July 29, 2019

Phase 1 Environmental Site Assessment
2207 Dixie Road, City of Mississauga

BROWN ASSOCIATES LIMITED PROJECT 19*4588
Consultants in the Environmental & Applied Earth Sciences

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Distribution: 2 copies and 1 pdf to Client
1 copy to file

Project 19*4588
July 29, 2019

Attn: Mr. Julien Di Ciano,

Fountain Hill Construction & Consulting Ltd.,
150 Ronson Drive, Suite 101
Toronto, ON
M9W 5Z9

By email: julien@fountainhill.ca

Dear Mr. Di Ciano,

Re: Phase I Environmental Site Assessment
2207 Dixie Road, City of Mississauga, ON

1.0 Summary

Brown Associates Limited completed a Phase 1 environmental report for 2207 Dixie Road, located on the northeast corner of Dixie Road and Venta Avenue in the City of Mississauga. The property is developed with a *circa* 1940's brick bungalow. The rear portion, or northeast portion of a larger property has been recently severed and a new detached two story residence constructed by Fountain Hill was approved under City of Mississauga site plan application 217-M23-SP.

Both sides of Dixie Road north to The Queensway are developed with postwar residences with remaining orchards behind. In the early 1960s residential subdivisions replaced orchards which surrounded the remaining detached residence.

This report is prepared in support of an application for redevelopment of the property for residential townhomes. A standard reliance to the City of Mississauga is enclosed in support of this application.

No environmental issues were found which would suggest Phase 2 characterization of soil or groundwater was required.

2.0 Introduction

2.1 Phase One Property Information

2.1.1 Municipal Address

The address for the phase one property is 2207 Dixie Road, City of Mississauga. It is part of Lot 5, Concession 1, South of Dundas Street in the City of Mississauga (former geographic Township of Toronto South), Regional Municipality of Peel.

It is also described as Part 1, Plan 43R- 38083, and part of PIN 13337-1356.

2.1.2 Contact Information for Property Owner

The property is owned by Fountain Hill Construction and Consulting Limited.

2.1.3 Client Contact Information

Brown Associates was retained by Mr. Julien Di Ciano on behalf of Fountain Hill. The contact information is as follows:

Fountain Hill Construction & Consulting Ltd.,
150 Ronson Drive, Suite 101
Toronto, ON
M9W 5Z9

By email: julien@fountainhill.ca

2.2 Terms of Reference

Bruce A. Brown Associates Limited completed a Phase I Environmental Site Assessment on the property located at 2207 Dixie Road in July 2019. The purpose of this investigation was (1) to conduct a pre-demolition assessment to determine any special requirements which may be required to ensure health and safety of workers and to meet all regulatory requirements in the course of demolition, (2) to determine whether there are any adverse environmental conditions which may require mitigation to meet current regulatory requirements, (3) to determine whether any environmental condition exists which may adversely impact on the real values of the property, (4) to provide base environmental information with reliance to a purchaser or a future mortgage lender and (5) to support redevelopment of the lands for residential purposes by Plan of Subdivision for residential townhomes.

The report has also been prepared within the terms of reference set out in the Statement of Limitations, which is attached in **Appendix A**, and forms an integral part of the report. This Phase I Assessment was carried out in general accordance with CSA Standard (Z768-01), and is subject to the limitations as set out in the attached statement, which forms a part of this document.

2.3 General Description of the Phase One Property

The site is located within an established mixed low density residential area in the City of Mississauga with municipal address 2207 Dixie Road. The site is located on the east side of Dixie Road with a dedicated corner daylighting at Venta Avenue. 2207 Dixie is a *circa* 1940s single family residence. A plan of survey is attached in **Appendix L**.

The property is improved with a single storey brick-clad bungalow. The remaining lot areas are covered with lawns and a disturbed area to the rear associated with completion of construction of the adjacent new detached two-storey residence. The property has full municipal services including electricity, gas, water, sanitary sewers and storm sewers.

A Site Location Plan and a Property Based Map are attached in **Appendix B.**

3.0 Scope of Investigation

This report has been prepared to meet the requirements of a Phase I investigation in general conformity with CSA Standard Z768-01. The phase one study area includes the Phase One property and other properties located wholly or in part within a 250 m radius of the phase one property boundary.

The following tasks were undertaken during May, June and July 2019 to prepare this report:

- Enquiries made to TSSA, with response
- review of recent ERIS Ecolog data, historical air photos,
- Review of 1877 Peel County Map and environmental maps
- review of the MOE "*Ontario Inventory of PCB Storage Sites*" (September 1989)
- review of "*Waste Disposal Site Inventory*" (June 1980), by Intera Technologies Ltd.
- review of "*Inventory of Coal Gasification Plant Waste Sites in Ontario*" (April 1987)
- site visits and review of the surrounding study area
- review of historical air photographs and more recent images from Google Earth
- preparation of a photographic record
- interview with individuals associated with the site
- preparation and submission of the report

4.0 Records Review

Historical data from aerial photographs were obtained from the City of Mississauga E-maps web site, with additional air photos obtained from Google Earth, and data were reviewed from our in-house library. Recent ERIS Ecolog data were also reviewed. The findings from our records review were recorded as follows. Time constraints do not permit making a Freedom of Information request to Ontario Ministry of the Environment, Conservation and Parks since responses are in the order of 90 days or more; instead, there is reliance on ERIS data, which includes MECP sources.

4.1 General

4.1.1 Phase One Study Area

The QP determined that there was no major industry or other uses just beyond the study area limit which would provide cause to enlarge the study area beyond the 250m radius as set out.

ERIS database records were obtained within a 250m radius for the site. Records of interest included Waste Disposal Sites, Certificates of Approval, Commercial and Private fuel tank locations, Ontario Regulation 347 Waste Generators, and Scott's Manufacturing Directory data.

4.1.2 First Developed Use Determination

The phase one property was initially part of the former Township of Toronto South within Peel County. According to the 1877 Peel County Atlas Mapping project, the phase one lands were part of a much larger farm property, extending from the present Queen Elizabeth Highway to Dundas Street on the east side of Dixie Road. This mapping also indicates that a former farm dwelling was located on the Dundas frontage where other scattered residences were found near the Dixie post Office and indicates no other buildings or structures were present on the balance of the lands. What is now the Canadian Pacific Railway was already transecting the farm just south of Dundas Street.

4.1.3 Previous Reporting

No previous reports for the Phase One property are known. The owner commissioned geotechnical investigations and characterized native soil beyond the east side of the property to permit offsite disposal of excess excavated sand.

4.2 Environmental Source Information

4.2.1 Federal Government Database Records

The complete ERIS Risk Assessment Report is attached to this document as **Appendix G**. Federal databases reported by ERIS include:

Environmental Effects Monitoring (EEM)
Environmental Issues Inventory System (EIIS)
Federal Convictions (FCON)
Contaminated Sites on Federal Land (FCS)
Fisheries and Oceans Fuel Tanks (FOFT)
Indian & Northern Affairs Fuel Tanks (AIFT)
National Analysis of Trends in Emergencies Canada (NATE)
National Defense & Canadian Forces Fuel Tanks (NDFT)
National Defense & Canadian Forces Spills (NDSP)
National Defense & Canadian Forces Waste Disposal Sites (NDWD)
National Environmental Emergencies System (NEES)
National PCB Inventory (NPCB)
National Pollutant Release Inventory (NPRI)
Parks Canada Fuel Storage Tanks (PCFT)
Transport Canada Fuel Storage Tanks (TCFT).

No Federal data were reported for the Phase One lands or within the entire Phase One study area.

4.2.2 Ontario Government Database Records

Provincial Government databases reviewed by ERIS include:

Abandoned Aggregate inventory (AAGR)
Aggregate inventory (AGR)
Abandoned Mines Information System (AMIS)
Ontario Borehole (BORE)
Certificates of Approval (CA)
TSSA Commercial Fuel Oil Tanks (CFOT)
Coal Gasification Plants (COAL)
Compliance and Convictions (CONV)
Drill Holes (DRL)
Environmental Registry (EBR)
TSSA Fuel Storage tanks (FST)
Ontario Regulation 347 Waste Generators Summary (GEN)

Mineral Occurrences (MNR)
Non-Compliance Reports (NCPL)
Ontario Oil and Gas Wells (OOGW)
Ontario Inventory of PCB Storage Sites (OPCB)
Pesticide Register (PES)
Private and Retail Fuel Storage Tanks (PRT)
Ontario Regulation 347 Waste Receivers Summary (REC)
Record of Site Condition (RSC)
Ontario Spills (SPL)
Wastewater Discharger Registration Database (SRDS)
Waste Disposal Sites 0 MOE CA Inventory (WDS)
Waste Disposal Sites – MOE 1991 Historical Approval (WDSH)
Water Well Information System (WWIS) .

A review of the ERIS data indicated no records for the property at 2207 Dixie Road and 50 records within a 250m radius. The nearest record is for approval of sewer connections to the new residence at 1413 Venta Avenue for Fountain Hill Construction. A previous ERIS search at 2276 suggests a Phase 1 report may have been prepared for that property, a motorcycle sales and service commercial property on the northwest corner of Dixie and the Queensway.

4.2.2.1 Ontario Regulation 347 Waste Generators Summary

No Ontario database records where found for the Phase 1 property. Fourteen generator numbers are noted within the study area, with the nearest eleven of these associated with pathological wastes from a single medical practice at 2200 Dixie Road, approximately 72m south of the Phase One property.

4.2.3 Ontario Ministry of the Environment and Climate Change

No FOI enquiry was made to Ministry of the Environment, Conservation and Parks because response time is not helpful. Ministry data are collected as part of the ERIS database. ERIS data includes Ministry initiated efforts for a soil replacement program near Dixie and the Queensway, approximately 100m northwest of the Phase One lands. The site is sufficiently remote as not to present a concern for impact on the Phase One lands.

4.2.4 Ontario Ministry of Natural Resources

Provincial mapping did not indicate any areas of natural or scientific interest within 1 km of the Phase One lands. No part of the lands is regulated under the *Conservation Authorities Act*.

4.2.5 Technical Standards and Safety Authority

A request for information on the subject property was filed with the Technical Standards & Safety Authority (TSSA) on May 10, 2019. A response dated May 17, 2019 confirmed that the TSSA has no records in its database for any underground or above-ground storage tanks licensed or registered at the subject address. It also has no records of any incident reports, fuel oil spills, or contamination records for the Phase One property. A copy of this response is attached in **Appendix H**.

It should be noted that the TSSA cannot guarantee having information on sites that have not been licensed since 1987.

