



Terraprobe

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

**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
900 MISSISSAUGA HEIGHTS DRIVE,
MISSISSAUGA, ONTARIO**

Prepared for: **Norman Lee & Associates Ltd.**
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Attention: Mr. Norman Lee

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1.0 EXECUTIVE SUMMARY

Norman Lee & Associates Ltd. (herein denoted the “Client”) retained Terraprobe Inc. (Terraprobe), to complete a Phase One Environmental Site Assessment (ESA) of the property (“Phase One Property or Property”) located at 900 Mississauga Heights Drive, Mississauga, Ontario.

The Property is irregular in shape, with a total area of approximately 4.17 acres (1.69 hectares). The Property is currently developed with a residential dwelling including a driveway, a concrete bridge, an asphalt tennis court and landscaped areas. The Property is currently considered to be in Residential Land Use. It is understood that the Property will be redeveloped to include five (5) residential dwellings. Since the Property will not be changing to a more sensitive Land Use, a Record of Site Condition (RSC) is not required by the Ministry of Conservation and Parks (MECP). The Phase One ESA has been conducted to meet the Ontario Regulation 153/04 (O.Reg. 153/04) standards.

The Phase One ESA identified the following Potentially Contaminating Activity (PCA) and Area of Potential Environmental Concern (APEC) on the Property:

Area of Potential Environmental Concern	Location and Address of Potential Contaminating Activity	Potentially Contaminating Activity	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1: Central portion of the Property	On-Site	#55 – Transformer Manufacturing, Processing and Use	VOCs, PHCs, PCBs	Soil

VOCs – Volatile Organic Compounds

PHCs – Petroleum Hydrocarbons (F1-F4)

PCBs – Polychlorinated Biphenyls

Based on the findings of the Phase One ESA, a Phase Two ESA is recommended to investigate the APEC that has been identified on the Property. The APEC arising from current and historical PCAs found on the Property and within the Study Area may have resulted in impacts to the environmental condition of the Property.



2.0 INTRODUCTION

Norman Lee & Associates Ltd. (herein denoted the “Client”) retained Terraprobe Inc. (Terraprobe), to complete a Phase One Environmental Site Assessment (ESA) of the property (“Phase One Property or Property”) located at 900 Mississauga Heights Drive, Mississauga, Ontario.

The Property is irregular in shape, with a total area of approximately 4.17 acres (1.69 hectares). The Property is currently developed with a residential dwelling including a driveway, a concrete bridge, an asphalt tennis court and landscaped areas. The Property is currently considered to be in Residential Land Use. It is understood that the Property will be redeveloped to include five (5) residential dwellings. Since the Property will not be changing to a more sensitive Land Use, a Record of Site Condition (RSC) is not required by the Ministry of Conservation and Parks (MECP). The Phase One ESA has been conducted to meet the Ontario Regulation 153/04 (O.Reg. 153/04) standards.

The general location of the Property is presented on Figure 1, the layout of the Property and notable features are presented in Figure 2. A plan of survey of the Property is provided in Appendix D.

2.1 Phase One Property Information

The Property information is provided below:

Legal Description	Part Lots 1 & 2 Plan 342 Parts 1-3 43R-21696
PIN(s)	13359-0653 (LT)
Assessment Roll Number	21050601270700000000
Municipal Address	900 Mississauga Heights Drive, Mississauga, Ontario
Zoning	The Property is listed as Residential Land Use (Zone R1) under the City of Mississauga Zoning By-Law No. 0225-2007
Area	4.17 ha
Property Owner Information	Kai Chau
Persons, other than Property Owner, who engaged the Qualified Person to conduct the Phase One ESA	Norman Lee & Associates Ltd. engaged the Qualified Person to conduct the Phase One ESA.



3.0 SCOPE OF INVESTIGATION

3.1 Purpose of Investigation

The Phase One ESA was conducted to satisfy the intent of the requirements, methodology and practices for a Phase One ESA as described in Ontario Regulation 153/04, as amended (O.Reg. 153/04). The objectives of the Phase One ESA were as follows, per O.Reg. 153/04:

- To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One Property.
- To determine the need for a Phase Two ESA.
- To provide a basis for carrying out any Phase Two ESA, if required.
- To provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase One Property.

The Phase One ESA involved the following principal tasks:

- A review of records and reports regarding historical and current use 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.
- Evaluation of the information obtained and documentation of the results of the review.

Sampling and analysis of soil, ground water, or other materials (e.g. construction materials, air) were not conducted as part of Phase One ESA.

3.2 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 PCAs, water bodies, and areas of natural significance in the Phase One Study Area and the Property.
- Based on the above, to provide an assessment of actual and/or 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 Property including aerial photographs, topographic maps, historical maps and drawings.



- Property specific environmental reports and/or operating records (e.g., Certificates of Approval, waste generator registration, approvals, permits) provided to Terraprobe.
- Geological and hydrogeological information in published government maps reports and/or databases.
- Databases maintained by Risk Information Services (ERIS) containing environmentally related information from private, provincial, and federal sources.
- Available fire insurance plans and insurance inspection reports.
- Published Ontario MECP 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 (NHIC) database for information specific to natural areas, such as locations of environmentally sensitive areas.
- Published information regarding an Official Plan and zoning information for the area.
- Sensitivity mapping by the local Conservation Authority.
- Well head protection mapping by the local Conservation Authority.

3.3 Interviews

The objectives of the interview were:

- To identify Potentially Contaminating Activities (PCAs) and/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.
- Construction or renovation work conducted on the Property.

3.4 Site Reconnaissance

The objectives of the site reconnaissance were:

- To identify PCAs on the Property based on observations of current and past uses.



- To identify PCAs in the Study Area based on observations of current and past uses.
- To identify potential pathways for contamination migration at the Property and Study Area.

The site reconnaissance included a review and evaluation of PCAs, 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 on the Property.
- The presence of existing or former aboveground or underground fuel storage tanks on the Property.
- Identification of heating and cooling systems on the Property.
- The presence of floor cracks, hydraulic hoists, elevators, sumps and drains, wells, pits and lagoons on the Property.
- 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 on the Property.
- Evidence of stained or odorous soils and stressed vegetation on the Property.

In addition, an inspection of adjacent properties and the properties located within the Phase One Study Area was completed. The inspection of off-site properties was completed to identify PCAs which may cause an APEC to be identified for the Property. The inspection of off-site properties was limited to inspection from the Property boundaries and publicly accessible areas (roads, sidewalks, etc.).

3.5 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 past occupants and site uses.
- Description of PCAs.
- Description of APECs.
- Development of a Phase One Conceptual Site Model.



4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

As required under O.Reg. 153/04, the Phase One Study Area (Study Area) consisted of the area including the Phase One Property and any other properties that are located, wholly or partly, within 250 m from the nearest point on a boundary of the Phase One Property. Based on the geology, the historical development and land use on the Property and surrounding area, the Qualified Person determined that a 250 m radius around the Property was sufficient to identify PCAs that could potentially cause APECs on the Property. No additional properties outside the 250 m radius were included in the Study Area. The Phase One Study Area is shown on Figure 3.

4.1.2 First Developed Use Determination

The determination of first developed use was based on the review of aerial photographs, historical mapping, and property ownership records. The details and evaluation of the above noted information sources are provided in subsequent sections of this report.

Based on the evaluated information:

- Based on Aerial Photos the Property was undeveloped in 1954.
- The Property was developed for Residential use Prior to 1966.

The tables of Current and Past Land Uses of the Property are provided in Appendix A.

4.1.3 Fire Insurance Plans and Insurance Inspection Reports

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 was made for available fire insurance plans, insurance inspection reports, and/or site-specific plans for the Property.

No records of fire insurance plans or insurance inspection reports were found for the Property.

4.1.4 Chain of Title

A Chain of Title search for the Property dating back to 1868 was completed and is summarized below:

- The Property was owned by various individuals in 1868.
- The Property transferred to the current owners in 2012.

The Chain of Title is provided in Appendix H. The information is presented on the Table of Current and Past Land Uses in Appendix A.



4.1.5 City Directory Search

A city directory search for the Property and properties located within the Study Area was requested from ERIS on February 1, 2021. A response has not been received as of the date of this report. Terraprobe will issue an addendum should a city directory search provide information to alter the findings of the report.

4.1.6 Environmental Reports

No previous environmental reports were provided to Terraprobe for review.

4.2 Environmental Source Information

4.2.1 ERIS

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 ERIS databases was requested for the Property and Study Area. The ERIS Report is provided in Appendix H.

There were two (2) records found for the Property.

- Two (2) Water Well Information Systems.

There were Seventeen (17) records found for the Property within the Study Area (250m).

- One (1) Certificates of Approval.
- One (1) ERIS Historical Search.
- Four (4) Pipeline Incidents.
- Six (6) Ontario Spills.
- Five (5) Water Well Information Systems.

Unplottable reports were also provided within the ERIS report for the Study Area.

No PCAs were identified from the ERIS report.

4.2.2 Other Source Information

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

- Freedom of Information (FOI) request to the MECP. The FOI request determines if information regarding orders, investigations or other information are on file with respect to the Property.
- Technical Standards and Safety Authority (TSSA) was contacted in regard 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 K and are summarized below:

Information Request	Response
MECP FOI	A response from the MECP to the FOI request sent on February 22, 2021 has not been received as of the date of this report.
TSSA	Terraprobe reviewed the TSSA response received on February 3, 2021. There were no records of any fuel storage tanks for the Phase One Property or the Phase One Study Area.
Conservation Authority	A review of the Credit Valley Conservation Authority (CVC) Mapping indicates the site is within a CVC regulated area.
Zoning	The zoning by-law was reviewed. The Property is listed as Residential Land Use (Zone R1) under the City of Mississauga Zoning By-Law No. 0225-2007

4.3 Physical Setting Sources

4.3.1 Aerial Photographs and Historic Mapping

Aerial photographs, satellite imagery and historic maps were reviewed. Aerial photographs, satellite images and historic maps were selected based on available dates and scale to provide as much information as reasonably practical regarding the development of the Property and Study Area from first developed land use until the present development of the Property. The state of development of the Property and Study Area is summarized below:

Date	Source	Property	Study Area
1954	Aerial	The Property appears to be undeveloped/forested area.	The surrounding properties appear to be in agricultural land use or undeveloped with scattered residential dwellings. The Credit River lies to the south of the Property. There appears to be a golf course to the south of the Property.
1966	Aerial	A single residential dwelling appears to have been developed on the south portion of the Property.	There appears to be residential development on the lands to the east and west of the Property.
1977	Aerial	No significant changes.	Residential development continues in the east and west. A large residential subdivision has been developed on the lands to the north of the Property.



Date	Source	Property	Study Area
1989	Aerial	No significant changes.	Residential development continues on the lands to the north, east and west. No significant changes in the south.
1997	Aerial	No significant changes.	Residential development continues on the lands to the west of the Property. No significant changes in the north, east or south.
2004	Satellite Image	No significant changes.	Continued residential development on the lands to the west of the Property. No significant changes in the north east or south.
2007	Satellite Image	No significant changes	Residential development on the lands to the northwest of the Property. No significant changes in the east or south.
2009	Satellite Image	No significant changes	No significant changes
2016	Satellite Image	No significant changes	No significant changes
2019	Satellite Image	No significant changes	No significant changes

A selection of aerial photographs and historic maps are presented in Appendix E.

Based on the aerial photographs and satellite images reviewed, the following PCAs were identified on the Phase I Property and within the Study Area:

Location of PCA	PCA	Details
Phase One Study Area Approximately 100 m south of the Property	#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	Aerials: 1954 to present there appears to be a golf course on the adjacent property to the south
Phase One Study Area Approximately 150 m north of the Property	#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	Aerials: 1954 to 1966 there appears to agricultural land use on the properties to the north.

4.3.2 Topography Hydrology, Geology

A topographic map from the 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 I.



Topography	The approximate elevation of the Property is 107 masl. The Property slopes to the south.
Hydrogeology	The nearest water body is The Credit River which traverses east and northeast on lands approximately 60 m to the south of the Property. The approximate depth to ground water, based on Water Well Records in the local area is expected to be around 4.3 mbgl. Ground water and surface water is expected to flow to the southeast.
Geology (overburden)	The cover consists of clay and silt with minor sand and gravel derived from glaciolacustrine deposits
Geology (bedrock)	The bedrock on the site is of the Georgian Bay Formation, which is comprised of shale and limestone.
Geology (depth to bedrock)	The depth to bedrock in the Study Area is approximately 4 mbgl.

4.3.3 Fill Materials

Based on the construction of the buildings present on the Property, and the historic land use of the Property, it is unlikely that historic filling occurred on the Property.

4.3.4 Water Bodies, Wetlands and Areas of Natural Significance

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

Water Bodies (Property)	<ul style="list-style-type: none"> No water bodies were identified on the Property.
Water Bodies (Study Area)	<ul style="list-style-type: none"> The Credit River is located approximately 60 m south of the Property.
Wetland (Property)	<p><u>Provincially Significant</u></p> <ul style="list-style-type: none"> No Provincially Significant wetlands were present on the Property. <p><u>Non-Provincially Significant</u></p> <ul style="list-style-type: none"> No Non-Provincially Significant wetlands were present on the Property. <p><u>Unevaluated</u></p> <ul style="list-style-type: none"> No Unevaluated wetlands were present on the Property.
Wetland (Study Area)	<p><u>Provincially Significant</u></p> <ul style="list-style-type: none"> No Provincially Significant wetlands were present in the Study Area. <p><u>Non-Provincially Significant</u></p> <ul style="list-style-type: none"> No Non-Provincially Significant wetlands were present in the Study Area.



	<u>Unevaluated</u> <ul style="list-style-type: none"> No unevaluated wetlands were present in the Study Area.
ANSIs (Property)	<u>Provincially Significant Life Science ANSI</u> <ul style="list-style-type: none"> No Life Science ANSIs were identified on the Property. <u>Provincially Significant Earth Science ANSI</u> <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 on the Property.

4.3.5 Archaeological Resources or Areas of Archaeological Potential

The Property is not designated as of provincial heritage significance under the Ontario Heritage Act. No additional archaeological evaluation of the Property was conducted as part of the Phase One ESA.

4.3.6 Species at Risk

No science-based assessment of potential species at risk or species habitat was conducted as part of the Phase One ESA.

4.3.7 Well Records

The MECP well records database was searched through ERIS and through the MECP 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 J and summarized below:

Water Wells (Property)	<ul style="list-style-type: none"> Two (2) listings for unknown/other water wells were identified through the MECP online Water Well Database.
Water Wells (Study Area)	<ul style="list-style-type: none"> One (1) domestic water well was identified in the Study Area. Three (3) monitoring wells/monitoring test holes were identified in the Study Area. Six (6) not used/unknown/other water wells were identified in the Study Area.
Stratigraphy	<p>Soil stratigraphy was reported on The Property as follows:</p> <ul style="list-style-type: none"> 0.1 to 0.8 m – Earth Fill 0.8 to 3.0 m – Clayey Silt 3.0 to 4.6 m – Inferred Bedrock (Georgian Bay Formation)
Depth to Water Table	<ul style="list-style-type: none"> From a review of Water Well Records in the local area, the depth to the water table is likely 4.3 mbgl.



Depth to Bedrock	<ul style="list-style-type: none">• From a review of Water Well Records in the local area, the depth to bedrock is approximately 4 mbgl.
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4.4 Site Operating Records

No site operating records were provided for review.



5.0 INTERVIEWS

The following individuals with knowledge of the current or historic environmental condition of the Property where available for interview during the investigation.

Name	Jenny Chau
Employer	N/A
Position or Title	Property Owner
Duration of Employment	20-30 Years
Date	February 16, 2021
Location of Interview	N/A
Method of Interview	E-mail
Reason for Selection	Property Owner
Assessment of the Information	Factual
Current and Past Site Activities	<p><i>Are you aware of any individuals who may have additional knowledge of current activities at the Property? If so, please provide the names of those individuals, a description of their relationship to the property, and their contact information (if known).</i></p> <p>No</p> <p><i>Are you aware of any individuals with knowledge of previous property uses and activities? If so, please provide the names of those individuals, a description of their relationship to the Property, and their contact information (if known).</i></p> <p>No</p> <p><i>What are the current site activities? Please describe briefly, to the best of your knowledge, below.</i></p> <p>Residential</p> <p><i>How long has the site been used for its current purpose? How long has your company been at this location?</i></p> <p>The House was built around 1965. I have lived here over 20 years</p> <p><i>To your knowledge, has the site ever been used for:</i></p> <ul style="list-style-type: none"> • Industrial operations (list any if known) • On-site dry cleaning • Fuel distribution or storage • Vehicle servicing and/or maintenance <p>No</p> <p><i>Other than the activities listed above, what was the site previously used for? Please list all known uses, and approximate dates if known.</i></p> <p>Unknown</p>



<p>Items of Potential Environmental Concern</p>	<p><u>General</u></p> <p><i>Do site operations involve the storage and/or use of environmentally sensitive or hazardous products, such as paints, chemicals, fuels, oils and lubricants?</i></p> <p>No</p> <p><i>Are herbicides, pesticides, or other agricultural chemicals being used on the property?</i></p> <p>No</p> <p><i>Are there any underground structures, such as in-ground hoists, pits, storage tanks, or oil/water separators located on the Property?</i></p> <p>No</p> <p><i>Are you aware of any wells located on the Property?</i></p> <p>No</p> <p><u>Tanks</u></p> <p><i>Are you aware of any existing or previous underground (buried) or aboveground tanks on the Property?</i></p> <p>No</p> <p><i>Are you aware of any leaks or spills associated with any existing or previous tanks on the Property?</i></p> <p>No</p> <p><i>Is there any documentation on file regarding removal of underground or aboveground tanks and/or related soil and ground water remediation at the Property?</i></p> <p>Not applicable</p> <p><u>Polychlorinated Biphenyls (PCBs)</u></p> <p><i>Are you aware of any PCB-containing electrical equipment on the property such as electrical transformers, large capacitors and electric motors manufactured prior to 1980?</i></p> <p>Yes, there is a transformer for the electrical line</p> <p><i>Is the site a registered PCB storage facility?</i></p> <p>No</p> <p><i>Are you aware of any previous PCB leaks, spills or contamination on the Property?</i></p> <p>No</p> <p><i>Have there been any previous PCB surveys or removal of PCB-containing materials?</i></p> <p>No</p>
<p>Waste Generation and Emissions</p>	<p><i>Is the site registered as a waste generator with the MECP (registered on HWIN)?</i></p> <p>No</p> <p><i>Is any waste water produced at the site?</i></p> <ul style="list-style-type: none"> • <i>If yes, please answer the following:</i> • <i>Is analytical testing of waste water carried out?</i> • <i>Are you aware of any sewer-use by-law infractions?</i> • <i>Is there a surcharge agreement for discharge to the sewers?</i>



	<p>No</p> <p><i>Does the facility produce air emissions? If yes, please answer the following:</i></p> <ul style="list-style-type: none"> • <i>Does the facility have a Certificate of Approval (C of A) for air emissions?</i> • <i>Are air emissions from the site monitored?</i> • <i>Have any ventilation systems been installed to handle air emissions?</i> • <i>Have there been any reported air emission infractions?</i> <p>No</p>
Environmental Reports, Remediation and Public Agencies	<p><i>Have any previous environmental assessments or studies been completed for the Property with respect to soil, ground water, air quality, site facilities or processes?</i></p> <p>Yes, Geotechnical in 2018</p> <p><i>Has any soil or ground water remediation been completed at the Property?</i></p> <p>No</p> <p><i>Has any public agency (e.g., the MECP, local municipality, etc.) ever investigated or cited the Property for violation or possible violation of any environmental law, or commenced enforcement or cleanup action under environmental law with respect to the Property?</i></p> <p>No</p> <p><i>Has any public agency ever listed the Property as a site requiring or qualifying for cleanup under environmental law?</i></p> <p>No</p>
Miscellaneous	<p><i>Do you have any other information, comments or concerns related to the environmental quality of the Property?</i></p> <p>No</p>



6.0 SITE RECONNAISSANCE

6.1 General Requirements

Date of Investigation	February 11, 2021
Time of Investigation	10:00 am
Weather Conditions	Sunny, -8°C
Duration of Investigation	Approximately 2 hours
Was the Facility Operating? (only for enhanced investigation)	N/A
Person Conducting Investigation and Qualifications	Terra MacMillan, B.Eng.