4.2.6 Private Records

Private records from various databases were also reviewed by ERIS:

Anderson's Waste Disposal Sites (ANDR)
Automotive Wrecking & Supplies (AUWR)
Chemical Register (CHEM)
ERIS Historical Searches (EHS)
Canadian Mine Locations (MINE)
Oil and Gas Wells (OGW)
Canadian Pulp and Paper (PAP)
Retail Fuel Storage Tanks (RST)
Scott's Manufacturing Directory (SCT)
Anderson's Storage Tanks (TANK) .

No private records were found for sites south of The Queensway.

4.2.7 Waste Disposal Sites, Coal Gasification Plants and PCB Storage Sites

The MOE "*Ontario Inventory of PCB Storage Sites*" (September 1989), "*Waste Disposal Site Inventory*" (June 1980), Intera Technologies Ltd. "*Inventory of Coal Gasification Plant Waste Sites in Ontario*" (April 1987) were reviewed by Bruce A. Brown Associates, and the following data were found:

The subject site is not registered as a former municipal coal gasification plant, the subject site property is not listed as a former PCB storage location and it is not listed as an active or closed waste disposal site. MECP documents also confirm there are no waste disposal sites, PCB storage sites or former coal gasification plants within a 1 km radius of the subject property.

4.3 Physical Setting Sources

4.3.1 Air Photos Review

Air photographs obtained from the City of Mississauga E-maps web site from 1954, 1966, 1989, 1992, as well as 2004, 2017, and 2018 color mapping from Google Earth were reviewed, and are attached in **Appendix D**. A review of air photos confirms that the entire area remained agricultural in character until the mid-1960's when the area began to be more intensively developed for residential subdivision purposes. The earliest air photo of 1954 indicates the site was developed with a single detached residence and was surrounded by mature deciduous trees which canopy over most of the site. The Phase One property was surrounded by orchards and surrounding areas in the immediate vicinity east of Dixie remained undeveloped except for occasional suburban residences and the remaining frontages and lands behind were in apple production. An unopened right-of-way is apparent for the future Queensway East corridor. Power lines cross diagonally about 50m south of the property. The supporting towers are in a different configuration to the current configuration.

The 1966 air photo indicates the site developed with a residence without surrounding trees. Venta Drive has been recently constructed and most residences to the east are constructed, with the balance still under construction. All surrounding orchards have been removed. There are additional infill homes fronting on both sides of Dixie. The Queensway remains undeveloped, although the commercial buildings to the north are recently completed. The medical building at 2200 Dixie was constructed by 1966 and has remained unchanged since that time.

The site and immediate surrounds remain unchanged in the 1989 air photograph in which the Queensway East has been constructed. Little change is noted in 1992, and in 2004 the residences on the south side of Venta Avenue have been constructed.

The 2017 air photo shows the footprint for the future building at 1413 Venta as open and free of lawn, while a 2018 photograph shows the building framed with roof cladding in place, but lacking shingles and brick veneer.

4.3.2 Topography, Hydrology, Geology

A review of the Quaternary Geology map number P. 2204 for Toronto and Surrounding Area indicates that the general area is located on former shallow water deposits comprising outwash sand, located in an embayment within the glacial Lake Iroquois shoreline. To the north are beach or bar deposits of Lake Iroquois which consist mainly of gravel and sand, and to the north and at depth are young clayey silt tills. Subsurface investigation on nearby properties suggests that Georgian Bay Formation shale bedrock may be found within 5 to 6 meters of existing grade. Average grade of the Phase 1 property is 112m geodetic while the lake elevation 10,600 years ago was about 121m geodetic, suggesting a water depth of around 9 meters when local sand was laid down.

Regional groundwater flow is likely to be southwest towards Lake Ontario. Farther south, some small creeks have exposed shale bedrock in the beds. Local groundwater flow could not be readily determined at this time as flow may be disrupted by the presence of local storm sewers or other utility corridors. Groundwater is usually perched on top of shale bedrock and therefore likely to be found at depths of 4 to 5m below present grades.

4.3.3 Water Bodies and Areas of Natural Significance

No water bodies or areas of natural or scientific interest were found within the Phase One study area.

4.3.4 Water Well Records

There were 23 water well records found for Concession **I**, Lot 5, South of Dundas Street in the 250m radius of ERIS reporting. The nearest well records from the Ministry of the Environment, "*Water Well Records for Ontario, 1946 – 1974* are eight records plotted to the northwest none of which had details of subsurface conditions and all of which were advanced for geotechnical purposes.

Wells nearly 200m to the northwest report shales at 3.4 to 4m depth overlying sand. Recent test pitting and boreholes by Brown Associates, not reported, on the west side of Dixie, south of Primate Road found shale underlying sand at a depth of 3 to 3.4 m below grade with groundwater perched on top of bedrock.

MECP well records do not report any wells for domestic use within the south half of Lot 5 of Concession **1** SDS, former Township of Toronto South, now the City of Mississauga. A Well Location Map and a Table of Well Data are attached in **Appendix K**.

4.3.5 Other Mapping

Other than Pleistocene geological mapping, other mapping records consulted in the course of this evaluation were the 1877 Peel County Atlas Map and Ontario Base Mapping from 1982, found in **Appendix C and Appendix I,** respectively.

Mapping from 1877 shows the phase one land as being part of a 200-acre farm belonging to Mr. William Shaver.

5.0 Interview

Interviews with Mr. Di Ciano were conducted in conjunction with start of project by the Brown Associates' principal and during the physical site inspections by Brown Associates on July 10, 2019, during the home inspection Mr. Di Ciano was living in the residence and was contractor for the construction of the adjacent house. He advised he required chemical characterization of surplus sand for the adjacent excavation and that it met Table 1. Soil chemical characterization by a laboratory was provided and is found in **Appendix M**.

6.0 Site Reconnaissance

Brown Associates' senior writer attended onsite on July 10, 2019 to carry out a site inspection, including building interiors. Photographs taken during the site inspection are found in **Appendix E**.

Full access to all parts of the residence were provided by the owner, Mr. Julien Di Ciano, who was present. Conditions were clear and very warm. Mr. Di Ciano advised he purchased the property in October 2016. Prior to this, the residence was used as a chiropractic office and prior to that it was residential. Mr. Ciano indicated that the east half of the property was severed and the new single family residence was almost complete. The subject site residence is intended to be demolished and redeveloped for residential townhomes. Since Mr. Di Ciano acquired the home, no improvements were made by him.

The property was improved with a single detached single storey bungalow with a full basement. This residence constitutes the first developed use on the property and there was no evidence of any earlier buildings or structures.

The residence has a full basement which was of decorative concrete block construction with burnt clay brick cladding above and a pitched roof with mineralized asphaltic shingles. The basement was unfinished and consisted of two rooms each with concrete floor. The south half was used for storage of personal goods. A modern gas-fired boiler was located near the south wall which in all likelihood replaced either a former oil tank or possibly an even earlier coal-fired device. There was evidence of a possible coal delivery hatch located in the west wall of the basement and an abandoned filler pipe was noted on the south side of the house suggesting a former fuel tank. An electric hot water tank was located near the east side of this half. The north half of the basement had a separate forced air furnace with ducting which was being used for air conditioning purposes only. Some storage of personal items was noted in this area as well. Hot water pipes for heating did not have any cladding or other insulation.

The main floor had hot water radiators in each room. Finishes included decorative wood framing on some windows and doorways. The kitchen consisted of linoleum flooring and 300 x 300mm cellulose acoustic tiles in ceiling. Wood floors were noted throughout remainder of the house aside from the bathroom which was tiled.

There is a prefabricated metal shed adjacent to the home on the north side. Building materials and tools were stored in and around the shed. A driveway was located on the south side with access from Venta Avenue. A chain link fence on the east lotline separates the Phase 1 land from the residence under construction. The balance of the property is grassed with two mature deciduous trees, one on the south side and one on the west side.

6.1 Below-Ground Structures

No evidence of any below-ground structures beyond the basement was noted.

6.2 Storage Tanks

A residual filler pipe suggested there was likely a former standard 900-litre steel fuel oil tank which would have been removed when conversion to gas took place for comfort heating. There was no oil staining associated with any former tank. No other tanks were noted.

6.3 Potable and Non-Potable Water Sources

2207 Dixie most probably always relied on municipal water.

6.4 Sewage Works

2207 Dixie is connected to the municipal sanitary sewers. There was likely a former Class 4 onsite system which would have performed well in the sand substrate. There is no visual evidence of any former onsite system, however a tank might be found in the course of demolition.

6.5 Stained Soil or Stressed Vegetation

No evidence of stained or stressed vegetation was noted during any site visit.

7.0 Review and Evaluation of Information

7.1 Current Uses and Adjacent Uses

Current use of the lands is for a residential home. No earlier developed use was suggested by any evidence. Adjacent uses are single family homes on both sides and beyond on the east side of Dixie. There is a medical office building located on the west side of Dixie, also surrounded by single family homes.

7.2 Potentially Contaminating Activities

No evidence of potentially contaminating activities was noted.

No evidence of asbestos in the form of pipe wrap or transite sheeting was noted. Some linoleum flooring from 1965 or earlier may contain up to 5% chrysotile asbestos, in which kitchen flooring should be treated as asbestos containing unless sampled to prove otherwise.

CFCs are present in white goods and in the air conditioning system. No evidence of urea formaldehyde insulation was noted. These must be recovered by a licensed technician before equipment is disabled.

7.3 Areas of Potential Environmental Concern

No areas of potential environmental concern were noted during the course of inspections or from secondary sources.

Although surrounding lands were used for apple production in the 1950s and into the early 1960s, with potential for application of DDT, the existing residence was already in place by that time, precluding direct application to the property. The surrounding residential development took place around 1954 to 1966, at which time most topsoil was probably stripped and removed. Accordingly, there is a very low probability of any residual organophosphorus pesticide application on the lands.

8.0 Conclusions and Recommendations

8.1 Is a Phase Two ESA Required?

The first developed use of the property was for the present single-family residential home, surrounding which the balance of lands were apple orchards. The surrounding orchard use was terminated at a time when DDA or DDT may have been sprayed on the orchard while active, over a period of around 5 years from the time when the product came into general use in Canada and when the residential subdivision was developed. Because most topsoil was stripped and because the Phase 1 residence was already in place, the potential for residual impacts from OP products is considered to be insignificant.

No Phase 2 subsurface investigations is warranted based on these findings. A geotechnical investigation was provided to facilitate the adjacent residence and conditions are anticipated to be the same for the phase one property, with undisturbed sand with sufficient bearing capacity for conventional foundations found to typical basement depths.

9.0 Reliance

This report may be relied on by a mortgage lender for purposes of consideration to provide purchaser mortgage financing, subject to the standard limitations statement contained herein. A reliance letter to a third party may be requested, in which case it will also be subject to these standard limitations.