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 presented on Figure 2, and site photographs are presented in Appendix F.

6.2.1 Building and Structure Descriptions

The following building or structures were located on the Property:

Building Component	Residence	Detached Garage	Pool House
Building Configuration	residential dwelling	garage	Storage/Pump house
Footprint	Not inspected	Not inspected	Not inspected
Height	1- storey	1- storey	1- storey
Roof	Asphalt shingles	Asphalt shingles	Not Inspected
Construction Date	1965		
Exterior Finish	Stucco/Wood	Stucco/Wood	Stone
Interior Walls	Drywall	Not inspected	Not inspected
Interior Floors	Ceramic/Granite Tile, Hardwood	Not inspected	Not inspected
Interior Ceilings	Drywall	Not inspected	Not inspected
Interior Lighting	Incandescent	Not inspected	Not inspected



Building Component	Residence	Detached Garage	Pool House
Building Entry and Exit Points	Varies	Varies	Varies
Heating Systems	Forced air – natural gas	None	None
Cooling Systems	A/C unit in rear of residence	None	None
Drains, Pits and Sumps	Not inspected	Not inspected	Not inspected
Unidentified Substances	Not identified	Not identified	Not identified
Staining and Corrosion	Not identified	Not identified	Not identified

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/absence of these materials is summarized below:

Asbestos	No construction materials containing asbestos were observed during the site inspection. However due to the date of construction of the buildings located on the Property it is likely that asbestos-containing materials are present.
Lead	No materials containing lead were observed during the site inspection.
Mercury	No materials containing mercury were observed during the site inspection.
PCBs	A pole-mounted electrical transformer is located on the Property.
Ozone Depleting Substances	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 man-made sources of radiation were observed during the site inspection.
Herbicides and Pesticides	No herbicides or pesticides were observed during the site inspection.

6.2.3 Below Ground Structures

It was reported by the Property Owner that the Property previously used a septic tank. The septic tank was removed approximately 10 years ago.

No other below ground structures were observed on the Property during the site inspection.

6.2.4 Aboveground Storage Tanks

No aboveground storage tanks were observed on the Property during the site inspection.

6.2.5 Underground Storage Tanks

No evidence of any underground storage tanks was observed on the Property.

6.2.6 Exterior Site Conditions

The Property is occupied by a single-storey residential dwelling, a detached garage, an in-ground pool, a tennis court and an asphalt driveway. There are some landscaped areas on the Property. The remainder of the property is forested area.

Additional details of the Property are provided below:

Water Sources	Municipal water is provided to the residence located on the Property.
Underground Utilities and Services	Municipal Water, Sanitary Sewage
Current and Former Wells	No monitoring wells were identified on the Property at the time of the investigation.
Sewage Works	Sewage is generated on the Property resulting from domestic uses (eg. Kitchens, bathrooms)
Railways	None
Stained and Odorous Soils	None



Stressed Vegetation	None
Fill Materials	Based on the historic use of the Property and the construction of the buildings located on the Property, there is no evidence to suggest that fill material was used.
Watercourses, Ditches or Standing Water	None
Air Emissions	None
Roads, Parking Facilities, and Right-of-Ways	The Property is bounded by Mississauga Heights Drive to the north of the Property. An asphalt driveway grants access to the residence and detached garage.
Waste Handling	Garbage and recyclables generated on the Property are collected by the Region of Peel waste collection.

6.3 Enhanced Investigation Property

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

6.4 Investigation of Phase One Study Area

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

Direction	Land Uses
North	Residential dwellings
East	Residential dwellings
South	Mississauga Golf and Country Club
West	Residential dwellings

6.5 Written Description of Investigation

The site reconnaissance included a walking tour of the Property conducted February 11, 2021, by Terra MacMillan B.Eng. The tour consisted of an inspection of the Property and all building and structures (if present). Written and photographic records regarding the condition of the Property were compiled.

6.6 Potentially Contaminating Activities

The following PCA was identified during the Site Reconnaissance.



Location of PCA	PCA	Details
Phase One Property	#55 – Transformer Manufacturing, Processing and Use	Site Reconnaissance: A pole mounted transformer was identified on the Property



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 current and past uses of the site are provided in Appendix A, in a form approved by the MECP under O. Reg. 153/04.

7.2 Potentially Contaminating Activities

The Phase One ESA identified the following potentially contaminating activities on the Property and within the Study Area. The locations of the PCAs are illustrated in Figure 5.

Location of PCA	PCA	APEC (YES/NO)	Details
Phase One Property Central portion of the Property	#55 – Transformer Manufacturing, Processing and Use	Yes	Site Reconnaissance: A pole mounted transformer was identified on the Property. The PCA has the potential to cause an APEC on the Property.
Phase One Study Area Approximately 100 m south of the Property	#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	No	Aerials: 1954 to present there appears to be a golf course on the adjacent property to the south The PCA is downgradient of the Property.
Phase One Study Area Approximately 150 m north of Property	#40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications.	No	Aerials: 1954 to 1966 there appears to agricultural land use on the properties to the north. The PCA is cross gradient of 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 Areas 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 Contaminants of Potential Concern (CoPC) associated with the PCA.
- The nature of those CoPCs 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 B.

The physical area of each APEC is illustrated on Figure 6. 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.

The Phase One ESA identified one (1) APEC on the Phase One Property:

Area of Potential Environmental Concern	Location and Address of Potential Contaminating Activity	Potentially Contaminating Activity	Contaminants of Potential Concern	Media Potentially Impacted
APEC 1: Central portion of the Property	On-Site	#55 – Transformer Manufacturing, Processing and Use	VOCs, PHCs, PCBs	Soil

VOCs – Volatile Organic Compounds

PHCs – Petroleum Hydrocarbons (F1-F4)

PCBs – Polychlorinated Biphenyls

7.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model is presented in Appendix C and includes Figures 1 through Figure 6.

7.5 Uncertainty or Absence of Information

A discussion and description of how any uncertainties or absence of information may affect the conclusion as to the presence of any Area of Potential Environmental Concern or the validity of the Phase One Conceptual Site Model, is provided in the table below:

Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Fire Insurance Plans.	Fire Insurance Plans, which include the Phase One Property, were not available as part of the investigation.	Based on the former and current land use, no anticipated effect upon the Phase One CSM.



Component	Uncertainty of Absence of Information	Effect on Phase One CSM
Chain of Title.	Chain of Title dating back to 1868 was obtained as part of the investigation. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM.
Environmental Reports.	All Environmental Reports, available to Terraprobe Inc., were reviewed as part of the investigation. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM.
Environmental Source Information.	Environmental Source Information was searched through Environmental Risk Information Services (ERIS). As such, there exists no known void or absence of information for this component.	No anticipated 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 anticipated effect upon the Phase One CSM.
Topography, Hydrogeology and Geology.	The Topography, Hydrogeology and Geology were evaluated through available resources from the MNRF as well as Water Well Records. As such, there exists no known void or absence of information for this component.	No anticipated 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 MNRF, local conservation authorities and the MECP. As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM.
Well Records.	Well Records through the summary provided by Environmental Risk Information Services (ERIS) as well as the MECP Water Well Information System (WWIS). As such, there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM.
Site Reconnaissance.	Limited access to the Phase One Property was provided during the Site Reconnaissance due to the Covid-19 Pandemic. However, based on available historical information, the QP believes there exists no known void or absence of information for this component.	No anticipated effect upon the Phase One CSM.



Component	Uncertainty of Absence of Information	Effect on 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 anticipated effect upon the Phase One CSM.

Based upon the information obtained, as noted above, it is the belief of the QP_{ESA} that there are no significant uncertainties or absence of information that would affect the conclusion as to the presence of an APEC or the validity of the Phase One Conceptual Site Model.



8.0 CONCLUSIONS

8.1 Phase Two ESA Required

The PCAs on the Property and in the Study Area were determined based upon the assessment of the information contained within Section 4.0 (Records Review), Section 5.0 (Interviews) and Section 6.0 (Site Reconnaissance) of this report.

One (1) Area of Potential Environmental Concern (APEC) was identified for the Phase One Property.

As such, a Phase Two Environmental Site Assessment would be required to investigate the Areas of Potential Environmental Concern for the Contaminants of Concern that have been identified on the Property.

8.2 Signatures

The Phase One Environmental Site Assessment has been completed under the direction and supervision of Baker Wohayeb, M.A.Sc., P.Eng, QP_{RA}. The report was reviewed by David Mably P. Eng. 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.

The Phase One Environmental Site Assessment was completed in accordance with Ontario Regulation 153/04 (Records of Site Condition–Part XV.1 of the Environmental Protection Act). The objectives and requirements set out in that Ontario Regulation 153/04, for a Phase One Environmental Site Assessment, were applied in carrying out this environmental site assessment and preparation of the report. The Phase One Environmental Site Assessment met the requirements set out in that Ontario Regulation 153/04.



Terra MacMillan, B.Eng.
Project Manager



David Mably, P. Eng. QP_{ESA}
Senior Environmental Engineer



9.0 REFERENCES

1. Armstrong, D.K. and Dodge, J.E.P. 2007. *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. 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.
4. Ontario Geological Survey 2011. *1:250,000 scale bedrock geology of Ontario*. Ontario Geological Survey. Miscellaneous Release---Data 126-Revision 1.
5. Ontario Geological Survey. 2010. *Surficial geology of Southern Ontario*. Ontario Geological Survey. Miscellaneous Release--Data 128-Revised.
6. Ontario Geological Survey. 2000. *Quaternary geology, seamless coverage of the Province of Ontario*. Ontario Geological Survey. Data Set 14---Revised.
7. Ontario Ministry of the Environment, Conservation and Parks, June 1991. *Waste Disposal Site Inventory*. ISBN 0-7729-8409-3.
8. Ontario Ministry of the Environment, Conservation and Parks. April 1995. *Ontario Inventory of PCB Storage Sites*. ISBN 1201-2904.
9. Credit Valley Conservation Authority (CVC). *Regulated Area Search*. Retrieved from: <https://cvc.ca/planning-permits/regulation-mapping/>



10.0 LIMITATIONS AND USE OF THE REPORT

This report was prepared for the exclusive use of Norman Lee & Associates Ltd. and is intended to provide an assessment of the environmental condition on the Phase One Property located at 900 Mississauga Heights Drive, 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 was 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 regarding the Phase One Property, 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 Property, 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.

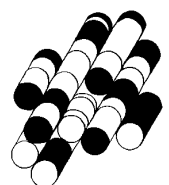
There is no warranty expressed or implied by this report regarding the environmental status of the Phase One Property. Professional judgement was exercised in gathering and analysing information collected by our staff, as well as that submitted by others. The conclusions presented are the product of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

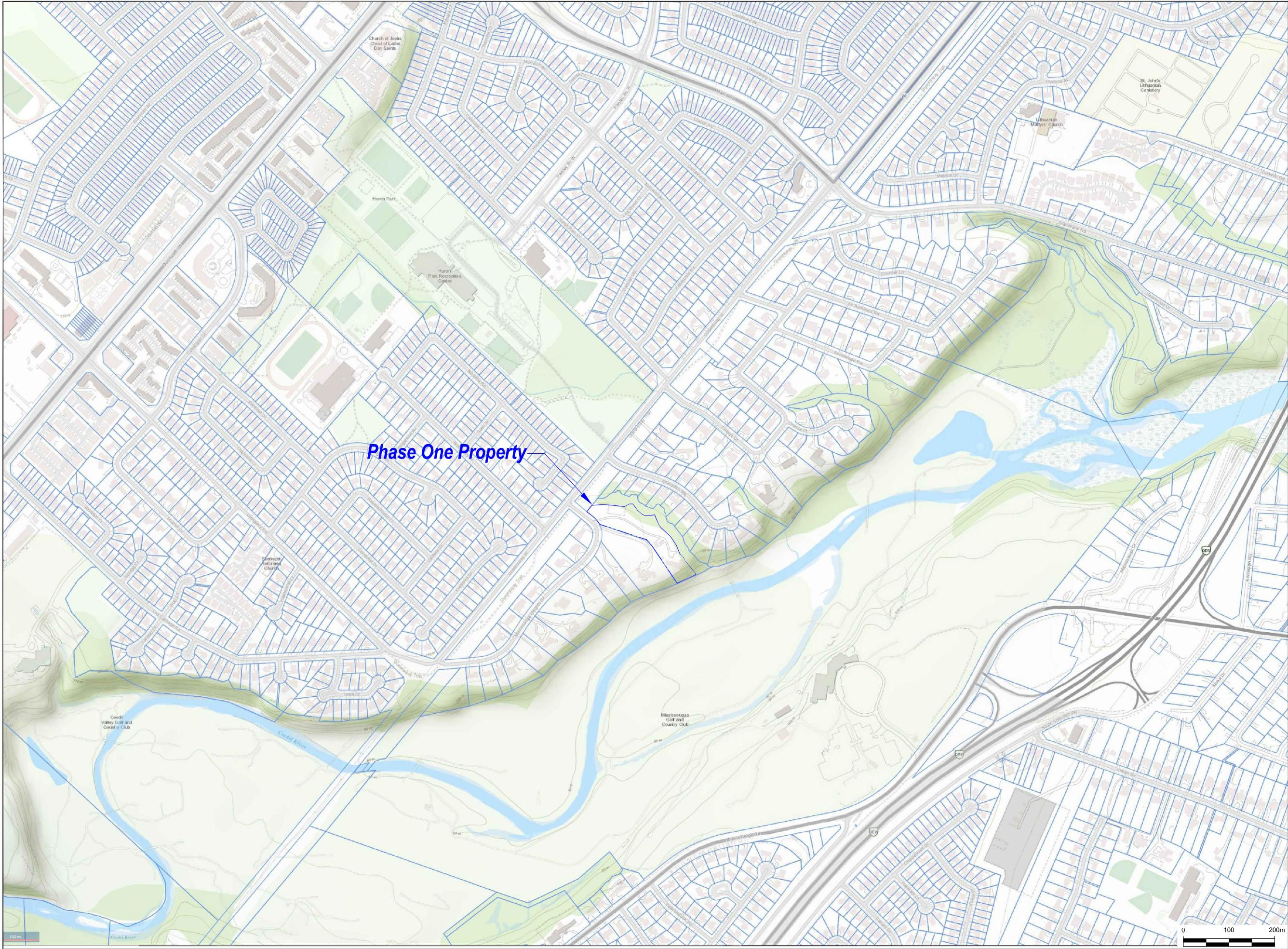
In the event that during future work new information regarding the environmental condition of the Phase One Property is encountered, or in the event that the outstanding responses from the regulatory agencies indicate outstanding issues on file with respect to the Phase One Property, Terraprobe Inc.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




FIGURES


TERRAPROBE INC.







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



Reference:

Mississauga Maps

Notes:

Legend:

Phase One Property Boundary

Project Title:

Phase One Environmental Site Assessment

Site Location:

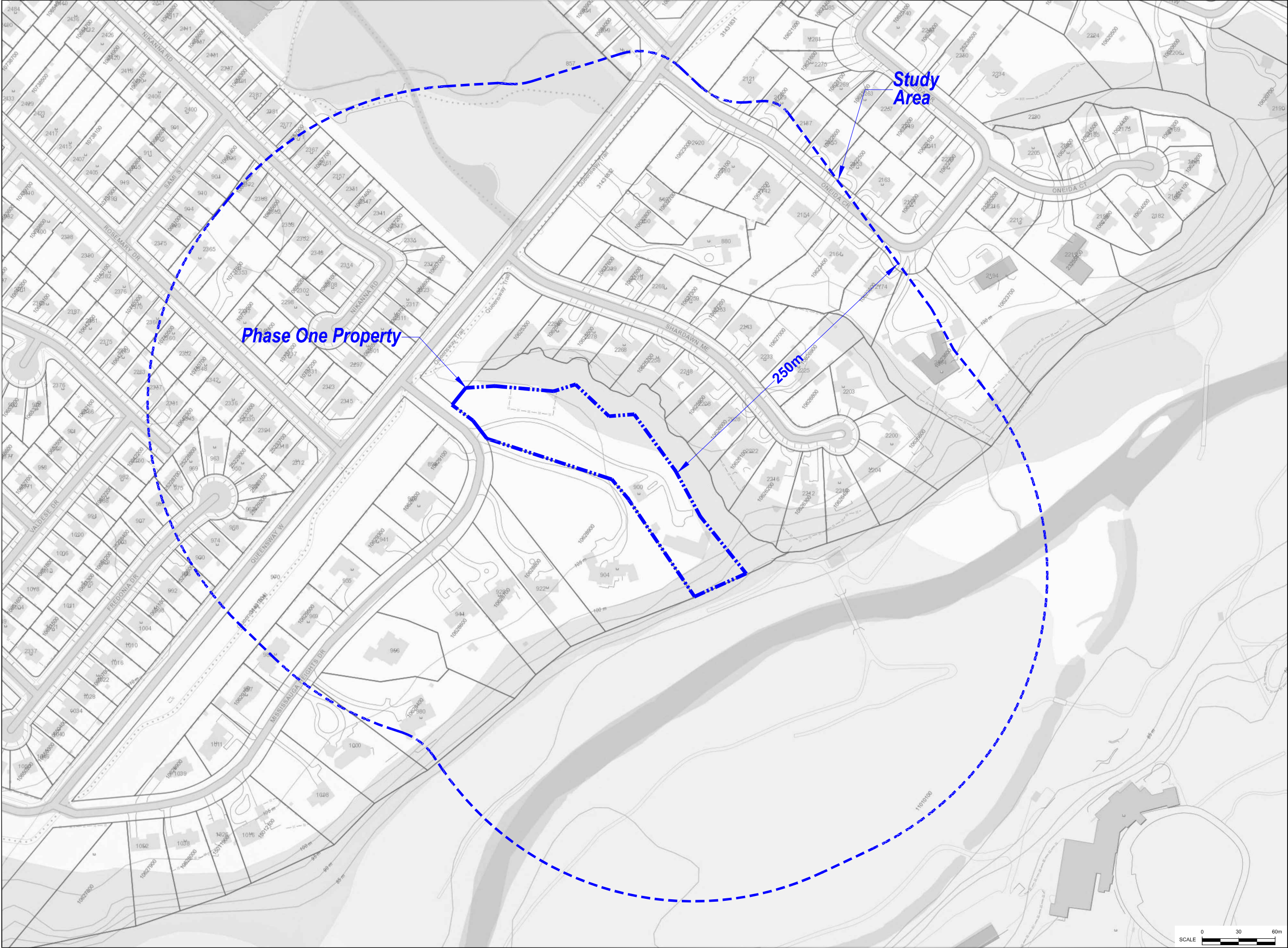
900 Mississauga Heights Drive,
Mississauga, Ontario


Figure Title:

PROPERTY LOCATION PLAN

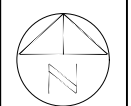
Designed By: TM	File No.: 1-18-0001-41
Drawn By: SSK	Scale: As Shown
Reviewed By: BW	Figure No.: 1
Date: February 2021	

Z:\1-Project Files\2018\1-18-0001 - 900 Mississauga Heights Dr. Mississauga\41-Phase One ESAA\Drawings\Logs\AuscAD\1-18-0001-41 Phase One Property.dwg, SSK





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Construction Materials, Inspection & Testing
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Reference:

Mississauga Maps

Notes:

Legend:

Phase One Property Boundary

Phase One Study Area, 250m

Project Title:

Phase One Environmental Site Assessment

Site Location:

900 Mississauga Heights Drive,
Mississauga, Ontario

Figure Title:

PHASE ONE STUDY AREA

Designed By:
TM

Drawn By:
SSK

Reviewed By:
BW


Date:
February 2021

File No.:
1-18-0001-41


Scale:
As Shown

Figure No.:
3





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Reference:

Mississauga Maps

Notes:

Legend:

Phase One Property Boundary

Phase One Study Area, 250m

Residential Land Use

Community Land Use (Roads)

Parkland Use

Project Title:

Phase One Environmental Site Assessment

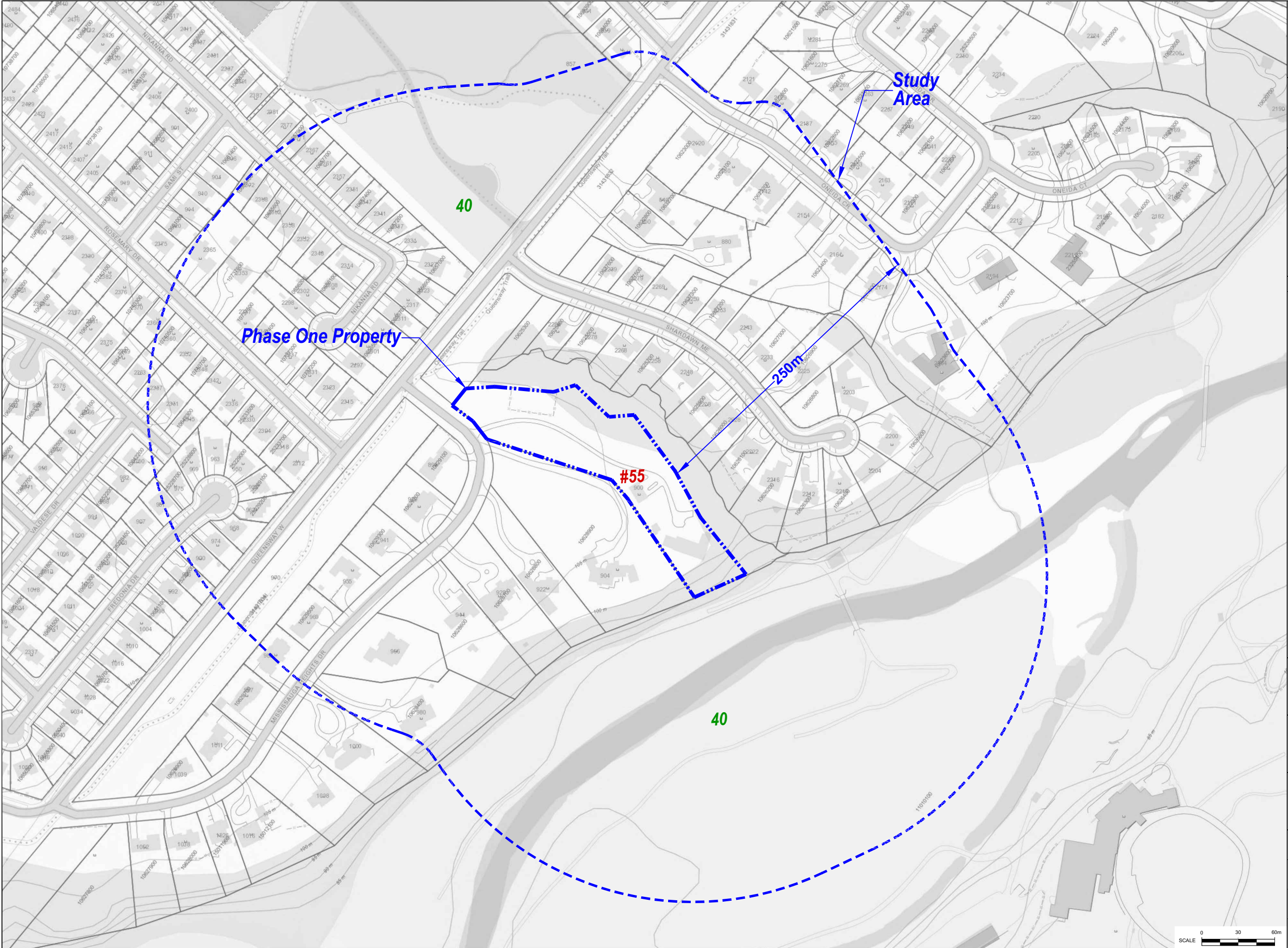
Site Location:


900 Mississauga Heights Drive,
Mississauga, Ontario

Figure Title:


ADJACENT PROPERTY LAND USES

Designed By: TM	File No.: 1-18-0001-41
Drawn By: SSK	Scale: As Shown
Reviewed By: BW	Figure No.: 4
Date: February 2021	





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



Reference:

Mississauga Maps

Notes:

Legend:

Phase One Property Boundary

Phase One Study Area, 250m

#40 Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications

#55 Transformer Manufacturing, Processing and Use

Project Title:

Phase One Environmental Site Assessment

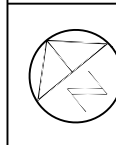
Site Location:

900 Mississauga Heights Drive,
Mississauga, Ontario

Figure Title:

PCA LOCATIONS

Designed By: TM	File No.: 1-18-0001-41
Drawn By: SSK	Scale: As Shown
Reviewed By: BW	Figure No.: 5
Date: February 2021	




Reference:
Plan of Survey of Part of Lots 1 and 2
Registered Plan 342, City of Mississauga
File No: 146-1-17
Date: May 1, 2018
By: David B. Searles Surveying Ltd


Notes:

The locations of utilities shown are approximations only, and cannot be relied upon and should not be considered as utility locates or clearances. Before excavation or drilling takes place proper public and private utility locates will have to be obtained.

Legend:

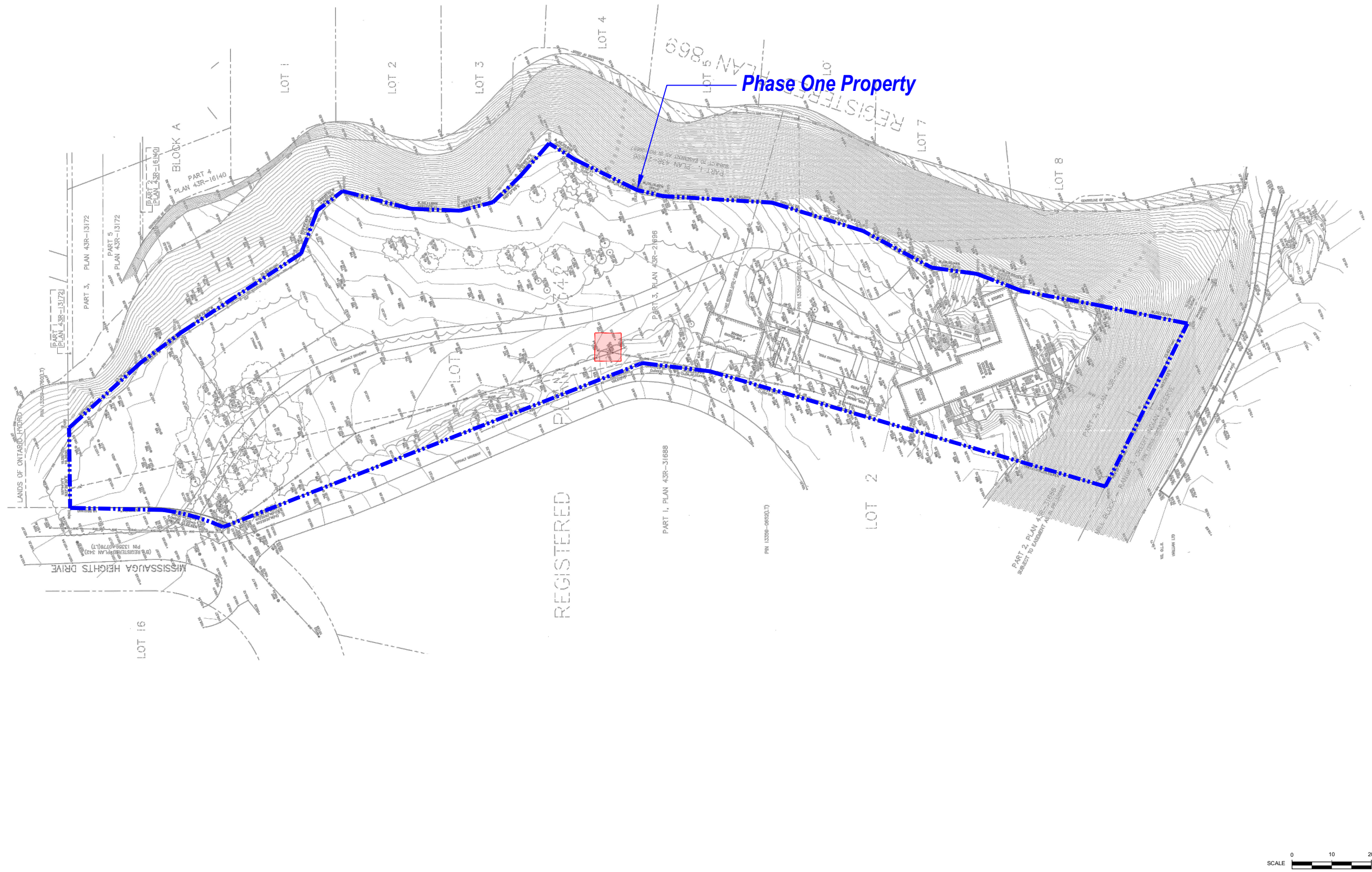


Phase One Property Boundary



APEC 1

Project Title: Phase One Environmental Site Assessment	
Site Location: 900 Mississauga Heights Drive, Mississauga, Ontario	
Figure Title: APEC LOCATIONS	
Designed By: TM	File No.: 1-18-0001-41
Drawn By: SSK	Scale: As Shown
Reviewed By: BW	Figure No.: 6
Date: February 2021	



APPENDIX A

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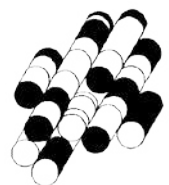


TABLE OF CURRENT AND PAST USES OF THE PHASE ONE PROPERTY

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

Project # 1-18-0001-41
Address: 900 Mississauga Heights Drive, Mississauga
Description: Part Lots 1&2 Plan 342 Parts 1-3 43R-21696
Pin #: 13359-0653 (LT)

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
2012 to Present	Kai Chau	Residential dwelling was developed between 1954 and 1966.	Residential Land Use	From 1966 Aerial Photos the Property has been developed for Residentail use
2011 to 2012	Jenny Chau & Kai Chau			
1996 to 2011	Jenny Chau			
1965 to 1994	Alexander Wandich & Stella Wandich			
1944 to 1965	Carol P. Hewson	Undeveloped Wooded Area	Agriculture and Other Land Use	From Aerial Photos the Property was undeveloped in 1954.
1932 to 1944	Cyril Capreol & John Capreol			
1928 to 1932	James L. Capreol			
1925 to 1928	Peel General Mfg. Co.			
1925 to 1925	Smith A. Conklin			
1869 to1925	Peel General Mfg. Co.			
1869 to 1869	Henry Fowler			
1968 to 1969	Thaddeus Van Valkenburgh			
Prior to 1868	Ira Van Valkenburgh			

Notes:
SI is satellite imagery
AP is aerial photograph
CD is city directory
FIP is fire insurance plan
HM is Historic Map
OBM is Ontario Base Map
For each owner, specify one of the following types of Property Use (as defined in O.Reg. 153/04) that applies:
Agriculture or Other, Commercial, Community, Industrial, Institutional, Parkland, Residential

APPENDIX B

TERRAPROBE INC.

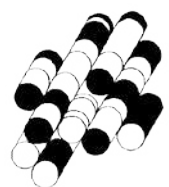


TABLE OF AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

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

Phase One Property: 900 Mississauga Heights Drive, Mississauga

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	Central portion of Property	#55 – Transformer Manufacturing, Processing and Use	On Site	VOCs, PHCs, PCBs	Soil

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	Metals
CPs	As, Sb, Se
1,4-Dioxane	Na
Dioxins/Furans, PCDDs/PCDFs	B-HWS
OCs	Cl-
PHCs	CN-
PCBs	Electrical Conductivity
PAHs	Cr (VI)
THMs	Hg
VOCs	Methyl Mercury
BTEX	Low or high pH,
Ca, Mg	SAR

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

APPENDIX C

TERRAPROBE INC.



PHASE ONE CONCEPTUAL SITE MODEL

900 Mississauga Heights Drive, Mississauga

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	<p>The Property is an irregular shaped parcel of land occupied by a residential dwelling including a detached garage, asphalt driveway and a tennis court. A topographic survey which included the Property was provided and has legal descriptions of:</p> <ul style="list-style-type: none"> Part Lots 1 & 2 Plan 342 Parts 1-3 43R-21696 <p>Under PIN# 13359-0653 (LT)</p>
ii. Identify and locate water bodies located in whole or in part on the Phase One Study Area	<p>No water bodies were identified on the Property. The nearest water body is the Credit River, which is located approximately 60 m south of the Property.</p> <p>All water bodies on the Phase One Property and in the Phase One Study Area are shown on Figure 1 (if any).</p>
iii. Identify and locate any Areas of Natural Significance located in whole or in part on the Phase One Study Area	<p>Terraprobe reviewed the Ontario Ministry of Natural Resources and Forestry (MNRF). No Provincially Significant Wetlands were identified within the Study Area.</p>
iv. Locate any drinking water wells at the Phase One Property	<p>No drinking water wells were identified on the Property.</p>
v. Show roads, including names, within the Phase One Study Area	<p>The Property is bounded by Mississauga Heights Drive to the north of the Property. Other roads and properties within the Study Area are presented on Figure 3.</p>
vi. Show use of properties adjacent to the Phase One Property	<p>The Land Uses of the adjacent properties are shown on Figure 4.</p>
vii. Identify and locate areas where any potentially contaminating activity has occurred, and show tanks in such areas	<p>Potentially Contaminating Activities (PCAs) located on the Property and within the Study Area are shown on Figure 5.</p>
viii. Identify and locate any areas of potential environmental concern	<p>One (1) Area of Potential Environmental Concern (APEC) and associated Contaminants of Potential Concern are described on the Table of Areas of Potential Environmental Concern.</p> <p>The location of the APEC on the Phase One Property is shown on Figure 6.</p>



Phase One CSM	Information Pertaining to Property
<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	900 Mississauga Heights Drive, Mississauga (Phase One Property) On-Site PCAs: <ul style="list-style-type: none"> • #55 – Transformer Manufacturing, Processing and Use Off-Site PCAs: <ul style="list-style-type: none"> • No Off-site PCAs were identified
ii. Any contaminants of potential concern	Potential Contaminants of Concern (PCoCs) identified the Property include: <ul style="list-style-type: none"> • VOCs in soil • PHCs in soil • PCBs in soil
iii. The potential for underground utilities, if any present, to affect contaminant distribution and transport	The water table is present approximately 4.3 mbgs and there is no known indication of any soil vapour issue. It is expected that utilities for buildings on adjacent properties would be at relatively shallow depths. As such, the potential for underground utilities to affect the horizontal distribution or transport of contaminants is considered to be low.
iv. Available regional or site specific geological and hydrogeological information	Topography <ul style="list-style-type: none"> • The OBM, Toporama, MNR and Google Earth maps were reviewed and it was identified that the approximate elevation of the Property is 107 masl and slopes toward the south. Hydrology and Hydrogeology <ul style="list-style-type: none"> • The nearest water body is the Credit River which traverses east and northeast on lands approximately 60 m south of the Property. The approximate depth to ground water, based on Water Well Records in the local area is expected to be around 4.3 mbgl. Ground water and surface water is expected to flow to the southeast according to Toporama Ontario Base Maps. Geology (overburden) <ul style="list-style-type: none"> • The cover consists of silt and clay with minor sand and gravel derived from glaciolacustrine deposits Geology (bedrock) <ul style="list-style-type: none"> • The bedrock on the site is of the Georgian Bay Formation, which is comprised of shale and limestone. Geology (depth to bedrock) <ul style="list-style-type: none"> • The depth to bedrock in the Study Area is approximately 4 mbgl.



Phase One CSM	Information Pertaining to Property
<p>v. How could any uncertainty or absence of information obtained in each of the components of the Phase One ESA affect the validity of the model</p>	<p>Based upon the information obtained, as noted above, it is the belief of the QP that there are no significant uncertainties or absence of information that would affect the conclusion as to the presence of an APEC or the validity of the Phase One Conceptual Site Model.</p>

Figures:

- Figure 1 – Phase One Property Location
- Figure 2 – Phase One Property
- Figure 3 – Phase One Study Area
- Figure 4 – Adjacent Property Land Uses
- Figure 5 – PCA Locations
- Figure 6 – APEC Locations



APPENDIX D

TERRAPROBE INC.