The report may also be relied on by the City of Mississauga for purposes of administering the plans approvals process for the proposed redevelopment of the phase one property. A copy of the reliance letter in the City's standard format is attached in **Appendix J**.

9.1 Proposed Redevelopment

The residual residential property proposed for redevelopment in accordance with a Draft Plan of Subdivision will consist of a cluster of residential townhomes.

10.0 References

City of Mississauga. Historical Air Photo Collection, Online Interactive Mapping Site, "1954, 1966, 1989, 1992 Aerial Photography", Mississauga GIS Department, Air Photography.

Ecolog ERIS, May 13, 2019, Standard Select Report.

Intera Technologies Limited, 1987. *Inventory of Coal Gasification Plant Waste Sites in Ontario*. Prepared for Ontario Ministry of the Environment, Waste Management Branch.

"Mississauga, ON." 43.602182° " N and 79.573302° " W. 2004, 2017, 2018 Google Earth Photography.

Ontario Ministry of the Environment (MOE), 1989. *Ontario Inventory of PCB Storage Sites*.

Ontario Ministry of the Environment (MOE), May 2019. Well Record Data Set, Ontario Well Records online database. Water Well Information System.

Ontario Ministry of the Environment (MOE), 1980. *Waste Disposal Site Inventory*.

The Canadian Atlas Digital Project. 1877 Peel County Atlas Map, Township of Toronto South, McGill University.

11.0 Qualification

Brown Associates Limited is a full-services geo-environmental consulting firm which has carried out more than 4,600 environmental evaluations over the past 48 years. The firm is qualified to manage asbestos, PCBs, pre-demolition surveys, designated substances inventories and soil and groundwater characterization and remediation programs. Dr. Brown is a Professional Engineer and a Qualified Person recognized by the Ontario Ministry of the Environment, Conservation & Parks and has a B.Sc. in Geology and Chemistry from Queen's University (1968) and a Doctorate in Geochemistry from Oxford University (1970).

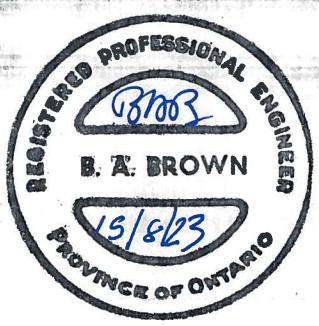
Brown Associates Limited carries $5 million in environmental liability insurance ($2 million per incident) and $2 million in errors and omissions insurance and enjoys a claims-free status.

12.0 Closure

We trust that this information is sufficient for your present requirements. Should any questions arise, please do not hesitate to call. Thank you for this opportunity to be of service.

Yours very truly,

BRUCE A. BROWN ASSOCIATES LIMITED



Bruce A. Brown, Ph. D., MCIP, RPP, P. Eng., QP(ESA)
Principal Engineer
Senior Reviewer

Eva Mitsche, Hons. BA
Environmental Researcher

Appendix A: Phase I Statement of Limitations

Bruce A. Brown Associates Limited

Statement of Limitations for Phase I Environmental Evaluations

The conclusions and recommendations of this report are applicable only to the net area described in the report, and to the time of inspection. This report may be used only by the client to which it is addressed and for the purposes stated in the introduction. Bruce A. Brown Associates Limited does not permit use of this report by any third party or for any purpose other than stated unless written authorization is provided by this firm.

This Phase I evaluation is a preliminary environmental quality assessment of real property. Sources which are relied upon include visual inspection, general inquires to management, tenants, and approvals agencies as stated in the report. Secondary sources are limited to historical insurance maps, air photographs, street directories and like materials as stated in the body of the report.

A Phase I Environmental Evaluation does not generally include intrusive investigations or materials sampling, laboratory analyses or monitoring. As a consequence, it is recognized that site specific conditions which are not visually apparent to a qualified and experienced investigator may not be discovered at this level of evaluation. A confirmation of presence or absence of any impaired condition, its extent or possible liabilities associated with such a condition cannot be firmly established at the Phase I level of investigation.

Where site conditions or history of use of a site and/or neighbouring lands, or age of facility suggest potential for impaired conditions, a supplementary Phase II evaluation may be required to confirm the presence or extent of any impaired condition to permit continued or proposed future uses of a property.

With the exception of instances where this firm is specifically retained to confirm field conditions, or to supervise demolition, construction, excavation, or other remediation, the responsibility of Bruce A. Brown Associates Limited shall be restricted to accurate interpretation of available information from sources cited.

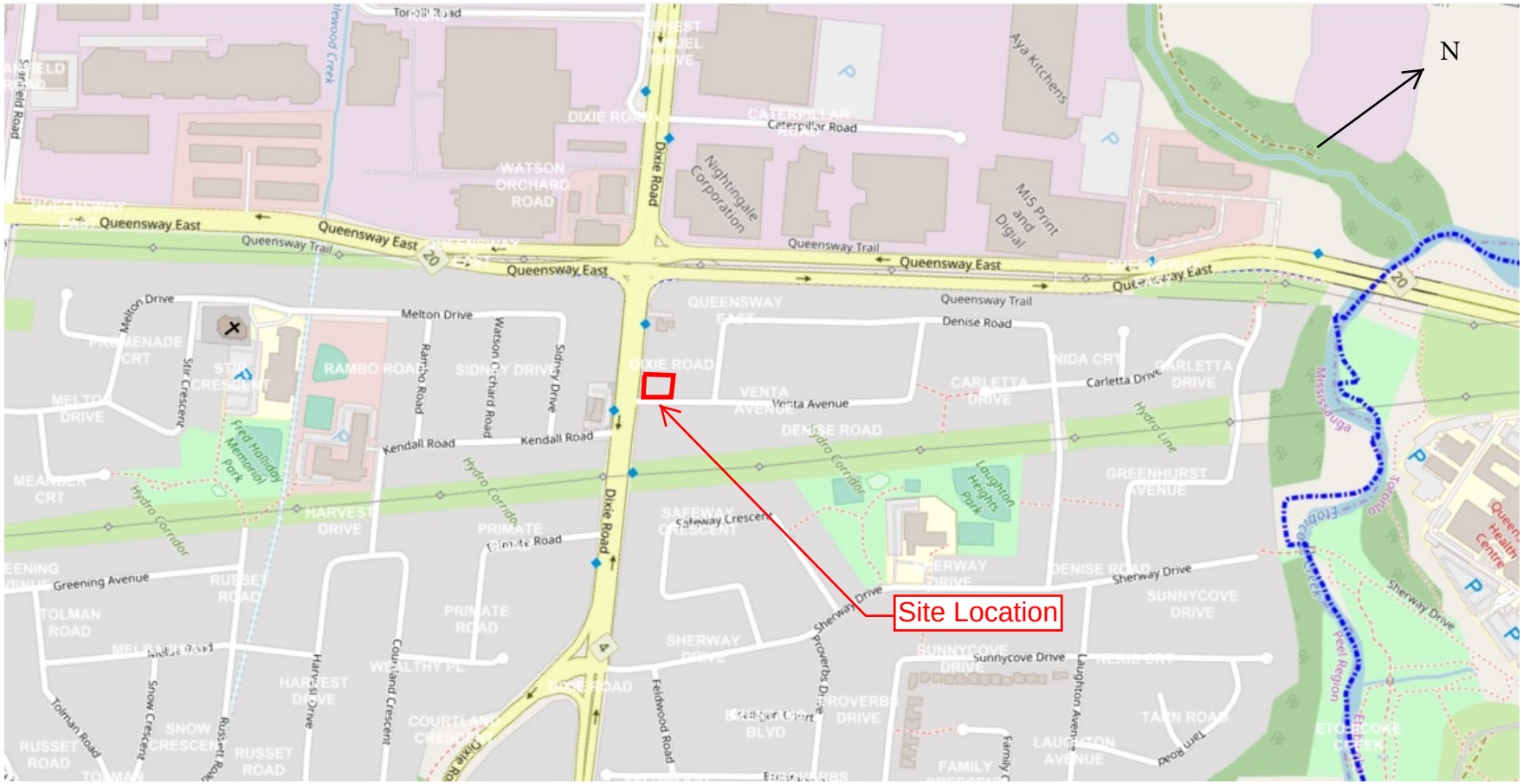
All costing and figures are rough estimates based on the current guidelines and market costs, and several quotes from contractor should be obtained prior to site work. Costs will depend on extent of work and approach and in some cases the best approach cannot be determined until after site work has commenced.

Communication of all matters concerning on-site materials, identified hazardous wastes, soils or groundwater quality or remediation and other matters shall be to the firm or individual authorizing site investigations. Where recommendations are made by Bruce A. Brown Associates Limited to an authorizing agent, it shall be the responsibility of that agent to

communicate, as required, to any contractor, owner, agency, or other consultant who may be affected by such recommendations, or shall require such data to carry out their duties in a safe and responsible manner as they relate to the subject property and ensure compliance with all regulatory requirements and guidelines affecting the environment or matters of occupational health and safety.