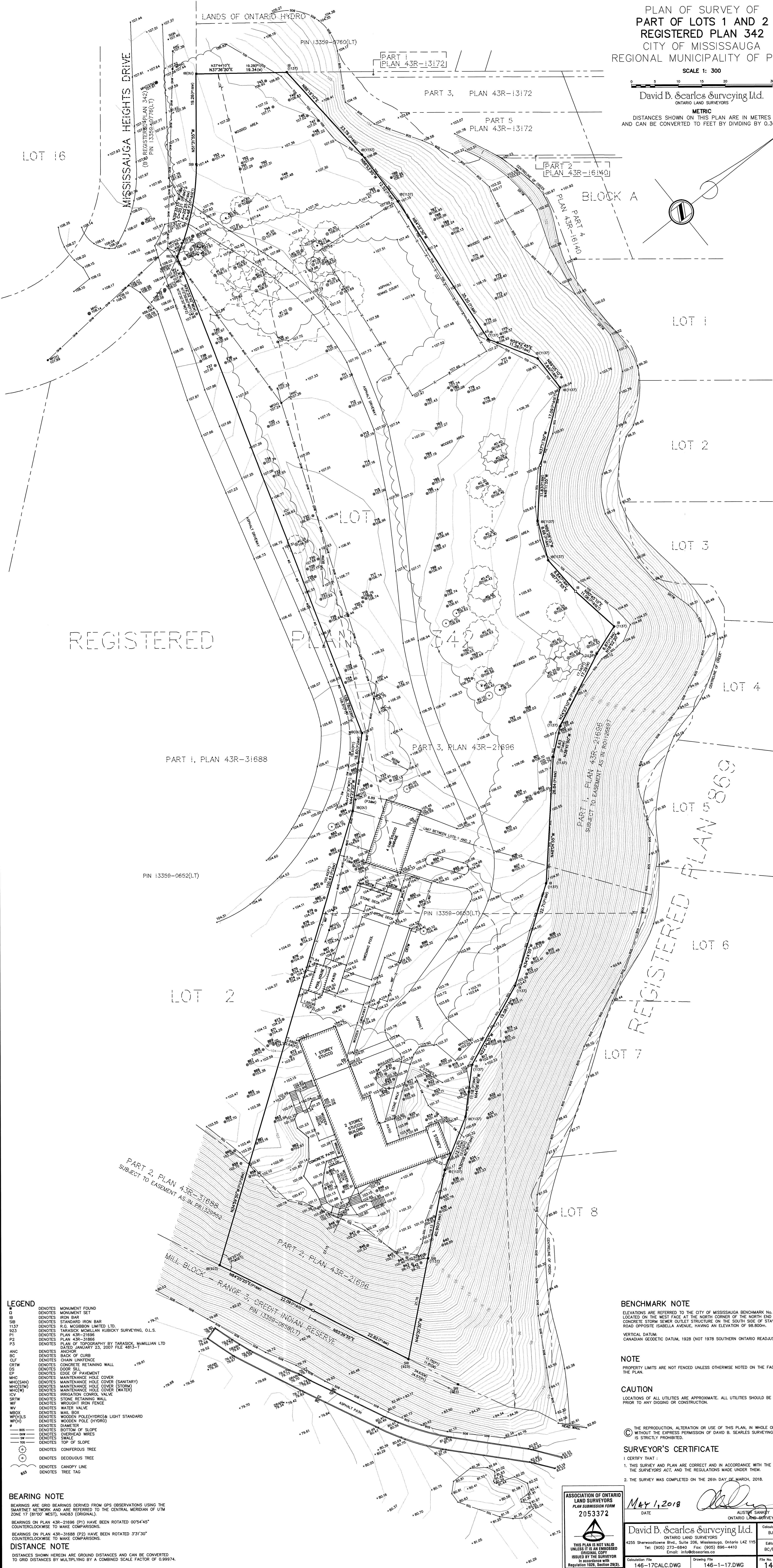
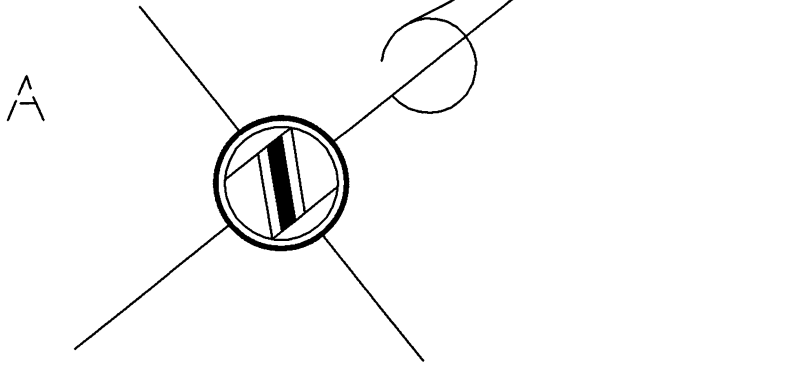


PLAN OF SURVEY OF
PART OF LOTS 1 AND 2
REGISTERED PLAN 342
CITY OF MISSISSAUGA
REGIONAL MUNICIPALITY OF PEEL

SCALE 1: 300

David B. Seales Surveying Ltd.
ONTARIO LAND SURVEYORS

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



- LEGEND**
- | | |
|----------|---|
| □ | DENOTES MONUMENT FOUND |
| SB | DENOTES MONUMENT SET |
| 1137 | DENOTES IRON BAR |
| 923 | DENOTES STANDARD IRON BAR |
| P1 | DENOTES R.G. MCCABON LIMITED LTD. |
| P2 | DENOTES TARASICK MCMILLAN KUBICKY SURVEYING, O.L.S. |
| P3 | DENOTES PLAN 43R-21696 |
| ANC | DENOTES PLAN 43R-31688 |
| BC | DENOTES PLAN OF TOPOGRAPHY BY TARASICK, MCMILLAN LTD. |
| CLF | DENOTES DATED JANUARY 23, 2007 FILE 4813-T |
| CRTW | DENOTES ANCHOR |
| DS | DENOTES BACK OF CURB |
| EP | DENOTES CHAIN LINK FENCE |
| MHC(SAN) | DENOTES CONCRETE RETAINING WALL |
| MHC(STM) | DENOTES DOOR SILL |
| MHC(W) | DENOTES EDGE OF PAVEMENT |
| ICV | DENOTES MAINTENANCE HOLE COVER (SANITARY) |
| SRTW | DENOTES MAINTENANCE HOLE COVER (STORM) |
| WF | DENOTES MAINTENANCE HOLE COVER (WATER) |
| WV | DENOTES IRRIGATION CONTROL VALVE |
| WV | DENOTES STONE RETAINING WALL |
| WV | DENOTES WROUGHT IRON FENCE |
| WV | DENOTES WATER VALVE |
| WV | DENOTES MAIL BOX |
| WP(H) | DENOTES WOODEN POLE(HYDRO)& LIGHT STANDARD |
| WP(H) | DENOTES WOODEN POLE (HYDRO) |
| WP(H) | DENOTES DIAMETER |
| WP(H) | DENOTES BOTTOM OF SLOPE |
| WP(H) | DENOTES OVERHEAD WIRES |
| WP(H) | DENOTES SWALE |
| WP(H) | DENOTES TOP OF SLOPE |
| WP(H) | DENOTES CONFEROUS TREE |
| WP(H) | DENOTES DECIDUOUS TREE |
| WP(H) | DENOTES CANOPY LINE |
| WP(H) | DENOTES TREE TAG |

BEARING NOTE
BEARINGS ARE GRID BEARINGS DERIVED FROM GPS OBSERVATIONS USING THE SMARTNET NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81°00' WEST). NAD83 (ORIGINAL).
BEARINGS ON PLAN 43R-21696 (P1) HAVE BEEN ROTATED 00°54'45" COUNTERCLOCKWISE TO MAKE COMPARISONS.
BEARINGS ON PLAN 43R-31688 (P2) HAVE BEEN ROTATED 3°31'30" COUNTERCLOCKWISE TO MAKE COMPARISONS.

DISTANCE NOTE
DISTANCES SHOWN HEREON ARE GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.99974.

BENCHMARK NOTE
ELEVATIONS ARE REFERRED TO THE CITY OF MISSISSAUGA BENCHMARK NO. 620, LOCATED ON THE WEST FACE AT THE NORTH CORNER OF THE NORTH END OF CONCRETE STORM SEWER OUTLET STRUCTURE ON THE SOUTH SIDE OF STAVEBANK ROAD OPPOSITE ISABELLA AVENUE, HAVING AN ELEVATION OF 98.800m.
VERTICAL DATUM:
CANADIAN GEODETIC DATUM, 1928 (NOT 1978 SOUTHERN ONTARIO READJUSTMENT)

NOTE
PROPERTY LIMITS ARE NOT FENCED UNLESS OTHERWISE NOTED ON THE FACE OF THE PLAN.

CAUTION
LOCATIONS OF ALL UTILITIES ARE APPROXIMATE. ALL UTILITIES SHOULD BE CONTACTED PRIOR TO ANY DIGGING OR CONSTRUCTION.

THE REPRODUCTION, ALTERATION OR USE OF THIS PLAN, IN WHOLE OR IN PART, WITHOUT THE EXPRESS PERMISSION OF DAVID B. SEALES SURVEYING LTD. IS STRICTLY PROHIBITED.

SURVEYOR'S CERTIFICATE

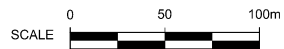
- I CERTIFY THAT:
- THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, AND THE REGULATIONS MADE UNDER THEM.
 - THE SURVEY WAS COMPLETED ON THE 26th DAY OF MARCH, 2018.

ASSOCIATION OF ONTARIO LAND SURVEYORS PLAN SUBMISSION FORM 2053372		DATE May 1, 2018		AUSTIN SANKOV ONTARIO LAND SURVEYOR	
		David B. Seales Surveying Ltd. ONTARIO LAND SURVEYORS 4255 Sherwoodtowne Blvd., Suite 206, Mississauga, Ontario L4Z 1Y5 Tel: (905) 273-6840 Fax: (905) 896-4410 Email: info@dbseales.ca		Calculator BJ	Draftsperson IV
THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR IN ACCORDANCE WITH REGULATION 1026, SECTION 29(3).		Calculation File 146-17CALC.DWG	Drawing File 146-117.DWG	Editor BC/BJ	Plan Index No. Q 17
		File No. 146-1-17			

APPENDIX E

TERRAPROBE INC.





Terraprobe

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

Title:

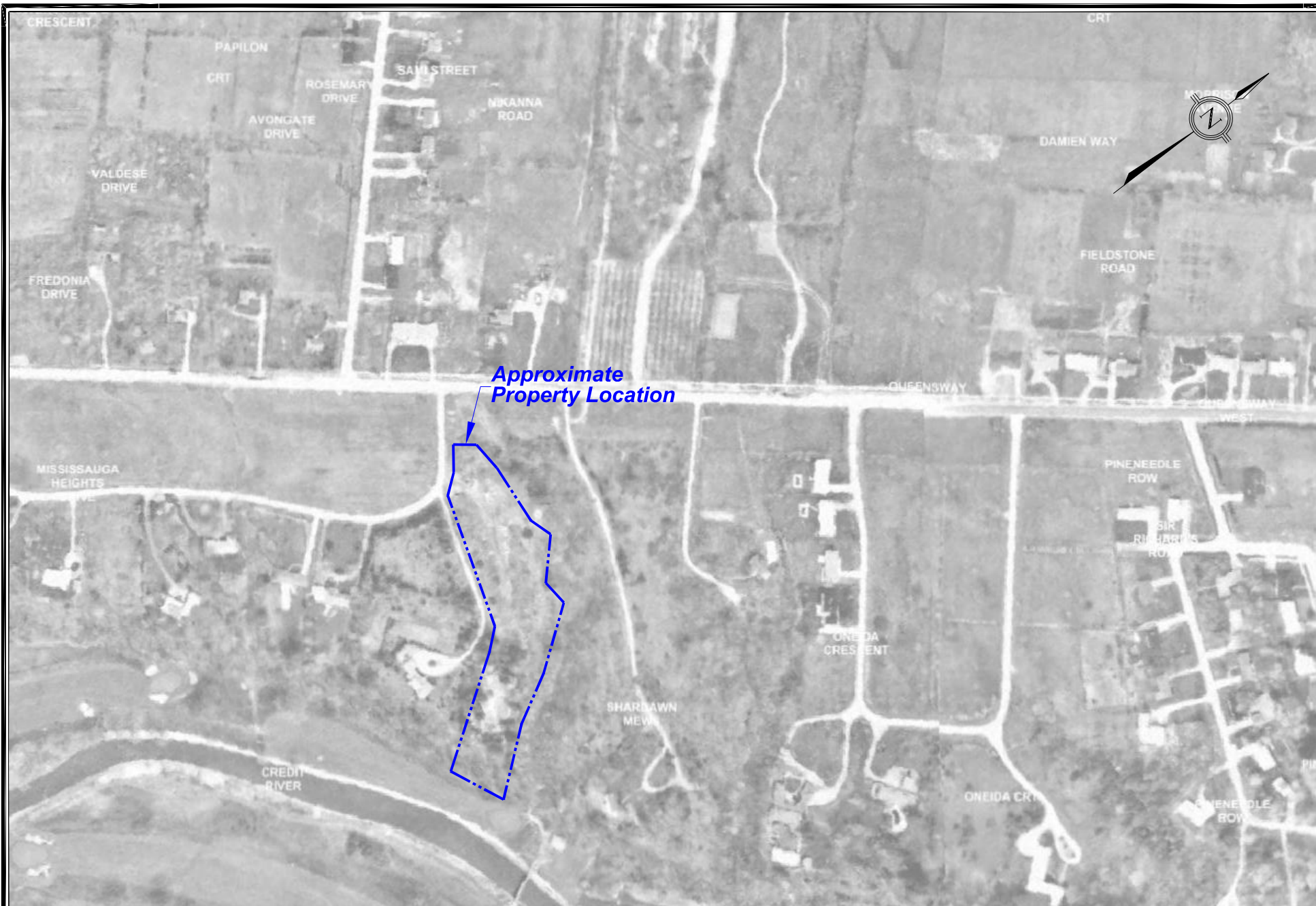
AERIAL PHOTOGRAPH

File No.

1-18-0001-41

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.

1-18-0001-41

YEAR :

1966



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.

1-18-0001-41

YEAR :

1977



Approximate
Property Location

SCALE 0 50 100m



Terraprobe

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

Title:

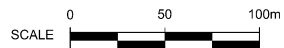
AERIAL PHOTOGRAPH

File No.

1-18-0001-41

YEAR:

1989



Terraprobe

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

Title:

AERIAL PHOTOGRAPH

File No.

1-18-0001-41

YEAR :

1997



SCALE 0 50 100m



Terraprobe

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

Title:

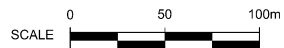
AERIAL PHOTOGRAPH

File No.

1-18-0001-41

YEAR :

2004



Terraprobe

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

Title:

AERIAL PHOTOGRAPH

File No.

1-18-0001-41

YEAR:

2007



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.

1-18-0001-41

YEAR:

2009



SCALE 0 50 100m



Terraprobe

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

Title:

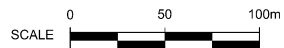
AERIAL PHOTOGRAPH

File No.

1-18-0001-41

YEAR :

2016



Terraprobe

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

Title:

AERIAL PHOTOGRAPH

File No.

1-18-0001-41

YEAR:

2019

APPENDIX F

TERRAPROBE INC.





Photograph 1

Location: Phase One Property (900 Mississauga Heights Drive)
Viewing: Southwest
Description: Viewing the residential dwelling on the south portion of the Property



Photograph 2

Location: Phase One Property (900 Mississauga Heights Drive)
Viewing: West
Description: Viewing the Detached garage located in the centre of the Property



Photograph 3

Location: Phase One Property (900 Mississauga Heights Drive)
Viewing: South
Description: Viewing southern property boundary with Mississauga Golf and Country Club beyond.





Photograph 4

Location: Phase One Property (900 Mississauga Heights Drive)
Viewing: East
Description: Viewing the eastern property boundary and residential dwellings beyond



Photograph 5

Location: Phase One Study Area
Viewing: Northwest
Description: Viewing the Adjacent Residential Property to the northwest



Photograph 6

Location: Phase One Property (900 Mississauga Heights Drive)
Viewing: Northwest
Description: Viewing the pole mounted transformer located on the centre of the Property.



APPENDIX G

TERRAPROBE INC.