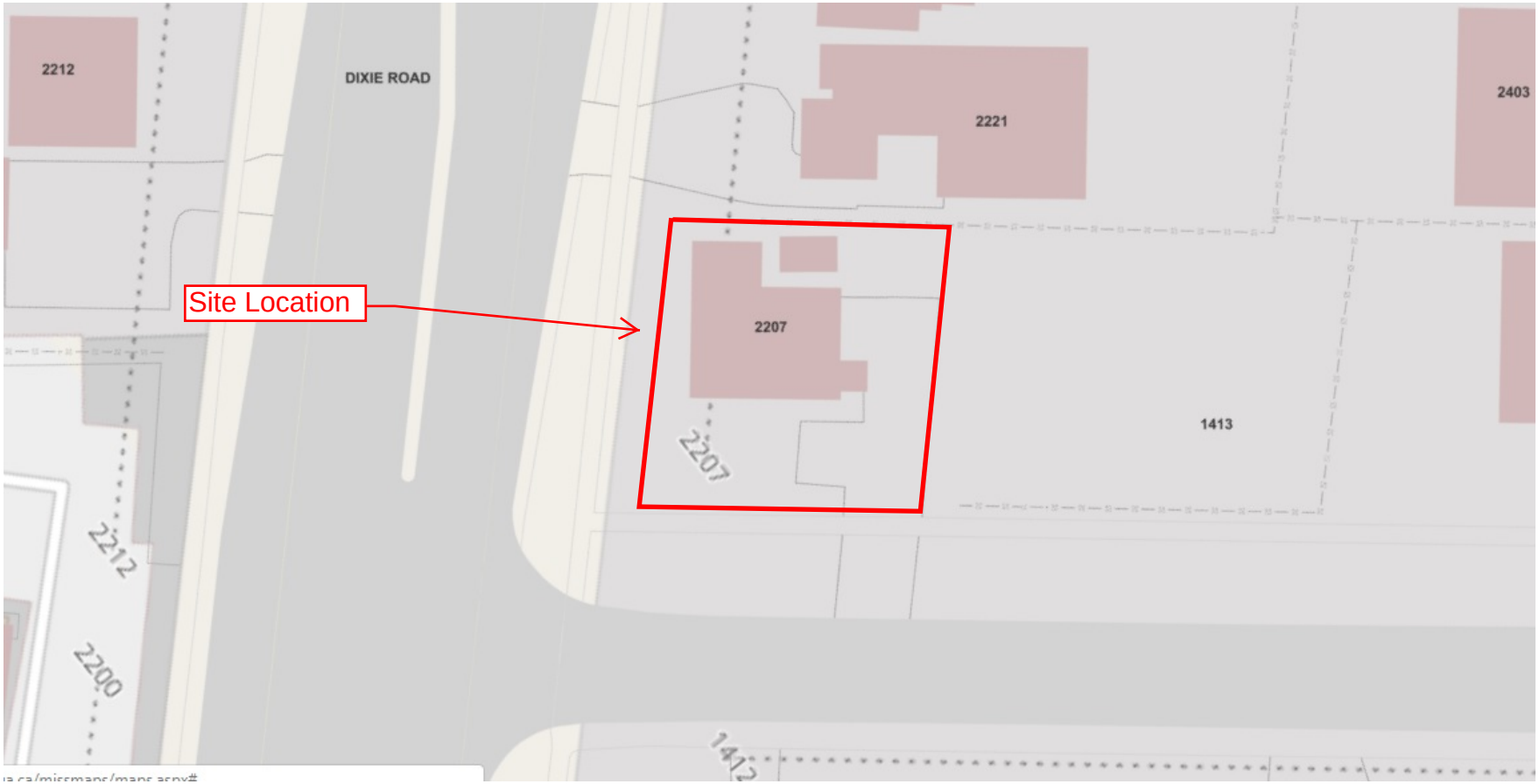
Appendix B: Site Location Plan, Property Based Map, Study Area Map

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019



Site Location Plan

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019



Property Based Map

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019

Phase One Study Area Map

Appendix C: 1877 Peel County Atlas Map

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 10, 2019

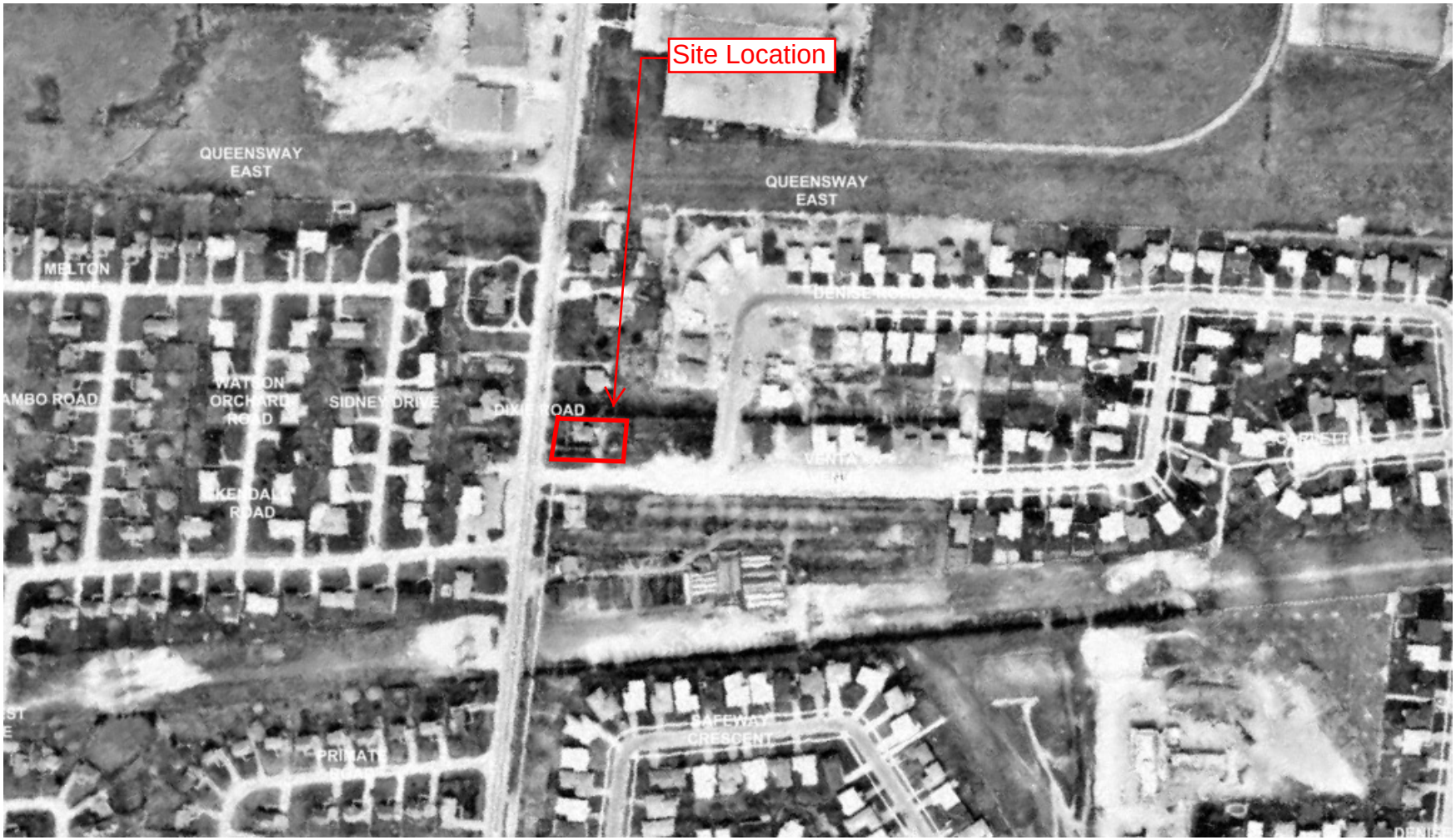
Peel County - Township of Toronto South: 1877

Appendix D: Historic Air Photographs

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019

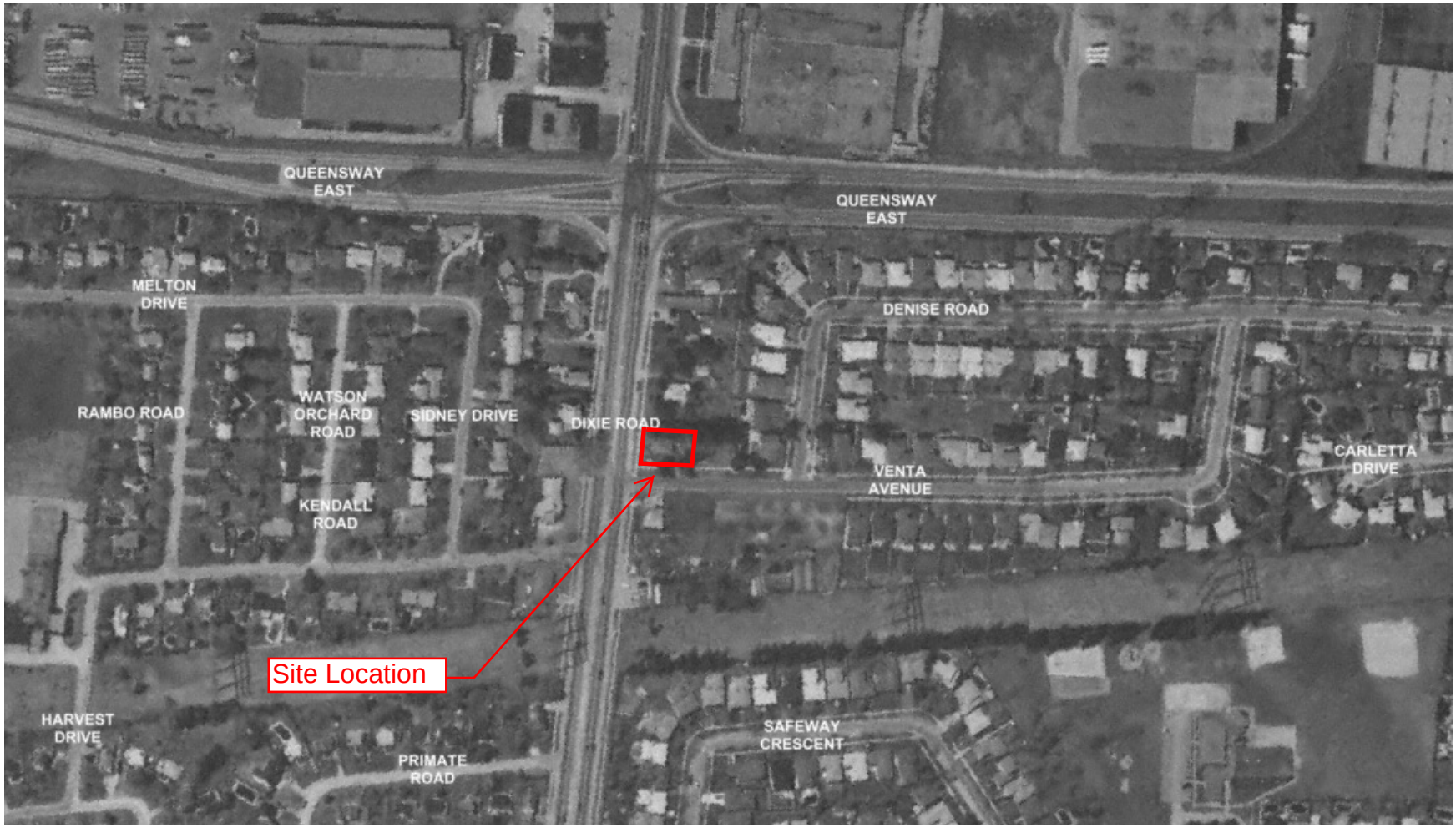
Historical Air Photo: 1954

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019



Historical Air Photo: 1966

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019



Historical Air Photo: 1989

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019

Historical Air Photo: 1992

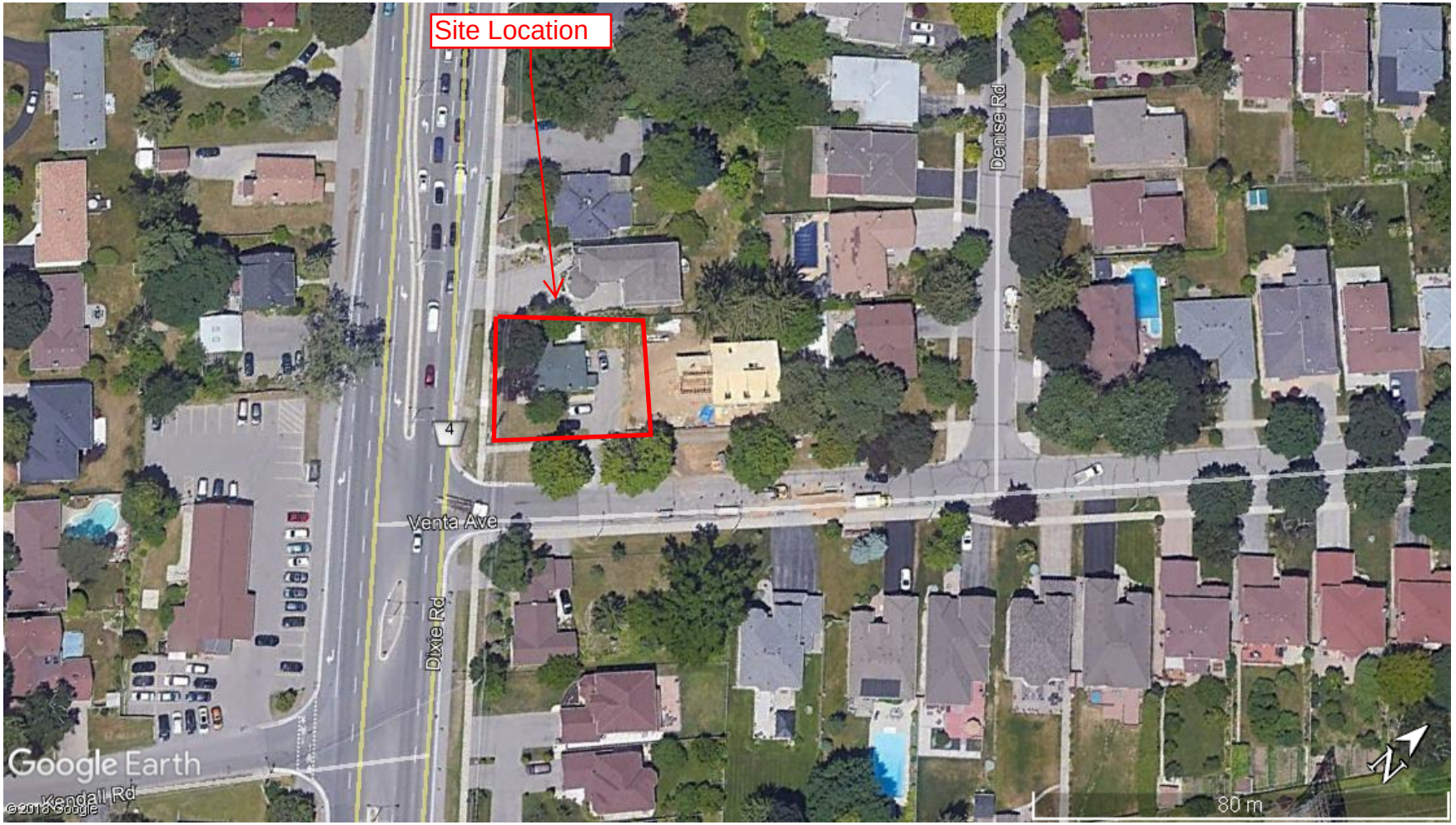
Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019

Historical Air Photo: 2004

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019

Historical Air Photo: 2017

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019



Historical Air Photo: 2018

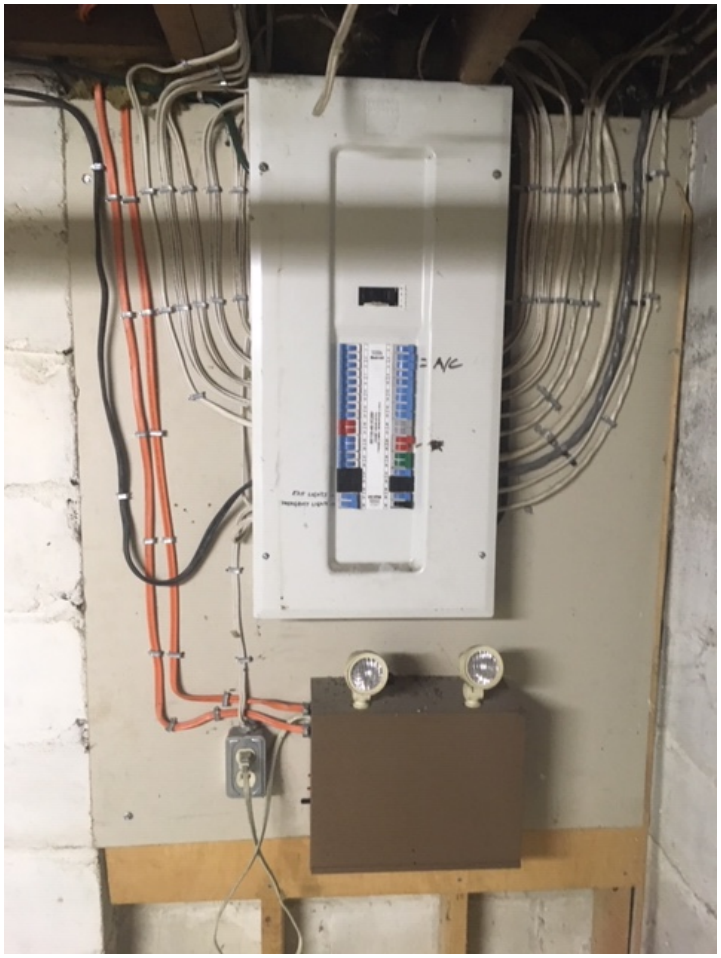
Appendix E: Site Photographs

Above: View to Northeast of Front and south Elevations

Below: View to West from New Construction

Modern Boiler in Basement

Replacement Electrical Panel with Breakers and with New Wiring



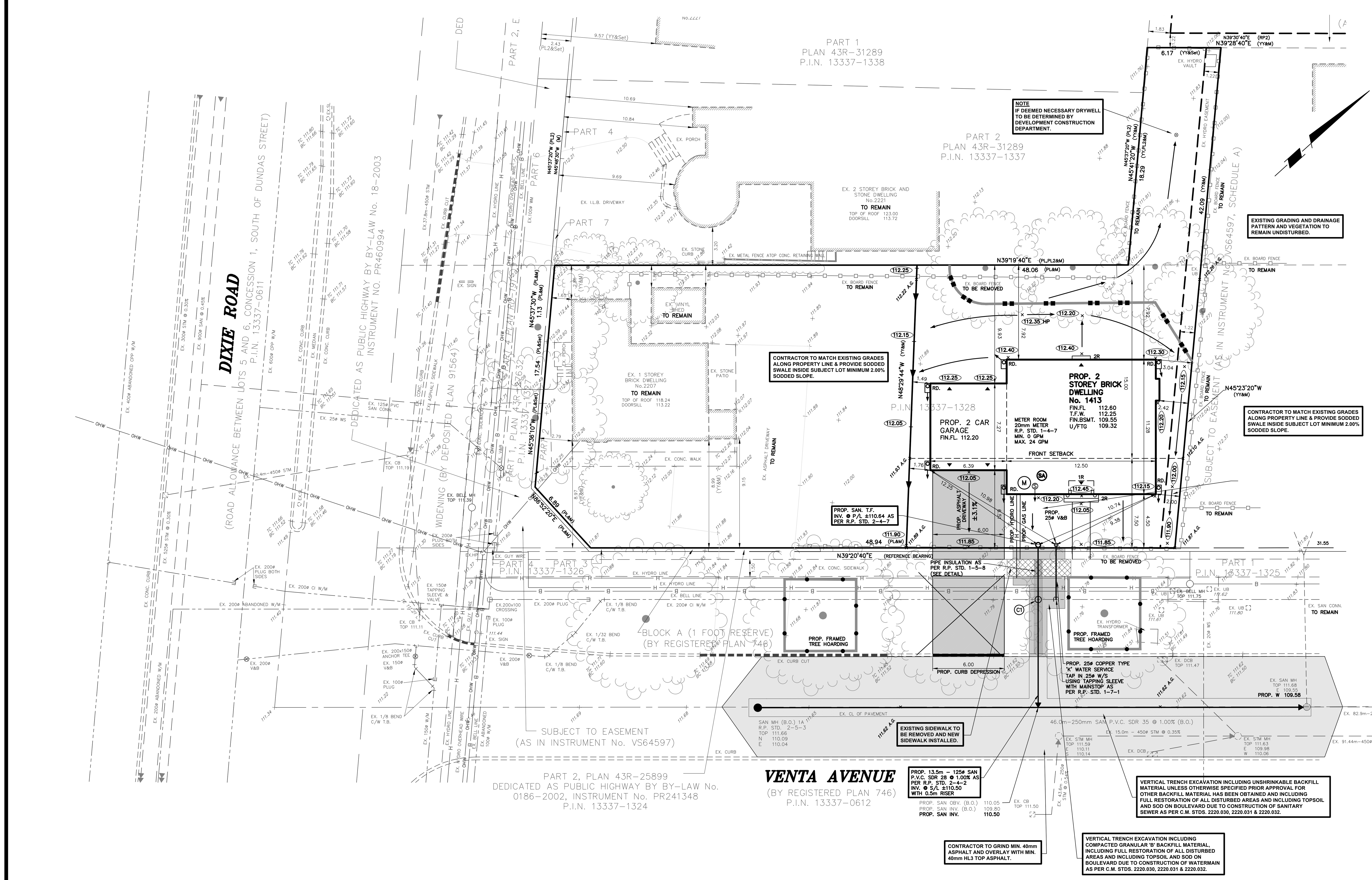
Above: Possible Former Coal Chute (?)