CHAIN OF TITLE REPORT

Project #: 1-18-0001-41
Address: 900 Mississauga Heights Drive, Mississauga
Legal Description: Part Lots 1 & 2 Plan 342
Parts 1-3 43R-21696

PIN #: 13359-0653 (LT)

Searched at: Brampton
LRO #: 43

Page 1

No Records Found Prior to 1868

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
154	Deed	17 12 1868	Ira Van Valkenburgh	Thaddeus VAN VALKENBURGH
322	Deed	23 07 1869	Thaddeus Van Valkenburgh	Henry FOWLER
353	Deed	23 09 1869	Henry Fowler	Peel General Mfg. Co.
26681	Deed	30 09 1925	Peel General Mfg. Co.	Smith A. CONKLIN
26680	Mortgage	30 09 1925	Smith A. Conklin	Peel General Mfg. Co. (Mortgagee)
30142	Assign's Mtg #26680	11 04 1928	Peel General Mfg. Co.	James L. CAPREOL
34640	Assign's Mtg #26680	30 05 1932	James L. Capreol	Cyril CAPREOL & John CAPREOL
44620	Deed (Power of Sale)	11 09 1944	Alfred R. Capreol exor for Smith A. Conklin - Estate (Defaulted in Mtg 26880)	Carol P. HEWSON
182610	Deed	09 07 1965	Carol P. Hewson	Alexander WANDICH & Stella WANDICH

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 1-18-0001-41
Address: 900 Mississauga Heights Drive, Mississauga
Legal Part Lots 1 & 2 Plan 342
Description: Parts 1-3 43R-21696

PIN #: 13359-0653 (LT)

Searched at: Brampton
LRO #: 43

No Records Found Prior to 1868

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
RO1068962	Deed	27 06 1994	Alexander Wandich & Stella Wandich	Jenny CHAU
RO1126697	Easement	22 10 1996	Jenny Chau	The Corporation of The City of Mississauga
PR2030280	Deed	30 06 2011	Jenny Chau	Jenny CHAU & Kai CHAU
PR2313020	Deed (Present Owner)	20 12 2012	Jenny Chau & Kai Chau	Kai CHAU

PROPERTY DESCRIPTION: PT LT 1 PL 342 TORONTO; PT LT 2 PL 342 TORONTO PTS 1, 2 & 3, 43R21696 ; S/T RO1126697; CITY OF MISSISSAUGA

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

RE-ENTRY FROM 13359-1808

PIN CREATION DATE:

1999/03/25

OWNERS' NAMES

CHAU, KAI

CAPACITY SHARE

ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
<div><div>**EFFECTIVE 2000/07/29</div><div>THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/06/24 ON THIS PIN**</div><div>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/03/25**</div><div>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/03/25 **</div><div>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</div><div>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *</div><div>** AND ESCHEATS OR FORFEITURE TO THE CROWN.</div><div>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF</div><div>** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY</div><div>** CONVENTION.</div><div>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</div><div>**DATE OF CONVERSION TO LAND TITLES: 1999/03/26 **</div></div>						
RO1068962	1994/06/27	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	CHAU, JENNY	
RO1068963	1994/06/27	CHARGE		*** COMPLETELY DELETED ***	THE TORONTO DOMINION BANK	
RO1105152	1995/12/15	CHARGE		*** COMPLETELY DELETED ***	THE TORONTO-DOMINION BANK	
43R21696	1996/07/04	PLAN REFERENCE				C
RO1126697	1996/10/22	TRANSFER EASEMENT			THE CORPORATION OF THE CITY OF MISSISSAUGA	C
RO1126699	1996/10/22	POSTPONEMENT		*** COMPLETELY DELETED ***		
REMARKS: RO1105152, RO1126697						

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

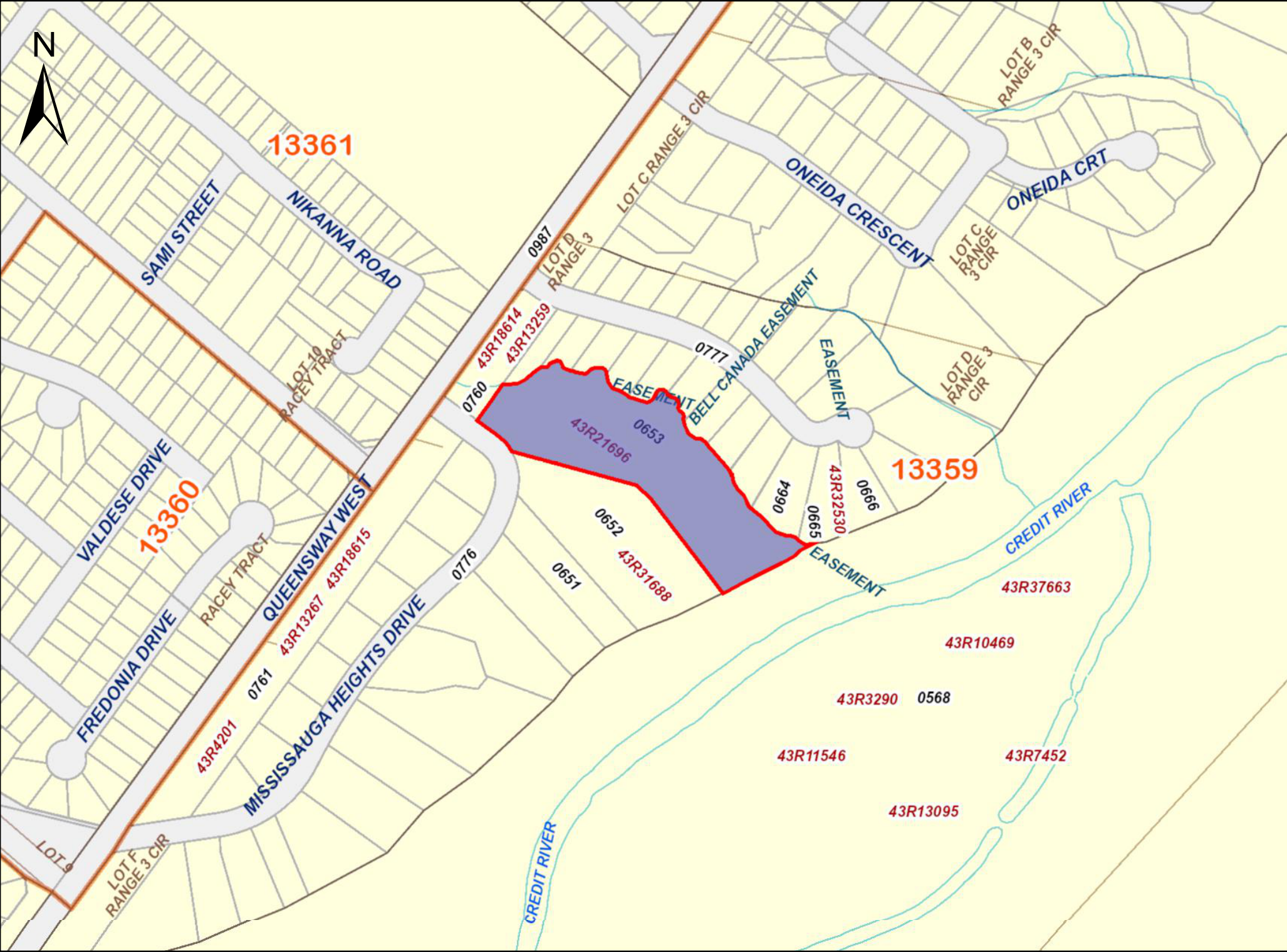
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
RO1126700	1996/10/22	POSTPONEMENT		*** COMPLETELY DELETED ***		
	REMARKS: RO1068963, RO1126697					
RO1173896	1998/07/17	CHARGE		*** DELETED AGAINST THIS PROPERTY *** CHAU, JENNY	THE TORONTO-DOMINION BANK	
PR346775	2002/11/14	CHARGE		*** COMPLETELY DELETED *** CHAU, JENNY	THE TORONTO-DOMINION BANK	
PR366769	2002/12/19	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
	REMARKS: RE: RO1105152					
PR366773	2002/12/19	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
	REMARKS: RE: RO1173896					
PR1148979	2006/10/05	CHARGE		*** COMPLETELY DELETED *** CHAU, JENNY	THE TORONTO-DOMINION BANK	
PR1165834	2006/11/07	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO DOMINION BANK		
	REMARKS: RE: RO1068963					
PR1171841	2006/11/21	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
	REMARKS: RE: PR346775					
PR2030280	2011/06/30	TRANSFER		*** COMPLETELY DELETED *** CHAU, JENNY	CHAU, JENNY CHAU, KAI	
PR2045226	2011/07/28	CHARGE		*** COMPLETELY DELETED *** CHAU, JENNY CHAU, KAI	THE TORONTO-DOMINION BANK	
PR2313020	2012/12/20	TRANSFER	\$2	CHAU, JENNY CHAU, KAI	CHAU, KAI	C
PR2324490	2013/01/23	CHARGE		*** COMPLETELY DELETED *** CHAU, KAI	THE TORONTO-DOMINION BANK	

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.

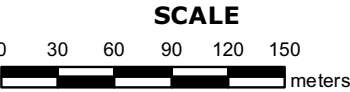
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
PR2332197	2013/02/11	DISCH OF CHARGE	\$4,500,000	*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK	THE TORONTO-DOMINION BANK	C
REMARKS: PR2045226.						
PR2332212	2013/02/11	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
REMARKS: PR1148979.						
PR2370604	2013/05/17	CHARGE		*** COMPLETELY DELETED *** CHAU, KAI		
PR3203592	2017/09/19	CHARGE		CHAU, KAI	NATIONAL BANK OF CANADA	
PR3217195	2017/10/12	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
REMARKS: PR2370604.						
PR3217206	2017/10/12	DISCH OF CHARGE		*** COMPLETELY DELETED *** THE TORONTO-DOMINION BANK		
REMARKS: PR2324490.						

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



PRINTED ON 14 FEB, 2021 AT 14:56:02
FOR BERTUCCI



PROPERTY INDEX MAP
PEEL(No. 43)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE
RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT
REFERENCE PLANS ARE NOT ILLUSTRATED



APPENDIX H

TERRAPROBE INC.





DATABASE **REPORT**

Project Property:	<i>900 Mississauga Heights Drive 900 Mississauga Heights Drive Mississauga ON L5C 1A6</i>
Project No:	<i>1-18-0001-41</i>
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>21012700402</i>
Requested by:	<i>Terraprobe Ltd.</i>
Date Completed:	<i>February 1, 2021</i>

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Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: 900 Mississauga Heights Drive
900 Mississauga Heights Drive Mississauga ON L5C 1A6

Project No: 1-18-0001-41

Order Information:

Order No: 21012700402
Date Requested: January 27, 2021
Requested by: Terraprobe Ltd.
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	4	4
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	6	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	5	7
Total:			2	17	19

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		ON Well ID: 7316566	WSW/0.0	0.34	15
1	WWIS		ON Well ID: 7308419	WSW/0.0	0.34	15

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SPL	The Regional Municipality of Peel	Shardon Mews Mississauga ON	NE/44.3	0.87	16
3	EHS		n/a Mississauga ON	NW/53.3	7.01	17
4	WWIS		904 MISSISSAUGA HEIGHTS lot 2 MISSISSAUGA ON Well ID: 7052831	SW/64.7	2.17	17
5	SPL		2206 Shardawn Mews SHARDAWN MEWS PUMP STATION<UNOFFICIAL> Mississauga ON L5C 1W5	E/70.8	-0.39	19
5	SPL		2206 Shardawn Mews Mississauga ON NA	E/70.8	-0.39	19
5	SPL	The Regional Municipality of Peel	2206 Shardawn Mews Mississauga ON NA	E/70.8	-0.39	20
5	SPL	The Regional Municipality of Peel	2206 Shardawn Mews Mississauga ON	E/70.8	-0.39	20
6	CA	R.M. OF PEEL - LOT D, RANGE 3	SHARDAWN MEWS/QUEENSWAY WEST MISSISSAUGA CITY ON	NW/82.6	5.81	21
7	WWIS		2206 SHARDAWN MEWS Mississauga ON Well ID: 7290954	E/90.9	0.10	21
8	WWIS		715 QUEENSWAY WEST lot 11 Mississauga ON Well ID: 7108880	ENE/104.1	-0.33	24
9	PINC		2200 Shardawn Mews, Mississauga ON	E/120.3	0.06	27
10	WWIS		2312 ROSEMARY DR lot 9 MISSISSAUGA ON	W/130.4	7.05	27

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7042476			
<u>11</u>	PINC	PIPELINE HIT 1/2"	944 MISSISSAUGA HEIGHTS DRIVE,, MISSISSAUGA,ON,L5C 1A9,CA ON	WSW/137.4	2.36	<u>29</u>
<u>12</u>	PINC	PIPELINE HIT 3/8"	2302 NIKANNA RD,,MISSISSAUGA,ON, L5C 2W7,CA ON	WNW/143.8	10.07	<u>29</u>
<u>13</u>	SPL	Enbridge Gas Distribution Inc.	2358 Nikanna Road Mississauga ON	WNW/184.8	10.60	<u>30</u>
<u>14</u>	PINC	PIPELINE HIT - 1/2"	2358 NIKANNA RD,,MISSISSAUGA,ON, L5C 2W7,CA ON	WNW/184.8	10.60	<u>30</u>
<u>15</u>	WWIS		980 MISSISSAUGA ROAD MISSISSAUGA ON Well ID: 7213890	SW/230.1	2.40	<u>31</u>

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 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 - LOT D, RANGE 3	SHARDAWN MEWS/QUEENSWAY WEST MISSISSAUGA CITY ON	82.6	<u>6</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2020 has found that there are 1 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>
	n/a Mississauga ON	53.3	<u>3</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 4 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>
	2200 Shardown Mews, Mississauga ON	120.3	<u>9</u>
PIPELINE HIT 1/2"	944 MISSISSAUGA HEIGHTS DRIVE,, MISSISSAUGA,ON,L5C 1A9,CA ON	137.4	<u>11</u>
PIPELINE HIT 3/8"	2302 NIKANNA RD,,MISSISSAUGA,ON,L5C 2W7,CA ON	143.8	<u>12</u>
PIPELINE HIT - 1/2"	2358 NIKANNA RD,,MISSISSAUGA,ON,L5C 2W7,CA ON	184.8	<u>14</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
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SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

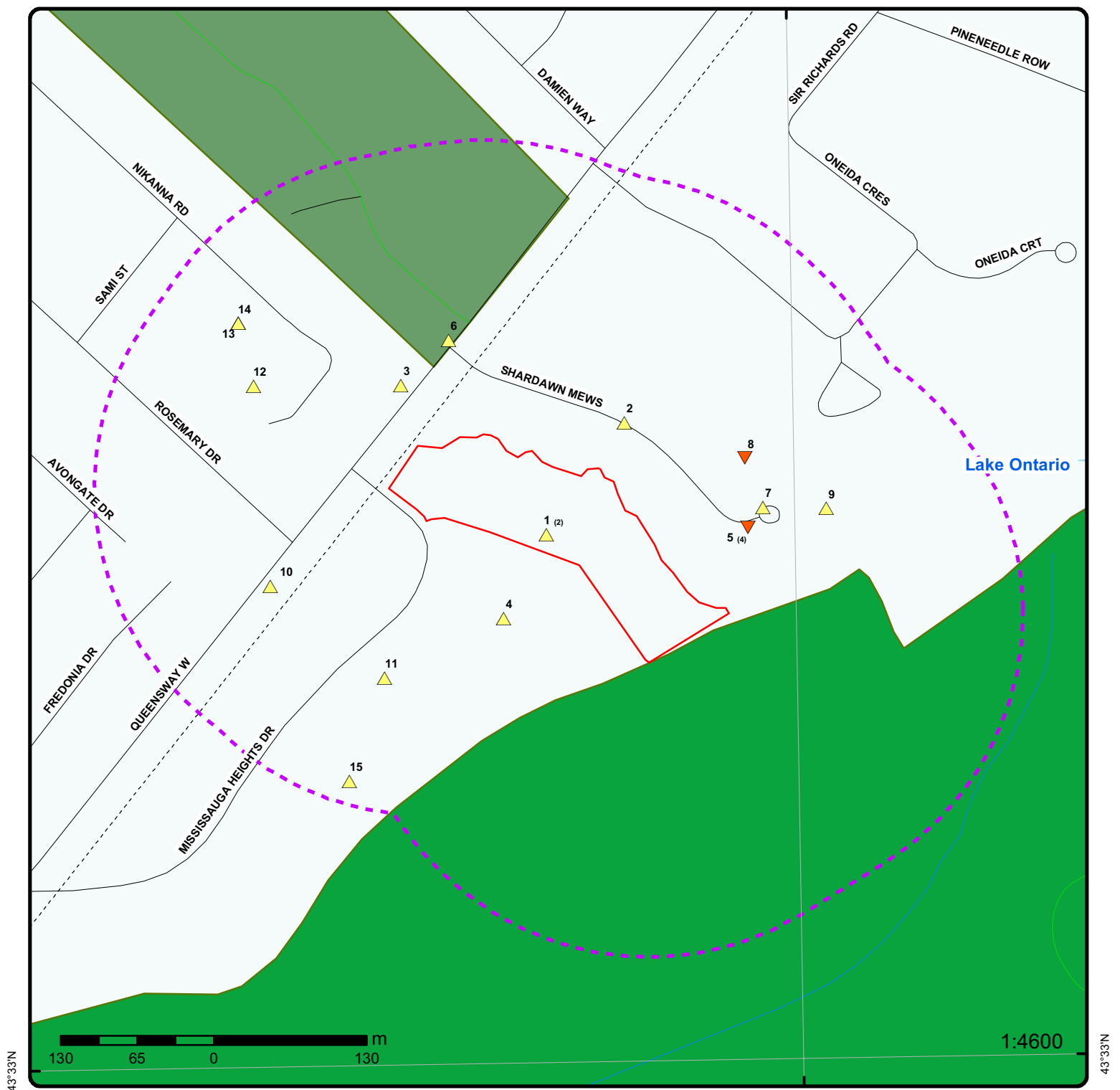
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Regional Municipality of Peel	Shardon Mews Mississauga ON	44.3	<u>2</u>
The Regional Municipality of Peel	2206 Shardawn Mews Mississauga ON	70.8	<u>5</u>
	2206 Shardawn Mews Mississauga ON NA	70.8	<u>5</u>
The Regional Municipality of Peel	2206 Shardawn Mews Mississauga ON NA	70.8	<u>5</u>
	2206 Shardawn Mews SHARDAWN MEWS PUMP STATION<UNOFFICIAL> Mississauga ON L5C 1W5	70.8	<u>5</u>
Enbridge Gas Distribution Inc.	2358 Nikanna Road Mississauga ON	184.8	<u>13</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 7 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>
	ON	0.0	<u>1</u>
	Well ID: 7316566		
	ON	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Well ID: 7308419		
	904 MISSISSAUGA HEIGHTS lot 2 MISSISSAUGA ON	64.7	<u>4</u>
	Well ID: 7052831		
	2206 SHARDAWN MEWS Mississauga ON	90.9	<u>7</u>
	Well ID: 7290954		
	715 QUEENSWAY WEST lot 11 Mississauga ON	104.1	<u>8</u>
	Well ID: 7108880		
	2312 ROSEMARY DR lot 9 MISSISSAUGA ON	130.4	<u>10</u>
	Well ID: 7042476		
	980 MISSISSAUGA ROAD MISSISSAUGA ON	230.1	<u>15</u>
	Well ID: 7213890		



Map : 0.25 Kilometer Radius

Order Number: 21012700402

Address: 900 Mississauga Heights Drive, Mississauga, ON

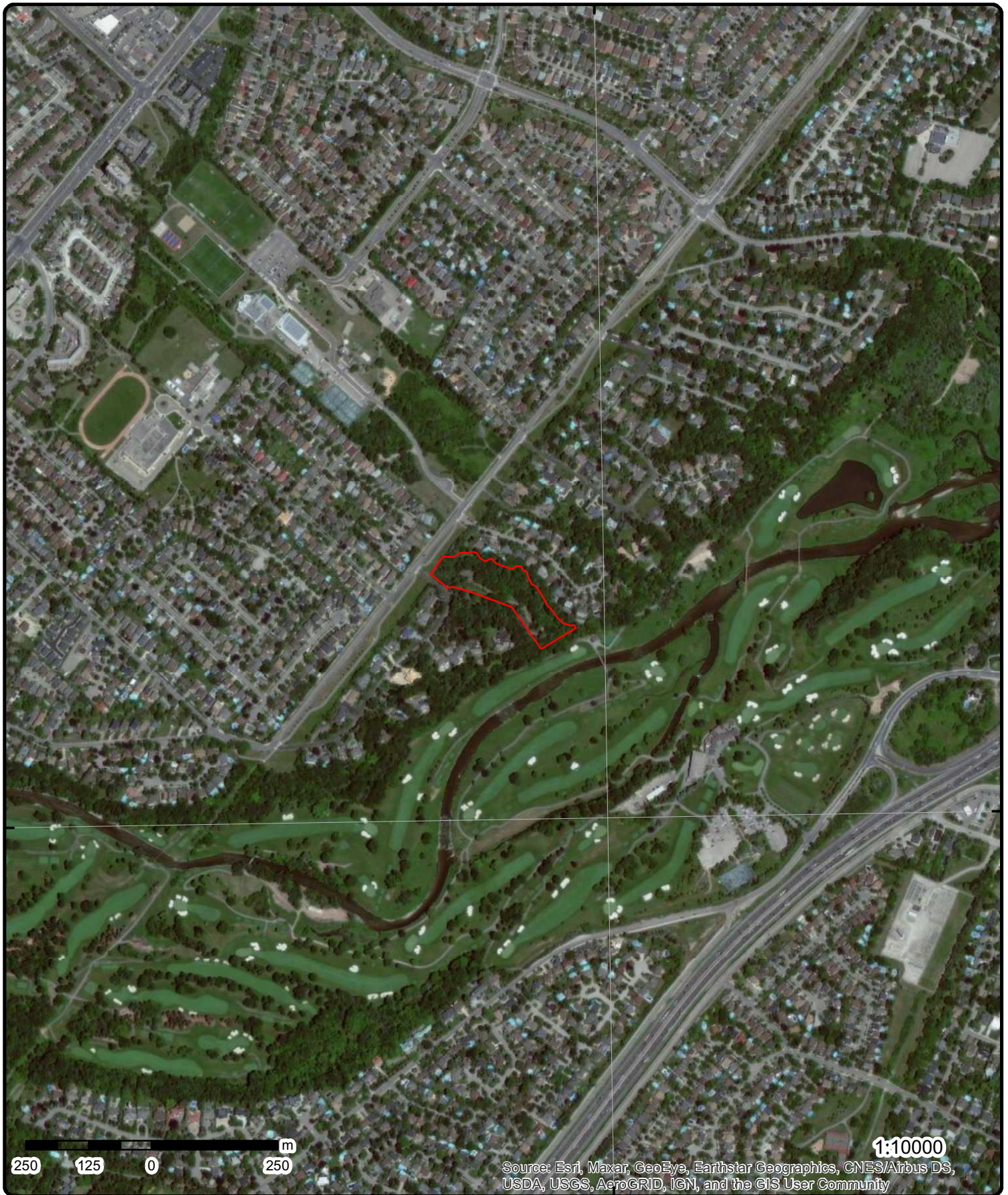


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range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