Below: Possible Coal Cellar Hatch with Wood Infill in Basement

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 10, 2019

View to North: View of Abandoned Filler Pipe on South Side of House (July 10, 2019)

Appendix F: Proposed Residential Building Plan



ROADS

1. ALL FILL WITHIN ROAD ALLOWANCE AND EASEMENTS TO BE COMPACTED TO MIN **95%** STANDARD PROCTOR DENSITY. THE SUITABILITY AND COMPACTION OF ALL FILL MATERIALS TO BE CONFIRMED BY A RECOGNIZED SOIL CONSULTANT TO THE CITY ENGINEER AND THE SUBGRADE OF ALL ROADWAYS SHALL BE PROOF ROLLED UNDER THE SUPERVISION OF THE SOILS CONSULTANT PRIOR TO THE INSTALLATION OF ANY ROAD BASE MATERIALS.
2. THE DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO AND DURING CONSTRUCTION. LOCATION OF EXISTING UTILITIES, WATERMAINS, SEWERS AND OTHER UNDERGROUND OR ABOVEGROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS. PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR MUST EXAMINE THE ACCURACY OF SUCH EXISTING UTILITIES AND STRUCTURES WHETHER SHOWN OR NOT AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM. ANY DISCREPANCIES TO LOCATION OF EXISTING WATERMAINS AND SEWERS TO BE RECTIFIED AT DEVELOPER/ CONTRACTOR'S EXPENSE.
3. THE DEVELOPER/CONTRACTOR MUST ENSURE THAT A SUBGRADE CERTIFICATE IS ISSUED BY THE GEOTECHNICAL SOILS CONSULTANT TO THE ENGINEER. ONLY UPON VERIFICATION AND APPROVAL OF THE SUBGRADE BY THE LOCAL AUTHORITY INSPECTION DEPARTMENT WILL COMMENCEMENT OF ANY ROAD BASE MATERIALS BE PLACED. FAILURE TO FOLLOW THIS PROCEDURE WILL MEAN THE REMOVAL OF ROAD BASE MATERIALS AND/OR ADDITIONAL TESTING THAT PROPER COMPACTION HAS BEEN ACHIEVED AT THE SUBGRADE AT DEVELOPER/CONTRACTOR'S EXPENSE.
4. TRENCH BACKFILLING ON PROPOSED ROADS SHALL COMPLY WITH CITY OF MISSISSAUGA **SECTION 4.02.06** - (TRENCH BACKFILLING ON ROADS) AS PROVIDED IN THE CITY'S DEVELOPMENT REQUIREMENT MANUAL.
   a) THE TOP **1000mm** OF THE SUBGRADE IS TO BE COMPACTED TO A MINIMUM **98%** OF SPD WITHIN **2%** OF THE OPTIMUM MOISTURE CONTENT.
5. ALL CONNECTIONS WITHIN PAVED PORTION OF ANY EXISTING ROAD TO BE BACKFILLED WITH UNSHRINKABLE BACKFILL MATERIAL AS PER **C.M. STDS. 2220.030, 2220.031 AND 2220.032**, UNLESS OTHERWISE SPECIFIED PRIOR APPROVAL FOR OTHER BACKFILL MATERIAL HAS BEEN OBTAINED.
6. ALL OTHER EXCAVATIONS WITHIN EXISTING ROAD ALLOWANCE SHALL BE BACKFILLED TO SUBGRADE ELEVATION WITH GRANULAR 'C' MATERIAL AND COMPACTED TO A MINIMUM OF **95%** STANDARD PROCTOR DENSITY. SURFACE RESTORATION SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITION IN ACCORDANCE WITH **O.P.S.S. 507**
7. CURB TO BE AS PER **O.P.S.D. 600.040** UNLESS OTHERWISE NOTED.
8. SUBDRAIN UNDERNEATH ALL CURBS TO BE MINIMUM **100dia.** AS PER **C.M. STDS. 2220.040 AND 2220.05** AND ON EXISTING ROADS.
9. ALL DISTURBED AREAS WITHIN EXISTING ROAD ALLOWANCE TO BE REINSTATED WITH TOPSOIL AND SOD TO THE SATISFACTION OF CITY OF MISSISSAUGA.

CONNECTIONS

1. **SANITARY:** A) **SINGLE AND DOUBLE MIN. 125mm DIA** PVC SDR-28.
   B) CONNECTIONS TO SEWER TO BE MADE WITH MANUFACTURED TEE OR WYE WHERE APPLICABLE AND SHALL BE COLOUR CODED AS **NON-WHITE**, OR AS PER **C.M. STDS. 2115.050 & R.P. STDS. 2-4-1 TO 2-4-4.**
   C) SANITARY SERVICE SHALL BE **LOWER** THAN AND TO THE **RIGHT** OF THE STORM SERVICE AT THE PROPERTY LINE WHEN FACING THE LOT FROM THE STREET.
   D) SERVICE CONNECTION TO LOT LINE SHALL BE VISIBLY MARKED BY A 1.8m - 50mm x 100mm WOOD STAKE BURIED 1.0m AND PAINTED **RED**.
2. **WATER:** A) SERVICE CONNECTIONS TO BE **25mm DIA TYPE 'K' SOFT COPPER** TUBING UNLESS OTHERWISE NOTED AND AS PER **R.P. STD. 1-7-1 & C.M. STDS. 2115.010 TO 2115.040.**
   B) SERVICE CONNECTION TO BE VISIBLY MARKED BY 1.8m - 50mm x 100mm WOOD STAKE BURIED 1.0m AND PAINTED **BLUE**.

SUMP PUMP DISCHARGE WILL BE MANAGED WITHIN THE SITE WITHOUT A DETRIMENTAL EFFECT TO ADJOINING LANDS INCLUDING CITY DITCHES.

FOUNDATION DRAINS TO HAVE SUMP PUMP FITTED WITH BACKWATER VALVE AND DISCHARGE ONTO THE SURFACE AND DIRECTED TOWARDS THE ROAD.

WORKS IN THE MUNICIPAL RIGHT - OF - WAY BEING PERFORMED BY THE CITY'S CONTRACTOR WILL REQUIRE 4 TO 6 WEEKS NOTICE PRIOR TO COMMENCEMENT OF CONSTRUCTION AFTER ALL DRAWINGS HAVE BEEN APPROVED AND SECURITIES HAVE BEEN RECEIVED.

IF A SEPTIC SYSTEM IS DISCOVERED ON SITE IT WILL BE DECOMMISSIONED AND REMOVED ACCORDING TO ALL APPLICABLE GUIDELINES AND REGULATIONS.

NOTES:
IF A WELL IS DISCOVERED, THE WELL MUST BE DECOMMISSIONED IN ACCORDANCE WITH THE ONTARIO WATER RESOURCES ACT REGULATION 903 (FORMERLY 612/64) AND ANY OTHER APPLICABLE REGULATIONS AND GUIDELINES.

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR IS TO REFER TO THE TREE PRESERVATION PLAN PREPARED BY THE LANDSCAPE ARCHITECT.

PRIOR TO ANY CONSTRUCTION, THE BUILDER IS TO CONFIRM WITH ARCHITECT OR THE OWNER, THAT THE PROPOSED FINISHED FLOOR, BASEMENT FLOOR AND TOP OF WALL ELEVATIONS ARE IN CONFORMITY WITH THE ARCHITECTURAL DRAWINGS.

THE CONTRACTOR/BUILDER IS RESPONSIBLE FOR CONFIRMING ALL ABOVEGROUND AND UNDERGROUND UTILITY LOCATIONS AND IS TO IMMEDIATELY ADVISE THE ENGINEER OF ANY DISCREPANCIES.

SURVEY NOTE:
INFORMATION FOR THIS SITE PLAN WAS TAKEN IN PART FROM PLAN OF SURVEY, PART OF LOT 5 REG. PLAN 43R-31289, SOUTH OF DUNDAS STREET CITY OF MISSISSAUGA AND PREPARED BY YOUNG & YOUNG (ETOBICOKE 2006) INC. ONTARIO LAND SURVEYORS, NOVEMBER 3, 2016.

PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR MUST VERIFY THE EXISTING SANITARY,STORM SEWER AND WATERMAIN ELEVATION AND LOCATION AND ADVISE THE ENGINEER OF ANY DISCREPANCIES.

THE APPLICANT WILL BE REQUIRED TO CONTACT ALL UTILITY COMPANIES TO OBTAIN ALL REQUIRED LOCATES PRIOR TO THE INSTALLATION OF HOARDING WITHIN MUNICIPAL RIGHT-OF-WAY.

ALL ROOF DOWNSPOUTS FROM EAVESTROUGH ARE TO DISCHARGE ONTO THE SURFACE VIA CONCRETE SPLASH PADS AND THE RUNOFF DIRECTED TOWARDS THE REAR WHERE POSSIBLE AND TO THE ROAD.

NOTE:
FOR ADDITIONAL INFORMATION, DETAILS, DIMENSIONS AND CONFORMITY TO THE SITE PLAN, THE CONTRACTOR MUST REFER TO THE ARCHITECTURAL SITE PLAN.

ALL INTERNAL EXISTING SERVICES AND APPURTENANCES NOT UTILIZED FOR SERVICING OF THIS PROJECT ARE TO BE REMOVED OFF SITE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

INFORMATION SHOWN HEREON REGARDING THE SIZE AND LOCATION OF EXISTING SERVICES AND/OR UTILITIES IS FURNISHED AS THE BEST AVAILABLE INFORMATION AND SHALL BE INTERPRETED AS THE CONTRACTOR SEES FIT WITH THE UNDERSTANDING THAT THE OWNER DISCLAIMS ALL RESPONSIBILITY FOR ITS SUFFICIENCY AND/OR ACCURACY.

SLOPE OF SANITARY LATERAL MUST BE BETWEEN 1% AND 2% AS PER REGION OF PEEL STANDARDS.