79°37'30"W

43°33'N

43°33'N



Aerial Year: 2015

Address: 900 Mississauga Heights Drive, Mississauga, ON

Source: ESRI World Imagery

Order Number: 21012700402



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79°39'W

79°37'30"W

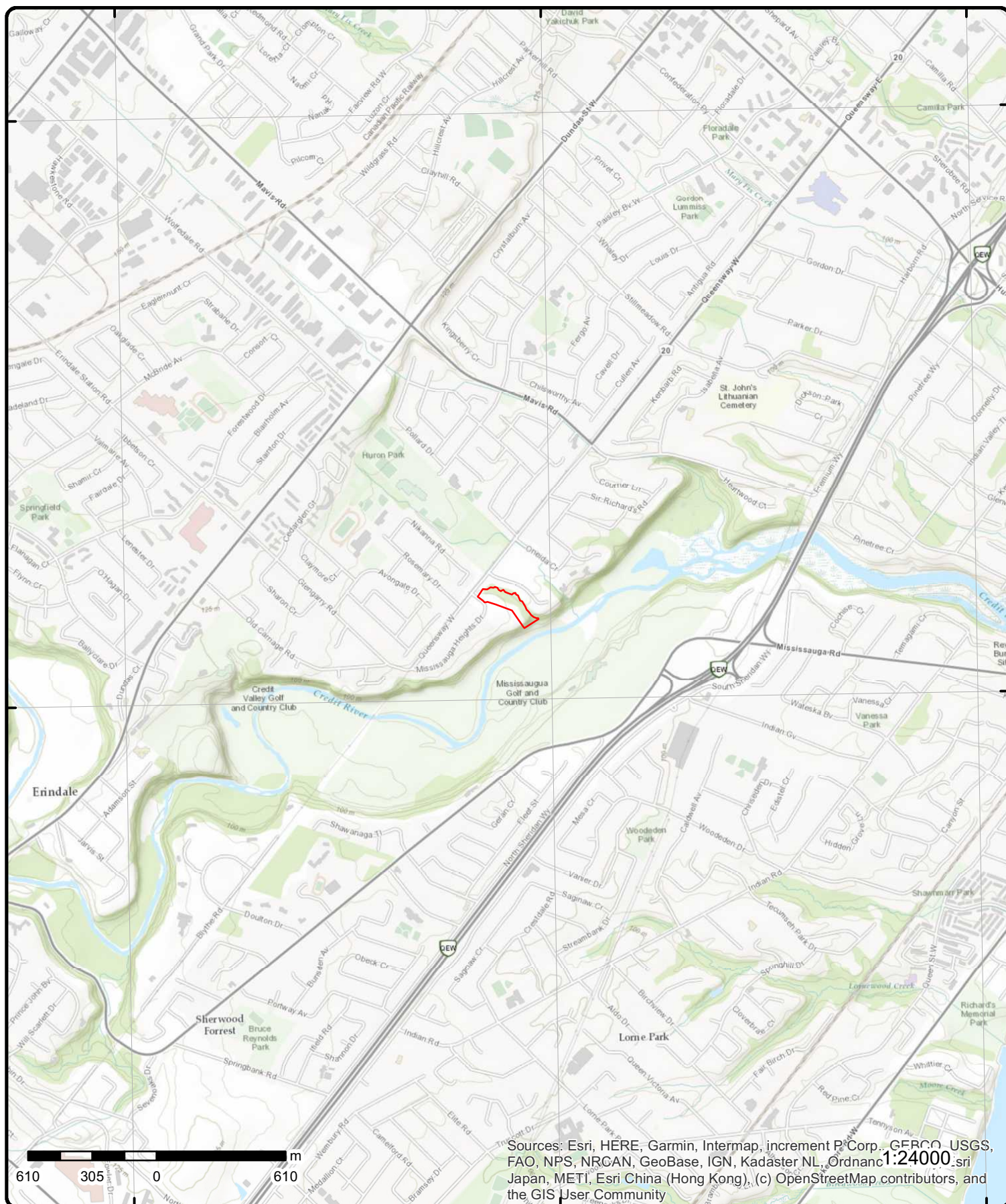
79°36'W

43°34'30"N

43°34'30"N

43°33'N

43°33'N



Topographic Map

Address: 900 Mississauga Heights Drive, ON

Source: ESRI World Topographic Map

Order Number: 21012700402



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	WSW/0.0	99.6 / 0.34	ON	WWIS
<div> <div> Well ID: 7316566 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: C43572 Tag: A240016 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: </div> <div> Data Entry Status: Yes Data Src: Date Received: 8/13/2018 Selected Flag: Yes Abandonment Rec: Contractor: 7230 Form Version: 8 Owner: Street Name: County: PEEL Municipality: MISSISSAUGA CITY (PORT CREDIT) Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
PDF URL (Map):					
<u>Bore Hole Information</u>					
<div> <div> Bore Hole ID: 1007248781 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 7/26/2018 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Elevation: Elevrc: Zone: 17 East83: 610848 North83: 4823257 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr </div> </div>					
1	2 of 2	WSW/0.0	99.6 / 0.34	ON	WWIS
<div> <div> Well ID: 7308419 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: </div> <div> Data Entry Status: Yes Data Src: Date Received: 3/22/2018 Selected Flag: Yes Abandonment Rec: Contractor: 7230 </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> Casing Material: Audit No: C41606 Tag: A240016 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: </div> <div> Form Version: 8 Owner: Street Name: County: PEEL Municipality: MISSISSAUGA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div> <div>PDF URL (Map):</div>					
Bore Hole Information					
<div> <div> Bore Hole ID: 1007009263 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 2/1/2018 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Elevation: Elevrc: Zone: 17 East83: 610848 North83: 4823257 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr </div> </div>					
<u>2</u>	1 of 1	NE/44.3	100.1 / 0.87	The Regional Municipality of Peel Shardon Mews Mississauga ON	SPL
<div> <div> Ref No: 8540-BGU4L8 Site No: NA Incident Dt: 10/10/2019 Year: Incident Cause: Incident Event: Overflow/Surcharge Contaminant Code: 44 Contaminant Name: SEWAGE,RAW UNCHLORINATED Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: n/a Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Surface Water; Source Water Zone MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 10/10/2019 Dt Document Closed: Incident Reason: Power Interruption/Loss Site Name: Shardon Mews pumping station<UNOFFICIAL> Site County/District: Regional Municipality of Peel Site Geo Ref Meth: Incident Summary: Mississauga: raw sewage overflow/power outage </div> <div> Discharger Report: Material Group: Health/Env Conseq: 0 - No Impact Client Type: Municipal Government Sector Type: Unknown / N/A Agency Involved: Nearest Watercourse: Site Address: Shardon Mews Site District Office: Halton-Peel Site Postal Code: Site Region: Central Site Municipality: Mississauga Site Lot: Site Conc: Northing: 4823351.86 Easting: 610914.29 Site Geo Ref Accu: Site Map Datum: NAD83 SAC Action Class: Sewage Bypasses / Overflows Source Type: Sewage Treatment </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:		0 other - see incident description			
3	1 of 1	NW/53.3	106.2 / 7.01	n/a Mississauga ON	EHS
Order No: 20311800012				Nearest Intersection:	
Status: C				Municipality:	
Report Type: Custom Report				Client Prov/State: ON	
Report Date: 23-NOV-20				Search Radius (km): 0	
Date Received: 18-NOV-20				X: -79.62915252	
Previous Site Name:				Y: 43.55519102	
Lot/Building Size:					
Additional Info Ordered:					
4	1 of 1	SW/64.7	101.4 / 2.17	904 MISSISSAUGA HEIGHTS lot 2 MISSISSAUGA ON	WWIS
Well ID: 7052831				Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received: 11/28/2007	
Sec. Water Use:				Selected Flag: Yes	
Final Well Status: 0				Abandonment Rec: Yes	
Water Type:				Contractor: 2663	
Casing Material:				Form Version: 4	
Audit No: Z68763				Owner:	
Tag:				Street Name: 904 MISSISSAUGA HEIGHTS	
Construction Method:				County: PEEL	
Elevation (m):				Municipality: MISSISSAUGA CITY	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 002	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/705\7052831.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID: 23052831				Elevation: 105.769317	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 17	
Code OB:				East83: 610812	
Code OB Desc:				North83: 4823186	
Open Hole:				Org CS: UTM83	
Cluster Kind:				UTMRC: 3	
Date Completed: 10/19/2007				UTMRC Desc: margin of error : 10 - 30 m	
Remarks:				Location Method: wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1000054574			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:					
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1000054575			
Layer:		1			
Plug From:		0			
Plug To:		26			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1000054576			
Layer:		2			
Plug From:					
Plug To:					
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1000054579			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1000054572			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1000054578			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID: 1000054573 Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: m Rate UOM: LPM Water State After Test Code: 0 Water State After Test: Pumping Test Method: 0 Pumping Duration HR: Pumping Duration MIN: Flowing:					
<u>Water Details</u>					
Water ID: 1000054577 Layer: 1 Kind Code: Kind: Water Found Depth: Water Found Depth UOM: m					
<u>5</u>	1 of 4	E/70.8	98.9 / -0.39	2206 Shardawn Mews SHARDAWN MEWS PUMP STATION<UNOFFICIAL> Mississauga ON L5C 1W5	SPL
Ref No: 6440-6W3Q6S Site No: Incident Dt: 12/1/2006 Year: Incident Cause: Discharge Or Bypass To A Watercourse Incident Event: Contaminant Code: 44 Contaminant Name: SEWAGE,RAW UNCHLORINATED Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Possible Nature of Impact: Surface Water Pollution Receiving Medium: Water Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 12/1/2006 Dt Document Closed: Incident Reason: Ice/Snow/Rain Site Name: 2206 SHARDAWN MEWS Site County/District: Site Geo Ref Meth: Incident Summary: BP: Shardawn Mews PS- raw unchlor to Credit R Contaminant Qty: 88000 L					
Discharger Report: Material Group: Wastes Health/Env Conseq: Client Type: Sector Type: Other Plant - Sewage Municipal Agency Involved: Nearest Watercourse: Site Address: 2206 SHARDAWN MEWS Site District Office: Halton-Peel Site Postal Code: Site Region: Site Municipality: Mississauga Site Lot: Site Conc: Northing: NA Easting: NA Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:					
<u>5</u>	2 of 4	E/70.8	98.9 / -0.39	2206 Shardawn Mews Mississauga ON NA	SPL
Ref No: 8420-AL6UYF Site No: NA Incident Dt: 4/6/2017					
Discharger Report: Material Group: Health/Env Conseq: 2 - Minor Environment					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year: Incident Cause: Incident Event: Overflow/Surcharge Contaminant Code: 44 Contaminant Name: SEWAGE,RAW UNCHLORINATED Contaminant Limit 1: Contam Limit Freq 1: /min Contaminant UN No 1: n/a Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Land; Surface Water MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 4/6/2017 Dt Document Closed: Incident Reason: Weather Conditions Site Name: Pumping Station Site County/District: Regional Municipality of Peel Site Geo Ref Meth: NA Incident Summary: Region of Peel: Sanitary Sewer overflow, trickling into stormsewer Contaminant Qty: 5 L					
Client Type: Sector Type: Municipal Sewage Agency Involved: Nearest Watercourse: Site Address: 2206 Shardawn Mews Site District Office: Halton-Peel Site Postal Code: Site Region: Central Site Municipality: Mississauga Site Lot: Site Conc: NA Northing: NA Easting: NA Site Geo Ref Accu: NA Site Map Datum: NA SAC Action Class: Source Type: Sewage Treatment					

5	3 of 4	E/70.8	98.9 / -0.39	The Regional Municipality of Peel 2206 Shardawn Mews Mississauga ON NA	SPL
Ref No: 0302-AXHMML Site No: 9846-72TJCC Incident Dt: 2018/04/04 Year: Incident Cause: Incident Event: Bypass Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Surface Water MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 2018/04/04 Dt Document Closed: Incident Reason: Power Interruption/Loss Site Name: Pumping Station Site County/District: Regional Municipality of Peel Site Geo Ref Meth: NA Incident Summary: DWMD WW Spill: Shardawn Mews PS overflow, power outage Contaminant Qty:					
Discharger Report: Material Group: Health/Env Conseq: 2 - Minor Environment Client Type: Municipal Government Sector Type: Unknown / N/A Agency Involved: Nearest Watercourse: Site Address: 2206 Shardawn Mews Site District Office: Halton-Peel Site Postal Code: NA Site Region: Central Site Municipality: Mississauga Site Lot: Site Conc: NA Northing: NA Easting: NA Site Geo Ref Accu: NA Site Map Datum: NA SAC Action Class: Watercourse Spills Source Type: Sewage Treatment					

5	4 of 4	E/70.8	98.9 / -0.39	The Regional Municipality of Peel 2206 Shardawn Mews Mississauga ON	SPL
Ref No: 2864-B3FUL3 Site No: 9846-72TJCC Incident Dt: 2018/08/08 Year: Incident Cause:					
Discharger Report: Material Group: Health/Env Conseq: 4 - Medium Environment Client Type: Municipal Government Sector Type: Municipal Sewage					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div> Incident Event: Overflow/Surcharge Contaminant Code: 44 Contaminant Name: SEWAGE,RAW UNCHLORINATED Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: n/a Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Surface Water MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 2018/08/08 Dt Document Closed: Incident Reason: Weather Conditions Site Name: Pumping Station Site County/District: Regional Municipality of Peel Site Geo Ref Meth: NA Incident Summary: R of Peel: PS overflow to storm sewer, Credit River Contaminant Qty: 0 other - see incident description </div> <div> Agency Involved: Nearest Watercourse: Credit River Site Address: 2206 Shardawn Mews Site District Office: Halton-Peel Site Postal Code: NA Site Region: Central Site Municipality: Mississauga Site Lot: Site Conc: NA Northing: NA Easting: NA Site Geo Ref Accu: NA Site Map Datum: NA SAC Action Class: Sewage Bypasses / Overflows Source Type: Other </div> </div>					
6	1 of 1	NW/82.6	105.1 / 5.81	R.M. OF PEEL - LOT D, RANGE 3 SHARDAWN MEWS/QUEENSWAY WEST MISSISSAUGA CITY ON	CA
<div> Certificate #: 3-1217-91-91 Application Year: 8/12/1991 Issue Date: 8/12/1991 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: </div>					
7	1 of 1	E/90.9	99.3 / 0.10	2206 SHARDAWN MEWS Mississauga ON	WWIS
<div> <div> Well ID: 7290954 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: Z256532 Tag: A230257 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: </div> <div> Data Entry Status: Data Src: Date Received: 7/27/2017 Selected Flag: Yes Abandonment Rec: Contractor: 7320 Form Version: 7 Owner: Street Name: 2206 SHARDAWN MEWS County: PEEL Municipality: MISSISSAUGA CITY (PORT CREDIT) Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006647767			Elevation:	102.051345
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	611032
Code OB Desc:				North83:	4823280
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	6/27/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006810471				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:	01				
Mat3 Desc:	FILL				
Formation Top Depth:	0				
Formation End Depth:	1.5				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006810472				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	06				
Mat2 Desc:	SILT				
Mat3:	85				
Mat3 Desc:	SOFT				
Formation Top Depth:	1.5				
Formation End Depth:	2.5				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006810473				
Layer:	3				
Color:	2				
General Color:	GREY				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:		92			
Mat3 Desc:		WEATHERED			
Formation Top Depth:		2.5			
Formation End Depth:		4.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006810482			
Layer:		3			
Plug From:		2.7			
Plug To:		4.5			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006810481			
Layer:		2			
Plug From:		0.3			
Plug To:		2.7			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006810480			
Layer:		1			
Plug From:		0			
Plug To:		0.3			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006810479			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1006810470			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006810476			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3.05			
Casing Diameter:		5.1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006810477			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.05			
Screen End Depth:		4.5			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.1			
<u>Water Details</u>					
Water ID:		1006810475			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006810474			
Diameter:		21			
Depth From:		0			
Depth To:		4.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

8	1 of 1	ENE/104.1	98.9 / -0.33	715 QUEENSWAY WEST lot 11 Mississauga ON	WWIS
Well ID:		7108880		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Not Used		Date Received:	7/31/2008
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:		Abandoned-Other		Abandonment Rec:	Yes
Water Type:				Contractor:	7219
Casing Material:				Form Version:	7
Audit No:		Z81960		Owner:	
Tag:		A074308		Street Name:	715 QUEENSWAY WEST
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	MISSISSAUGA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	011
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/7107108880.pdf			