NOTE TO CONTRACTOR:

1. **LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.**
2. **THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF HIS WORK. WHETHER SHOWN ON THE PLANS OR NOT, AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.**
3. **THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.**

GENERAL NOTES

1. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS. IF ANY DISCREPANCIES, THEY MUST BE REPORTED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREETLINES MUST BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
3. ALL CONNECTIONS SHALL BE INSTALLED AS PER MUNICIPAL STANDARDS AND SPECIFICATIONS.
4. BUILDER IS TO VERIFY TO THE ENGINEER THAT THE FINAL FOOTING ELEVATION AND TOP OF FOUNDATION WALL ELEVATION ARE IN CONFORMITY WITH THE BUILDING CODE AND THE CERTIFIED GRADING PLAN PRIOR TO PROCEEDING.
5. THE ELEVATION OF THE SIDE SWALE AT THE BUILDING LINE SHALL BE A MINIMUM OF **150mm** BELOW THE BUILDING LINE AT THE CENTRE OF THE SWALE.
6. OUTSIDE FINISHED GRADE TO BE A MINIMUM OF **150mm** BELOW BRICK VENEER ELEVATION.
7. PRIOR TO ANY SODDING, THE BUILDER IS TO ENSURE TO THE SOILS CONSULTANT AND/OR THE ENGINEER THAT THE LOT HAS BEEN GRADED AND TOPSOILED AND SODDED COMPLETELY WITH A MINIMUM DEPTH OF **100mm** OF TOPSOIL AND **NO 1.** NURSERY SOD AND A MINIMUM DEPTH OF **150mm** OF CRUSHED STONE TO BE PROVIDED ON THE ENTIRE LENGTH OF EACH DRIVEWAY ON A FIRM SUBGRADE AND THE DRIVEWAY TO BE PAVED WITH A MINIMUM COMPACTED DEPTH OF **75mm** OF ASPHALT BETWEEN THE CURB AND THE GARAGE.
8. NO SODDING ON ANY LOTS IS PERMITTED UNTIL PRELIMINARY INSPECTION IS DONE BY THE ENGINEER AND THE BUILDER.
9. THE DRIVEWAY GRADE WILL BE COMPATIBLE WITH THE EXISTING OR FUTURE SIDEWALK AND CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.
10. DRIVEWAY GRADES SHOULD NOT BE LESS THAN **2.0%** AND NOT GREATER THAN **8%**.
11. LAWN AND SWALES SHALL HAVE A MINIMUM SLOPE OF **1.5%** (PREFERRED 2%) AND A MAXIMUM SLOPE OF **6%**.
12. WHERE GRADES IN EXCESS OF **6%** ARE REQUIRED, THE MAXIMUM SLOPE SHALL BE **3:1** GRADE CHANGES IN EXCESS OF **1.0m** ARE TO BE ACCOMPLISHED BY USE OF A RETAINING WALL. RETAINING WALLS HIGHER THAN 0.6m SHALL HAVE A FENCE INSTALLED ON THE HIGH SIDE.
13. ALL BACKFILL FOR SEWERS, WATERMAINS AND UTILITIES ON THE ROAD ALLOWANCE AND THE INTERNAL SITE MUST BE COMPACTED TO MINIMUM **95%** S.P.D. EXCEPT FOR TOP 300mm WHICH MUST BE COMPACTED TO **98%** S.P.D. ON THE ROAD ALLOWANCE UNLESS OTHERWISE NOTED AND UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL SOILS CONSULTANT.
14. THE SERVICE CONNECTION TRENCH WITHIN THE TRAVELLED PORTION OF THE ROAD ALLOWANCE SHALL BE BACKFILLED WITH UNSHRINKABLE BACKFILL MATERIAL AS PER **C.M. STDS. 2220.030, 2220.031 AND 2220.032** UNLESS OTHERWISE SPECIFIED PRIOR APPROVAL FOR OTHER BACKFILL MATERIAL HAS BEEN OBTAINED.
15. ALL WATERMAINS AND WATER SERVICE MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT MUNICIPAL STANDARDS & SPECIFICATIONS.
16. SEDIMENT CONTROL FENCE TO BE INSTALLED AS PER **C.M. STD. 2940.010.**

SANITARY SEWERS

1. ALL SANITARY SEWER MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT REGION OF PEEL STD. & SPEC.
2. SANITARY CONNECTIONS **150dia**. AND LESS TO BE **PVC SDR-28.**
3. SANITARY SEWERS AND CONNECTIONS **200dia**. AND LARGER TO BE **PVC SDR-35** ASTM D3034-81 WITH TYPE 'B' BEDDING THROUGHOUT EXCEPT AT RISERS, UNLESS OTHERWISE NOTED.
4. ALL MANHOLES TO BE **R.P. STD 2-5-3**, UNLESS OTHERWISE NOTED.

WATERMAINS

1. ALL MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO THE CURRENT PEEL PUBLIC WORKS STANDARDS AND SPECIFICATIONS.
2. WATERMAIN AND/OR WATER SERVICE MATERIALS **100dia**. AND LARGER MUST BE P.V.C. DR-18 TO AWWA SPEC C900, SIZE **50dia**. AND SMALLER MUST BE **SOFT COPPER TYPE 'K' SPEC. ASTM-B88-49**.
3. WATERMAINS AND/OR WATER SERVICES ARE TO HAVE A MIN. DEPTH OF **1.7m** WITH A MIN. HORIZONTAL SPACING OF **1.2m** FROM THEMSELVES AND OTHER UTILITIES.
4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50dia OUTLET ON 100dia. AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO A PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100dia MINIMUM ON A HYDRANT.
5. ALL CURB STOPS TO BE **3.0m** OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE SET TO **R.P. STD. 1-6-1.** DIMENSION A AND B, 0.70m AND 0.90m AND TO HAVE PUMPER NOZZLE.
7. WATERMAINS TO BE INSTALLED TO GRADE AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
8. WATERMAIN MUST HAVE A MIN. VERTICAL CLEARANCE OF **0.30m OVER** OR **0.50m UNDER** SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
10. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
11. MECHANICAL RESTRAINTS MUST BE INSTALLED ON ALL BENDS, TEES AND REDUCERS.
12. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
13. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK. WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
14. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, THE BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO THE REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.
15. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.

C.M. BENCHMARK No. 351 **ELEVATION: 108.675m**

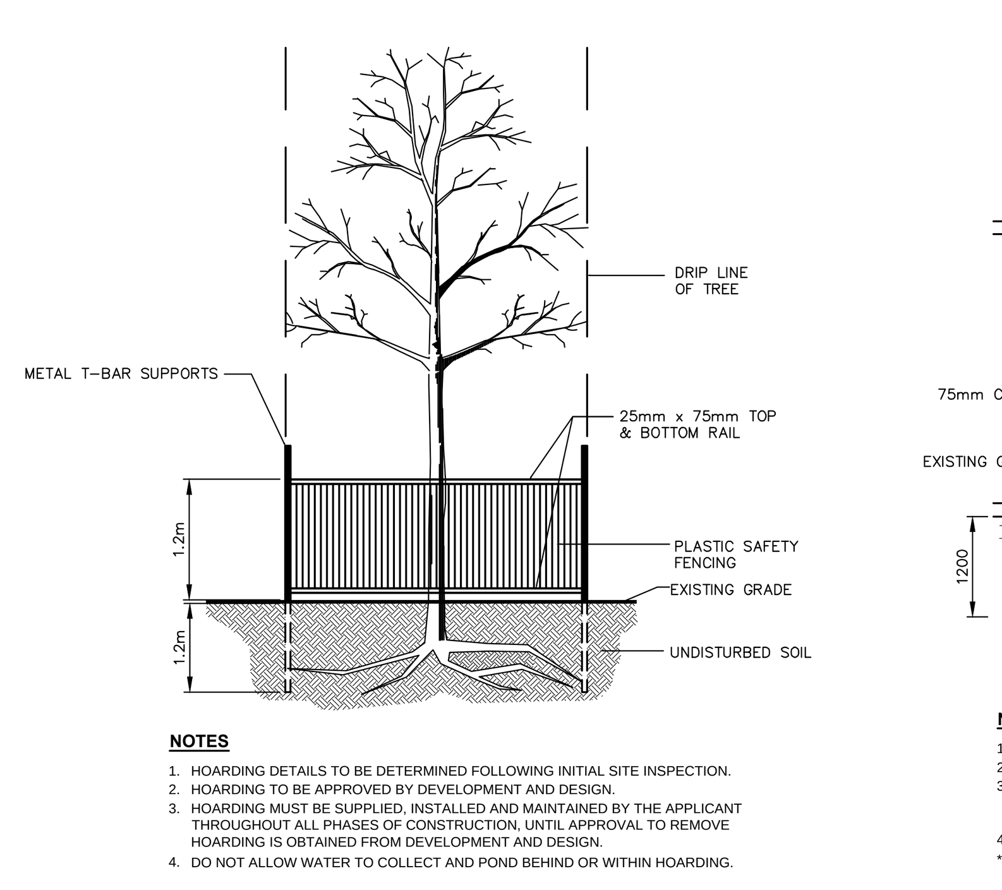
DESCRIPTION: ON THE EAST FACE OF THE MAIN ENTRANCE OF APPLEWOOD PUBLIC SCHOOL ON THE WEST SIDE OF HARVEST DRIVE 30.48m SOUTH OF KENDALL ROAD.

PRIOR TO CONSTRUCTION TAKING PLACE, ALL REQUIRED HOARDING IN ACCORDANCE WITH THE ONTARIO OCCUPATIONAL HEALTH & SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECT MUST BE ERECTED AND THEN MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.

HOARDING MUST BE INSPECTED PRIOR TO REMOVAL OF ANY TREE PROTECTION HOARDING FROM THE SITE

NOTES

1. **THE APPLICANT WILL BE REQUIRED TO CONTACT ALL UTILITY COMPANIES TO OBTAIN ALL REQUIRED LOCATES PRIOR TO THE INSTALLATION OF HOARDING WITHIN THE MUNICIPAL RIGHT OF-WAY.**
2. **SNOW FENCING / HOARDING ADJACENT TO ALL EXISTING PROPERTIES MUST BE ERECTED AND MAINTAINED TROUGHOUT ALL PHASES OF CONSTRUCTION.**

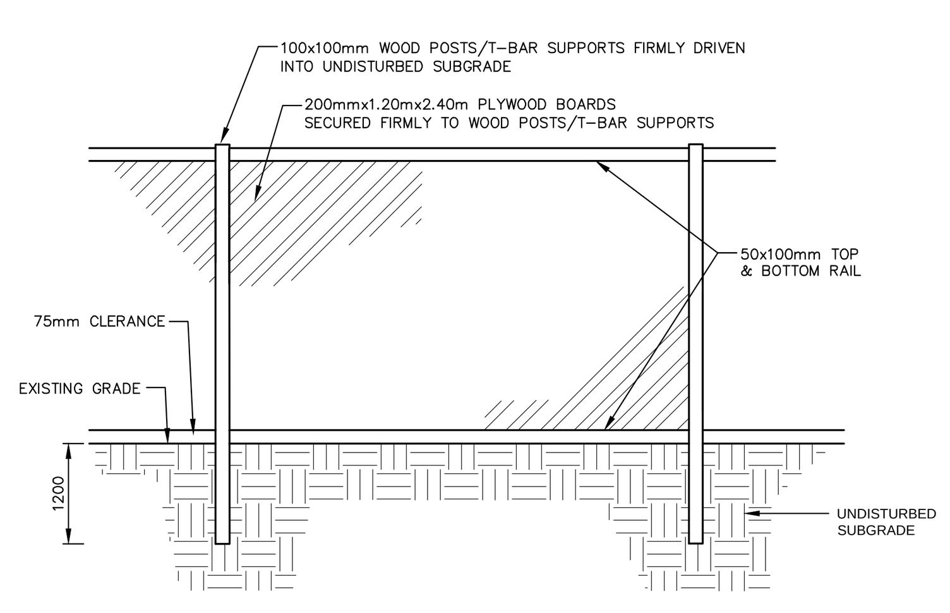


NOTES

1. HOARDING DETAILS TO BE DETERMINED FOLLOWING INITIAL SITE INSPECTION.
2. HOARDING TO BE APPROVED BY DEVELOPMENT AND DESIGN.
3. HOARDING MUST BE SUPPLIED, INSTALLED AND MAINTAINED BY THE APPLICANT THROUGHOUT ALL PHASES OF CONSTRUCTION, UNTIL APPROVAL TO REMOVE HOARDING IS OBTAINED FROM DEVELOPMENT AND DESIGN.
4. DO NOT ALLOW WATER TO COLLECT AND POND BEHIND OR WITHIN HOARDING.