<u>Bore Hole Information</u>					
Bore Hole ID:	1001703388	Elevation:	104.070533		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	611017
Code OB Desc:				North83:	4823322
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	7/14/2008			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1001750332			
Layer:		3			
Plug From:		2.43			
Plug To:		3.96			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1001750333			
Layer:		4			
Plug From:		3.96			
Plug To:		4.26			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1001750330			
Layer:		1			
Plug From:		0			
Plug To:		2.13			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1001750331			
Layer:		2			
Plug From:		2.13			
Plug To:		2.43			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1001750338			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		1001750326			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1001750335			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:		0			
Depth To:		4.26			
Casing Diameter:		106.68			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1001750336			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1001750327			
Pump Set At:					
Static Level:		3.04			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		0			
Water State After Test:					
Pumping Test Method:		0			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
<u>Water Details</u>					
Water ID:		1001750334			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1001750329			
Diameter:		106.68			
Depth From:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		4.26			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
9	1 of 1	E/120.3	99.3 / 0.06	2200 Shardawn Mews, Mississauga ON	PINC
Incident ID:		2761728		Fuel Category:	Natural Gas
Incident No:		605132		Health Impact:	No
Incident Reported Dt:				Environment Impact:	No
Type:		FS-Pipeline Incident		Property Damage:	No
Status Code:		Pipeline Damage Reason Est		Service Interrupt:	Yes
Customer Acct Name:				Enforce Policy:	No
Incident Address:				Public Relation:	No
Tank Status:		RC Established		Pipeline System:	
Task No:		3363567		Depth:	
Spills Action Centre:				Pipe Material:	
Fuel Type:		Natural Gas		PSIG:	
Fuel Occurrence Tp:		Pipeline Strike		Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:		5/24/2011 0:00		Regulator Location:	
Occurrence Start Dt:		2011/06/02		Method Details:	E-mail
Operation Type:		Private Dwelling			
Pipeline Type:					
Regulator Type:					
Summary:		2200 Shardawn Mews, Mississauga - 1/2" Pipeline Hit			
Reported By:		Imineo, Vito - Enbridge			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
Occurrence Desc:		damaged 3/8" copper service			
Damage Reason:		No notification made to the one call center			
Notes:					
10	1 of 1	W/130.4	106.3 / 7.05	2312 ROSEMARY DR lot 9 MISSISSAUGA ON	WWIS
Well ID:		7042476		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Not Used		Date Received:	4/10/2007
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:		Abandoned-Other		Abandonment Rec:	Yes
Water Type:				Contractor:	7219
Casing Material:				Form Version:	3
Audit No:		Z73239		Owner:	
Tag:		A053268		Street Name:	2312 ROSEMARY DR
Construction Method:				County:	PEEL
Elevation (m):				Municipality:	MISSISSAUGA CITY
Elevation Reliability:				Site Info:	PT-543R30289
Depth to Bedrock:				Lot:	009
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7042476.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		11764970		Elevation:	108.435256
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:	—			East83:	610614
Code OB Desc:	No formation data			North83:	4823213
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	3/22/2007			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933316884			
Layer:		2			
Plug From:		1.82			
Plug To:		3.96			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933316883			
Layer:		1			
Plug From:		0			
Plug To:		1.82			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		967042476			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11772660			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930897801			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:					
Casing Diameter:		71.12			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11851241			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		71.12			
Depth From:		0			
Depth To:		3.96			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
11	1 of 1	WSW/137.4	101.6 / 2.36	PIPELINE HIT 1/2" 944 MISSISSAUGA HEIGHTS DRIVE,, MISSISSAUGA,ON,L5C 1A9,CA ON	PINC
Incident ID:				Fuel Category:	Natural Gas
Incident No:		1269462		Health Impact:	
Incident Reported Dt:		10/28/2013		Environment Impact:	
Type:		FS-Pipeline Incident		Property Damage:	Yes
Status Code:				Service Interrupt:	
Customer Acct Name:		PIPELINE HIT 1/2"		Enforce Policy:	Yes
Incident Address:		944 MISSISSAUGA HEIGHTS DRIVE,, MISSISSAUGA,ON,L5C 1A9,CA		Public Relation:	
Tank Status:		Pipeline Damage Reason Est		Pipeline System:	
Task No:		4693213		Depth:	
Spills Action Centre:				Pipe Material:	
Fuel Type:				PSIG:	
Fuel Occurrence Tp:				Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:				Regulator Location:	
Occurrence Start Dt:		2013/10/31		Method Details:	E-mail
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:		944 MISSISSAUGA HEIGHTS, MISSISSAUGA - PIPELINE HIT 1/2"			
Reported By:		Blake Frost <Blake.Frost@enbridge.com>			
Affiliation:					
Occurrence Desc:					
Damage Reason:		Excavation practices not sufficient			
Notes:					
12	1 of 1	WNW/143.8	109.3 / 10.07	PIPELINE HIT 3/8" 2302 NIKANNA RD,,MISSISSAUGA,ON,L5C 2W7, CA ON	PINC
Incident ID:				Fuel Category:	
Incident No:		2379664		Health Impact:	
Incident Reported Dt:		8/23/2018		Environment Impact:	
Type:		FS-Pipeline Incident		Property Damage:	
Status Code:				Service Interrupt:	
Customer Acct Name:		PIPELINE HIT 3/8"		Enforce Policy:	
Incident Address:		2302 NIKANNA RD,,MISSISSAUGA,ON,L5C 2W7,CA		Public Relation:	
Tank Status:		Pipeline Damage Reason Est		Pipeline System:	
Task No:				Depth:	
Spills Action Centre:				Pipe Material:	
Fuel Type:				PSIG:	
Fuel Occurrence Tp:				Attribute Category:	
Date of Occurrence:				Regulator Location:	
Occurrence Start Dt:				Method Details:	
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Damage Reason: Notes:					
13	1 of 1	WNW/184.8	109.8 / 10.60	Enbridge Gas Distribution Inc. 2358 Nikanna Road Mississauga ON	SPL
<div> <div> Ref No: 8385-9ZXP8D Site No: NA Incident Dt: 9/1/2015 Year: Incident Cause: Incident Event: Contaminant Code: 35 Contaminant Name: NATURAL GAS, COMPRESSED (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 9/1/2015 Dt Document Closed: 11/27/2015 Incident Reason: Operator/Human Error Site Name: 2358 Nikanna Road<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Enbridge: 1/2" plastic IP, made safe Contaminant Qty: 0 other - see incident description </div> <div> Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Miscellaneous Industrial Agency Involved: Nearest Watercourse: Site Address: 2358 Nikanna Road Site District Office: Site Postal Code: Site Region: Site Municipality: Mississauga Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Source Type: </div> </div>					
14	1 of 1	WNW/184.8	109.8 / 10.60	PIPELINE HIT - 1/2" 2358 NIKANNA RD,,MISSISSAUGA,ON,L5C 2W7, CA ON	PINC
<div> <div> Incident ID: Incident No: 1712788 Incident Reported Dt: 9/1/2015 Type: FS-Pipeline Incident Status Code: Customer Acct Name: PIPELINE HIT - 1/2" Incident Address: 2358 NIKANNA RD,,MISSISSAUGA,ON,L5C 2W7,CA Tank Status: Not Investigated Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: </div> <div> Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: Regulator Location: Method Details: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Notes:					
15	1 of 1	SW/230.1	101.6 / 2.40	980 MISSISSAUGA ROAD MISSISSAUGA ON	WWIS
<div> <div> Well ID: 7213890 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Abandoned-Other Water Type: Casing Material: Audit No: Z67600 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: </div> <div> Data Entry Status: Data Src: Date Received: 12/30/2013 Selected Flag: Yes Abandonment Rec: Yes Contractor: 1660 Form Version: 4 Owner: Street Name: 980 MISSISSAUGA ROAD County: PEEL Municipality: MISSISSAUGA CITY (PORT CREDIT) Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
PDF URL (Map):					
<u>Bore Hole Information</u>					
<div> <div> Bore Hole ID: 1004674372 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 8/21/2013 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Elevation: 105.438789 Elevrc: Zone: 17 East83: 610681 North83: 4823048 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr </div> </div>					
<u>Overburden and Bedrock Materials Interval</u>					
<div> <div> Formation ID: 1004718184 Layer: 1 Color: General Color: Mat1: Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: 0 Formation End Depth: Formation End Depth UOM: m </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004718185			
Layer:		1			
Plug From:		31.5			
Plug To:		30.5			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004718186			
Layer:		2			
Plug From:		30.5			
Plug To:		29.5			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004718187			
Layer:		3			
Plug From:		29.5			
Plug To:		0			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004718190			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004718183			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1004718189			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1004718188			
Layer:		1			
Kind Code:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<hr/>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					
<i>Water Found Depth UOM:</i>		m			

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	MICHAEL STUART GROUP LTD.	MISSISSAUGA HEIGHTS DRIVE	MISSISSAUGA CITY ON	
CA	The Regional Municipality of Peel	Queensway	Mississauga ON	
CA	SOUTH PEEL WATER SYSTEM	QUEENSWAY W.	MISSISSAUGA ON	
CA	Berkley Homes (Gordon Woods) Inc.	Fredonia Drive	Mississauga ON	
CA	The Corporation of the City of Mississauga	Queensway West at Huron Pk	Mississauga ON	

Unplottable Report

Site: MICHAEL STUART GROUP LTD.
MISSISSAUGA HEIGHTS DRIVE MISSISSAUGA CITY ON

Database:
CA

Certificate #: 3-2431-89-
Application Year: 89
Issue Date: 12/13/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Regional Municipality of Peel
Queensway Mississauga ON

Database:
CA

Certificate #: 3012-86WHPJ
Application Year: 2010
Issue Date: 7/2/2010
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: SOUTH PEEL WATER SYSTEM
QUEENSWAY W. MISSISSAUGA ON

Database:
CA

Certificate #: 7-0008-85-006
Application Year: 85
Issue Date: 1/18/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Berkley Homes (Gordon Woods) Inc.
Fredonia Drive Mississauga ON

Database:
CA

Certificate #: 2135-6EHHZR

Application Year: 2005
Issue Date: 7/22/2005
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
Queensway West at Huron Pk Mississauga ON*

Database:
CA

Certificate #: 1722-7RZP8B
Application Year: 2009
Issue Date: 5/13/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Jun 30, 2020

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:Provincial [CA](#)

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:Federal [CDRY](#)

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

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks:Provincial [CFOT](#)

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors:Private [CHEM](#)

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:Private [CHM](#)

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

Government Publication Date: 1999-Jun 30, 2020

Compressed Natural Gas Stations:Private [CNG](#)

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

Government Publication Date: Dec 2012 -Dec 2020

Inventory of Coal Gasification Plants and Coal Tar Sites:Provincial [COAL](#)

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:Provincial [CONV](#)

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use:Provincial [CPU](#)

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

Government Publication Date: 1994-Dec 31, 2020

Drill Hole Database:

Provincial

[DRL](#)

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial

[DTNK](#)

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

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

Government Publication Date: Oct 2011-Dec 31, 2020

Environmental Registry:

Provincial

[EBR](#)

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

Government Publication Date: 1994-Dec 31, 2020

Environmental Compliance Approval:

Provincial

[ECA](#)

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

Government Publication Date: Oct 2011- Dec 31, 2020

Environmental Effects Monitoring:

Federal

[EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

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

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System:

Federal

[EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Dec 31, 2016**Environmental Penalty Annual Report:**

Provincial

EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019**List of Expired Fuels Safety Facilities:**

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020**Federal Convictions:**

Federal

FCON

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

Government Publication Date: 1988-Jun 2007***Contaminated Sites on Federal Land:**

Federal

FCS

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

Government Publication Date: Jun 2000-Sep 2020**Fisheries & Oceans Fuel Tanks:**

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal

FRST

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

Government Publication Date: May 31, 2018**Fuel Storage Tank:**

Provincial

FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Sep 30, 2020

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

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

Government Publication Date: 1988-2008***National Pollutant Release Inventory:**

Federal

NPRI

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

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

OGWE

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

Government Publication Date: 1988-Aug 31, 2020**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Jun 2020**Inventory of PCB Storage Sites:**

Provincial

OPCB

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

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

Provincial

ORD

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

Government Publication Date: 1994-Dec 31, 2020**Canadian Pulp and Paper:**

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014**Parks Canada Fuel Storage Tanks:**

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Pipeline Incidents:

Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Dec 31, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

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

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Jun 30, 2020

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database:

Provincial

SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private

TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-Aug 2019

Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

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

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

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

Government Publication Date: Oct 2011-Dec 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

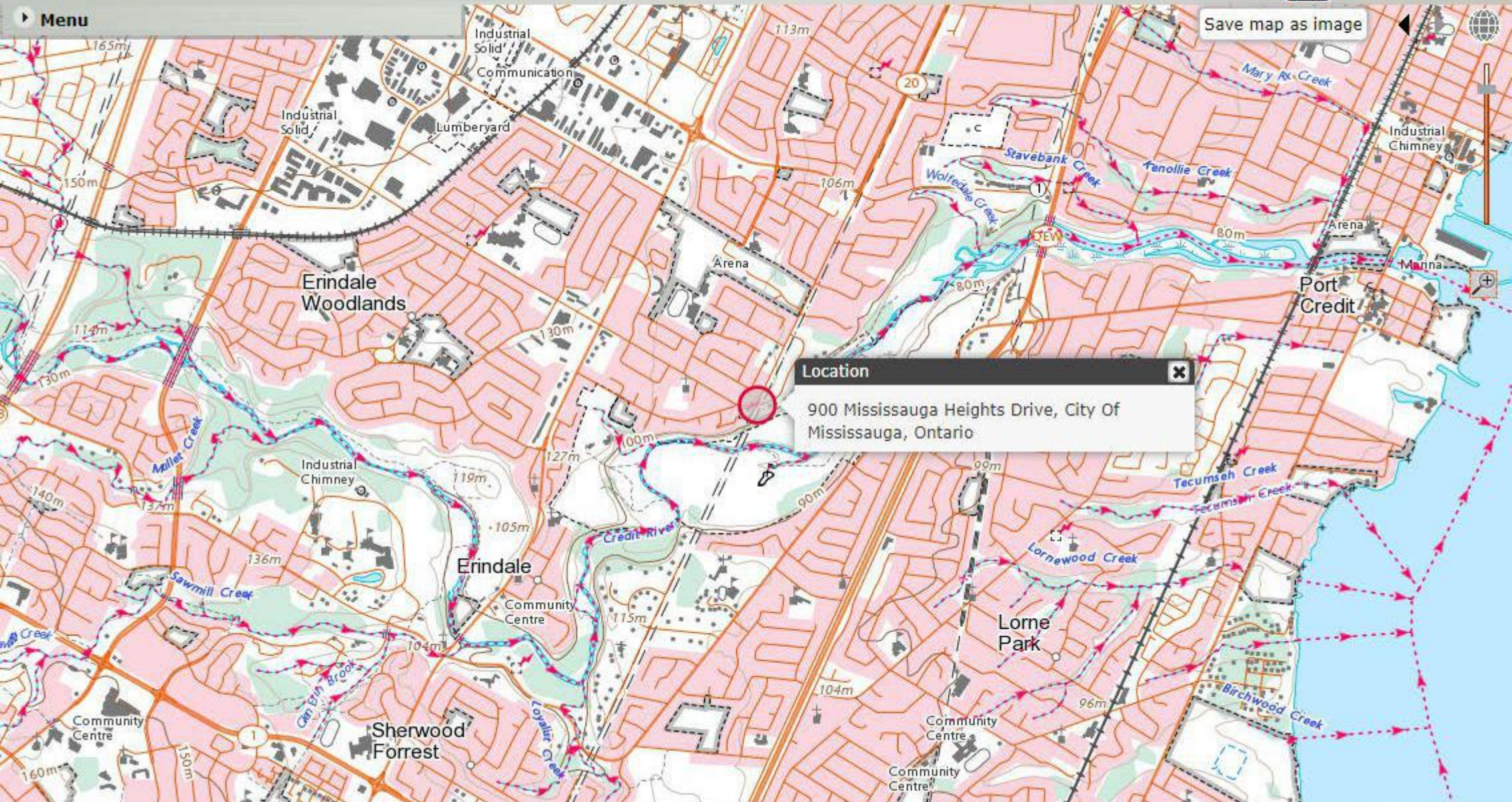
The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

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

APPENDIX I

TERRAPROBE INC.





Location

900 Mississauga Heights Drive, City Of Mississauga, Ontario



×

Georgian Bay

Unit Name: Georgian Bay

Group:

Formation: Georgian Bay

Lithology: shale, limestone

Description: shale and limestone



900 Mississauga Heights Dr



19 Modern alluvial deposits
clay, silt, sand, gravel, may contain organic remains

900 Mississauga Heights Dr

12.2 km

APPENDIX J

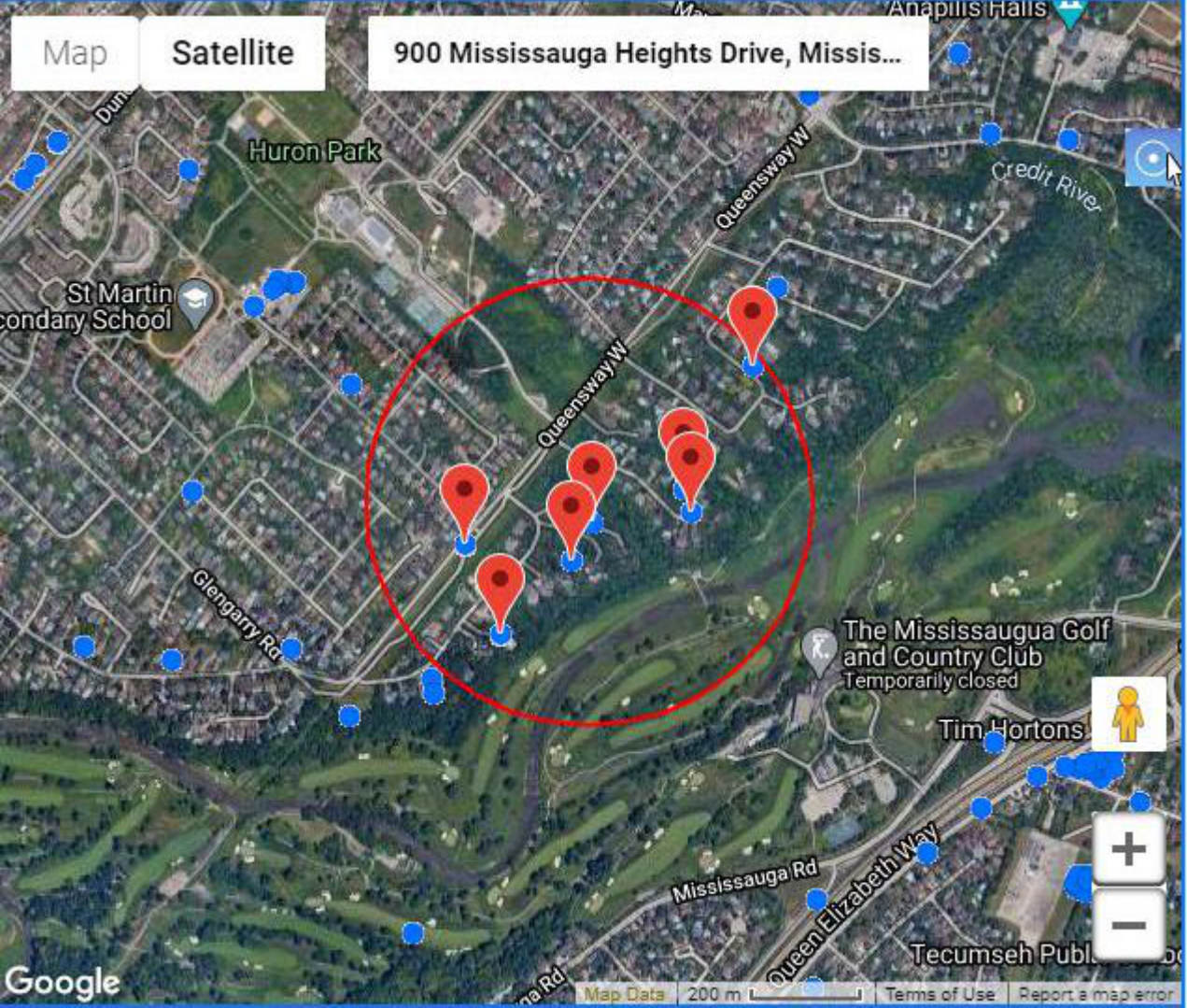
TERRAPROBE INC.



Map

Satellite

900 Mississauga Heights Drive, Missis...



Google

Map Data

200 m

Terms of Use

Report a map error

Water Well Records

Monday, February 1, 2021

5:21:57 PM

TOWNSHIP CON LOT	UTM	DATE CNTR	CASING DIA	WATER	PUMP TEST	WELL USE	SCREEN	WELL	FORMATION
MISSISSAUGA CITY	17 610848 4823257 W	2018/02 7230						7308419 (C41606) A240016 P	
MISSISSAUGA CITY	17 611140 4823551 W	2009/09 6988	1.99			TH		7132978 (Z62970) A087083	BRWN SAND 0001 BRWN SAND 0002 BRWN SILT LOOS 0006 GREY SHLE WTHD 0007
MISSISSAUGA CITY 002	17 610812 4823186 W	2007/10 2663			///:			7052831 (Z68763) A	
MISSISSAUGA CITY 009	17 610614 4823213 W	2007/03 7219	28			NU		7042476 (Z73239) A053268 A	
MISSISSAUGA CITY 011	17 611017 4823322 W	2008/07 7219	42		10///:	NU		7108880 (Z81960) A074308 A	
MISSISSAUGA CITY (PO	17 610404 4822892 W	2018/12 7230	2.04		///:	MT	0020 10	7325863 (Z296958) A253684	BRWN FILL FSND LOOS 0003 BRWN FSND DNSE 0015 BRWN FSND SLTY DNSE 0020 BRWN SILT CLAY SNDY 0025 BRWN FSND SHLE HARD 0030
MISSISSAUGA CITY (PO	17 610848 4823257 W	2018/07 7230						7316566 (C43572) A240016 P	
MISSISSAUGA CITY (PO	17 611032 4823280 W	2017/06 7320	2.00	UT		TH	0010 5	7290954 (Z256532) A230257	BRWN SAND GRVL FILL 0005 BRWN CLAY SILT SOFT 0008 GREY SHLE WTHD 0015
MISSISSAUGA CITY (PO	17 610681 4823048 W	2013/08 1660						7213890 (Z67600) A	
MISSISSAUGA CITY CIR R 03 007	17 610558 4822936 W	1955/06 1429	6 6	SA 0021 SA 0181	40/181/0/1:0	NU		4902194 () A	LOAM MSND 0004 MSND 0010 BLUE CLAY MSND STNS 0012 BLUE SHLE 0021 GREY SHLE 0181
MISSISSAUGA CITY CIR R 03 007	17 610556 4822966 W	1955/06 1429	6					4902193 () A	LOAM MSND 0004 MSND 0010 BLUE CLAY MSND STNS 0012 BLUE SHLE 0021 GREY SHLE 0150
MISSISSAUGA CITY DS S R 02 010	17 610397 4823506 W	1955/10 4838	6 6	FR 0025	3/25/2/1:0	DO		4902192 ()	BLUE CLAY 0004 BLUE SHLE 0035

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	GYPG	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		

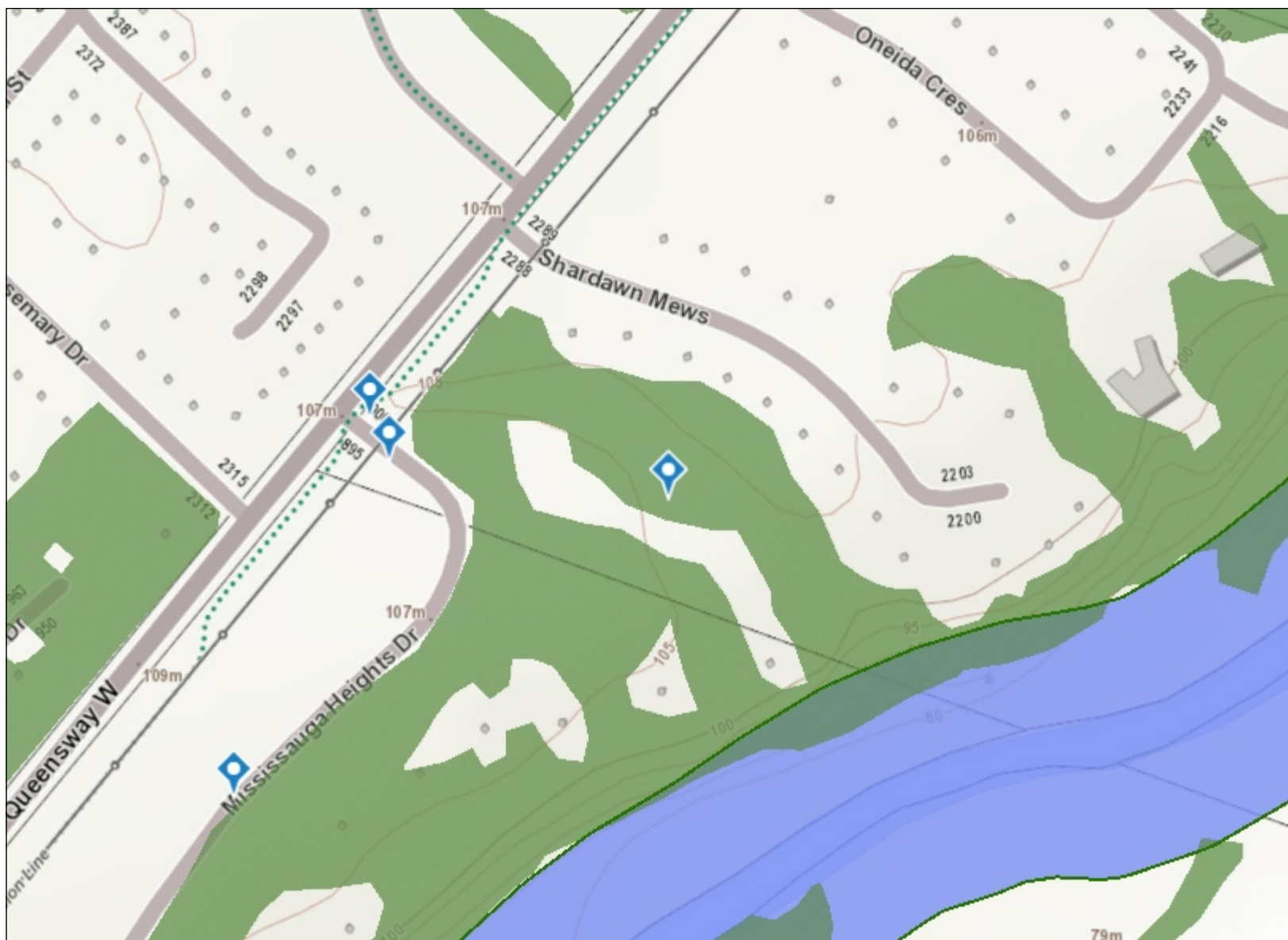
4. Water Detail

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

APPENDIX K

TERRAPROBE INC.





Legend

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

0.2 0 0.08 0.2 Kilometers



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

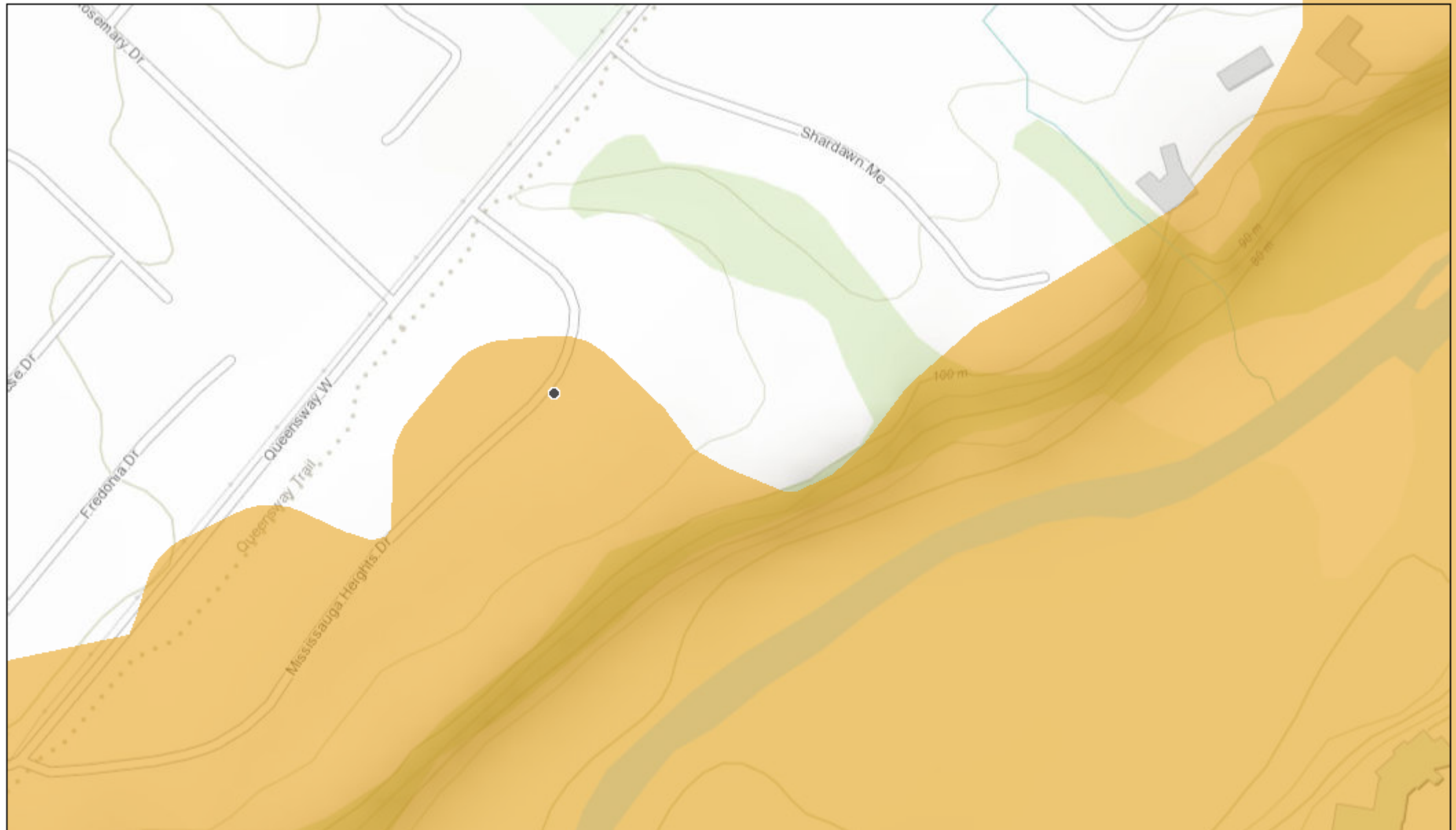
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Regulation Screening- Credit Valley Conservation

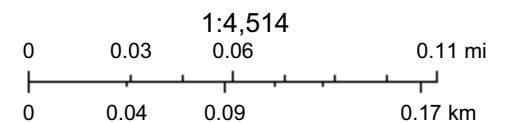


2/1/2021, 4:32:16 PM

Credit River Watershed Boundary

Parcels around Regulated Area

Generic Regulation Mapping



York University, City of Toronto, Region of Peel, Province of Ontario, Ontario MNR, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, AAFC, NRCAN

Credit Valley Conservation

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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 Roz Hussain Terraprobe Inc. 11 Indell Lane Brampton, ON. L6T 3Y3 Email Address: rhussain@terraprobe.ca			FOI Request No.	Date Request Received
			Fee Paid <input type="checkbox"/> ACCT <input type="checkbox"/> CHQ <input checked="" type="checkbox"/> VISA-MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. Tel : (905) 796-2650 Fax : (905) 796-2250	Your Project/Reference No. 1-18-0001-41	Signature of Requester RH February 22, 2021	<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) 900 Mississauga Heights Drive, Mississauga (Part Lots 1 & 2 Plan 342; Parts 1-3 43R-21696; PIN 13359-0653(LT))				
Present Property Owner(s) and Date(s) of Ownership Kai Chau (December 2012)				
Previous Property Owner(s) and Date(s) of Ownership 1) Jun. 2011 – Jenny Chau & Kai Chau; Jun.1994 – Jenny Chau; Jul.1965 – Alexander Wandich & Stella Wandich; Sept. 1944 – Carol P. Hewson; Sept. 1925 – Smith A. Conklin; Sept. 1869 – Peel General Mfg. Co.; Jul. 1869 – Henry Fowler; Dec. 1868 – Thaddeus Van Valkenburgh; No records found prior to 1868				
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.

to me ▾

No Records Found

Thank you for your request for confirmation of public information.

- We confirm that there are **no fuel storage tanks records** in our database at the subject address(es).

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).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,



Connie Hill | Public Information Agent

Facilities

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-3383 | Fax: +1-416-231-6183 | E-Mail: chill@tssa.org

www.tssa.org



From: Roz Hussain <rhussain@terraprobe.ca>

Sent: February 1, 2021 2:32 PM

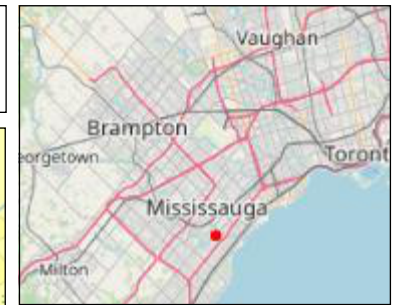
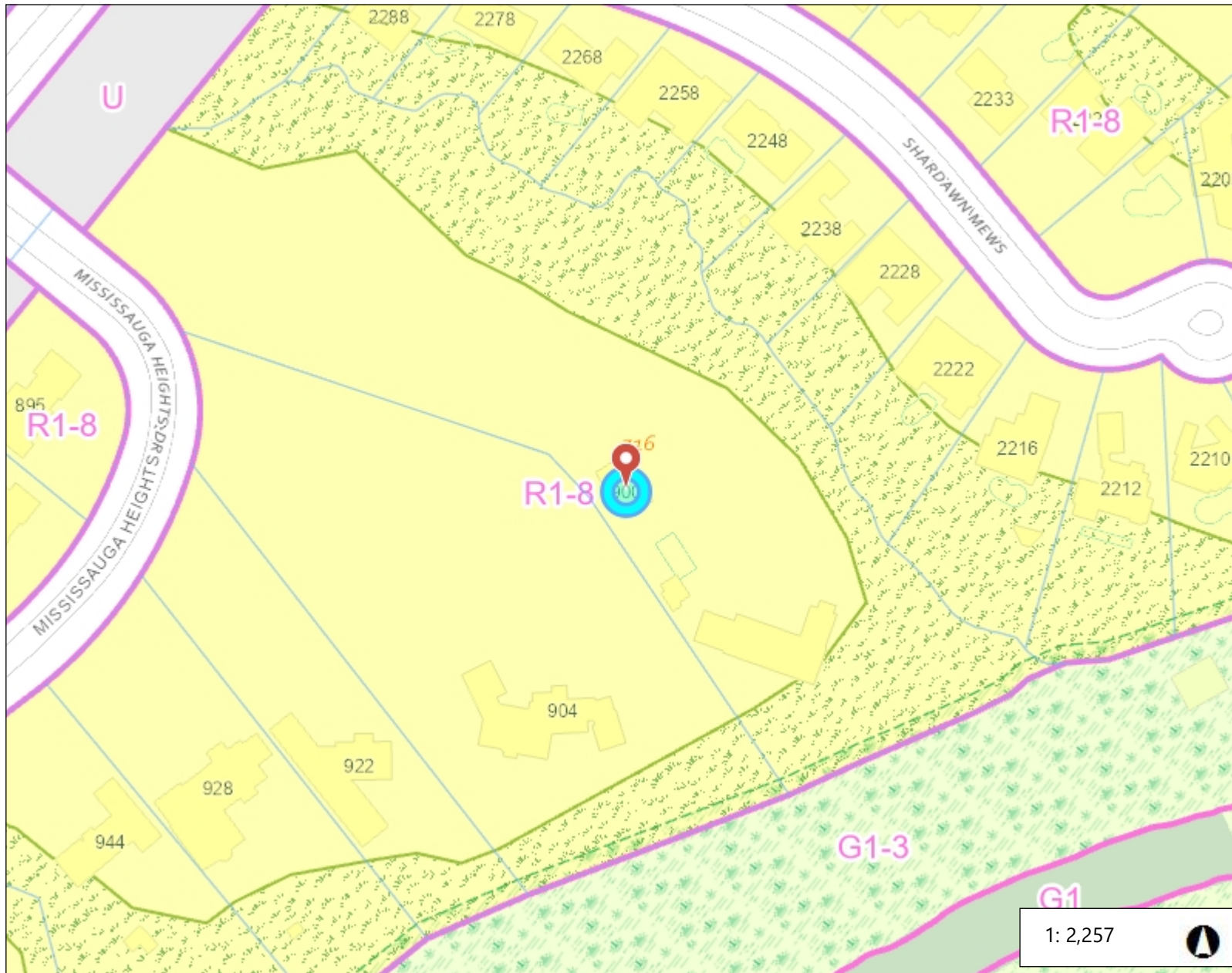
To: Public Information Services <publicinformationsservices@tssa.org>

Subject: TSSA Search Inquiry for 900 Mississauga Heights Drive, Mississauga, ON

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



















Legend

Road Names

 Parcel

 Zoning Labels

Zoning Shapes

-  A Agricultural (By-law 5500)
-  AP Lester B. Pearson International
-  B Buffer, Berm, Fence
-  C1 Convenience Commercial
-  C2 Neighbourhood Commercial
-  C3 General Commercial
-  C4 Mainstreet Commercial
-  C5 Motor Vehicle Commercial
-  CC1 Core Commercial
-  CC2, CC4 Mixed Use
-  CC3 Mixed Use - Transition Area
-  CCO Office
-  CCOS Open Space
-  D Existing Use
-  E1 Employment in Nodes
-  E2 Employment
-  E3 Industrial
-  G1 Natural Hazards
-  G2 Natural Features
-  I Hospital and University / College
-  O Office
-  OS1 Community Park

Notes

114.7 0 57.33 114.7 Meters

WGS_1984_Web_Mercator_Auxiliary_Sphere
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THIS MAP IS NOT TO BE USED FOR NAVIGATION