FRAMED TREE HOARDING

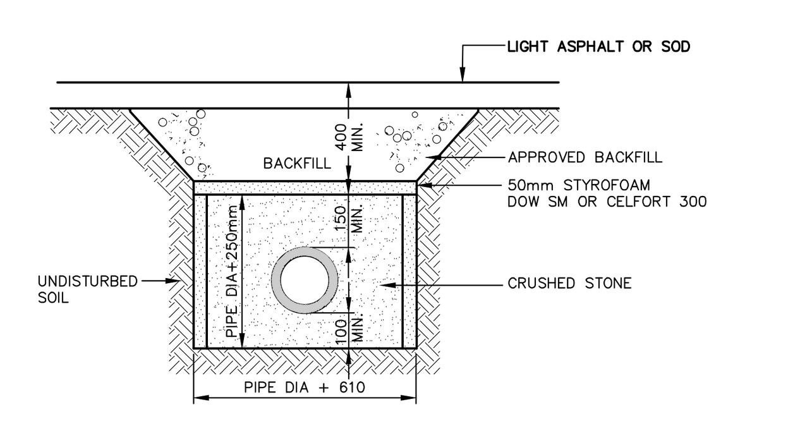
N.T.S.



NOTES

1. HOARDING DETAILS TO BE DETERMINED FOLLOWING INITIAL SITE INSPECTION.
2. HOARDING TO BE APPROVED BY DEVELOPMENT AND DESIGN.
3. HOARDING MUST BE SUPPLIED, INSTALLED AND MAINTAINED BY THE APPLICANT THROUGHOUT ALL PHASES OF CONSTRUCTION, UNTIL APPROVAL TO REMOVE HOARDING IS OBTAINED FROM DEVELOPMENT AND DESIGN.
4. DO NOT ALLOW WATER TO COLLECT AND POND BEHIND OR WITHIN HOARDING.
* T-BAR SUPPORTS FOR SOLID HOARDING WILL ONLY BE ALLOWED WITH PRE APPROVAL FROM DEVELOPMENT AND DESIGN.
5. OSB/CHIPBOARD WILL NOT BE ACCEPTED FOR SOLID HOARDING.

SOLID BOARD HOARDING



PIPE INSULATION DETAIL FOR FROST PROTECTION

N.T.S.

CROSSINGS

C1	SAN INV	110.59
	WM OBV	110.08

LEGEND

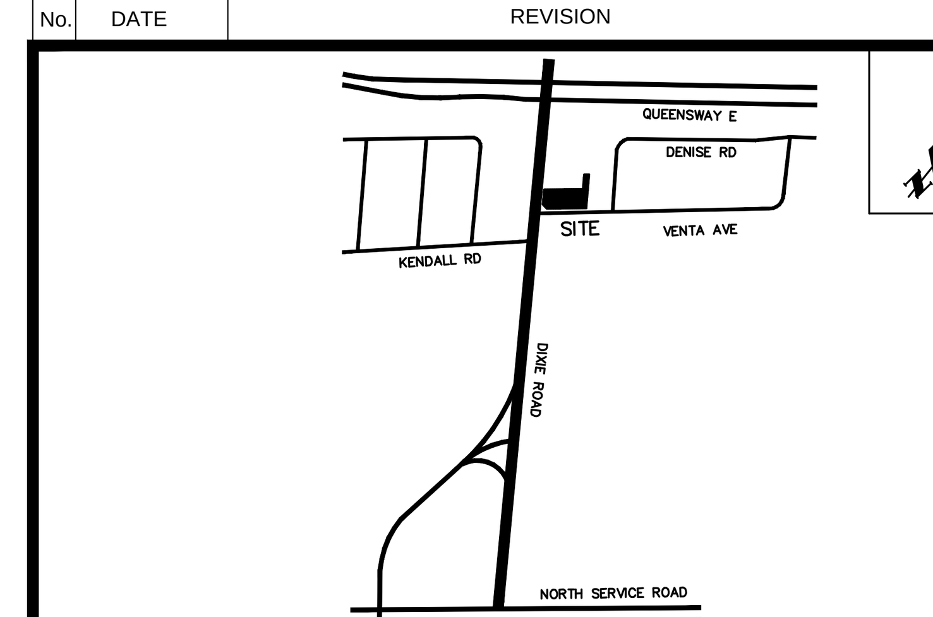
- ×(000.00) - EXISTING ELEVATION TO REMAIN
- × 000.00 - EXISTING ELEVATION
- DIRECTION OF SURFACE FLOW
- ×(000.00) - PROPOSED ELEVATION
- PROPOSED CATCHBASIN
- PROPOSED CATCHBASIN WITH TEMPORARY SEDIMENT CONTROL
- EXISTING TREE TO REMAIN
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE RELOCATED
- (S) - SUMP PUMP
- (H) - HYDRO METER
- (G) - GAS METER
- (SA) - SANITARY SEWAGE EJECTOR
- (M) - METER ROOM
- RD. - ROOF DOWNSPOUTS
- AD - AREA DRAIN
- SEDIMENT CONTROL FENCE
- TREE HOARDING
- FRAMED TREE HOARDING
- SOLID PLYWOOD HOARDING
- G - PROPOSED GAS MAIN
- H - PROPOSED HYDRO

SITE DATA

	PART OF LOT 5
HOUSE No.	2207
ZONING BY LAW 0225-07	R3-75
LOT TYPE	INTERIOR
LOT AREA	660.36 m²
LOT FRONTAGE	22.50 m
FRONTAGE AT 7.5m	22.90 m
MAX. LOT COVERAGE	35 %
PROP. LOT COVERAGE	32.5 % (183.6 m²)
MAXIMUM GROSS FLOOR AREA	322.07 m²
PROPOSED GROSS FLOOR AREA	320.50 m²

AVERAGE GRADE CALCULATION	ELEVATION		
LOCATION	L - LEFT SIDE OF HOUSE	R - RIGHT SIDE OF HOUSE	AVERAGE
C/L OF ROAD (along the side lot lines)	111.62	111.62	111.62
STREET LINE	111.89	111.87	111.88
6.0m OFFSET FROM STREET LINE	111.93	112.10	112.02
15.0m OFFSET FROM 6.0m FRONTAGE	112.22	112.26	112.24
AVERAGE GRADE ELEVATION			**111.94**

No.	DATE	REVISION	INIT.
3.	JULY 18/17	REVISED AS PER ARCHITECT COMMENTS - LOWERED HOME	M.K.
2.	JUNE 16/17	REVISED AS PER REGION COMMENTS	M.K.
1.	MAY 25/17	REVISED AS PER REGION COMMENTS	M.K.



KEY PLAN N.T.S.

SKIRA & ASSOCIATES LTD.
CONSULTING ENGINEERS
3464 Semenyk Court, Suite 100, Mississauga, Ontario L5C 4P8
Tel. (905) 276-5100 Fax. (905) 270-1936 Email - info@skiraconsult.ca

PROPOSED RESIDENTIAL BUILDING

PART OF LOT 5, CONCESSION 1 REGISTERED PLAN 746

1413 VENTA AVENUE

JULIEN DI CIANO

200 RONSON DRIVE, SUITE 101, ETOBICOKE, ON, M9W 5Z9 TEL: 416-749-9954 EXT. 259

MISSISSAUGA

SITE GRADING AND SERVICING PLAN

DATE: MARCH 2017	AREA: Z-12	DWG.No. C101
SCALE: 1:200	DRAWN BY: M.K.	
CITY FILE: C.A. 'B' 015/17 (W1) C.A. 'A' 093/17 (W1)	REGION FILE: C-600278	PROJECT No. 217-M23 SP

Appendix G: Ecolog ERIS Report (2019)

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Single Detached Residence* *2207 Dixie Road* *Mississauga ON L4Y 1Z8*
Project No:	*19*4588*
Report Type:	*Standard Report*
Order No:	*20190508036*
Requested by:	*Bruce A. Brown Associates Limited*
Date Completed:	*May 13, 2019*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Single Detached Residence* *2207 Dixie Road Mississauga ON L4Y 1Z8*
Project No:	*19*4588*

Coordinates:

Latitude:	*43.602204*
Longitude:	*-79.573272*
UTM Northing:	*4,828,680.88*
UTM Easting:	*615,148.71*
UTM Zone:	*UTM Zone 17T*

Elevation: *360 FT*
109.85 M

Order Information:

Order No:	*20190508036*
Date Requested:	*May 8, 2019*
Requested by:	*Bruce A. Brown Associates Limited*
Report Type:	*Standard Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	10	10
CA	Certificates of Approval	Y	0	4	4
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
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 TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	14	14
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
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	2	2
PINC	TSSA Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	3	3
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	13	13
	Total:		0	50	50

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	ECA	Fountain Hill Construction and Consulting Ltd.	1413 Venta Ave (Part of Lot 5, Concession 1) Mississauga ON M8Z 4R9	ESE/25.3	0.00	20
2	CA	CORAL BRENNAUER	DIXIE RD/VENTA AVENUE MISSISSAUGA CITY ON	S/38.4	0.00	20
2	CA	CORAL BRENNAUER	DIXIE RD/VENTA AVENUE MISSISSAUGA CITY ON	S/38.4	0.00	20
3	WWIS		Mississauga ON ***Well ID:*** 7285144	W/54.8	0.00	21
4	BORE		ON	S/68.2	0.00	22
5	BORE		ON	NNW/70.7	0.00	23
6	GEN	CMLHealthCare	2200 Dixie Road Mississauga ON L4Y 1Z4	S/72.6	0.00	24
6	GEN	Dixe Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	S/72.6	0.00	24
6	GEN	CMLHealthCare	2200 Dixie Road Mississauga ON L4Y 1Z4	S/72.6	0.00	24
6	GEN	CMLHealthCare	2200 Dixie Road Mississauga ON L4Y 1Z4	S/72.6	0.00	24
6	GEN	Dixe Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	S/72.6	0.00	25
6	GEN	Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	S/72.6	0.00	25

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	PES	L AND M STEVENS GARDEN CENTRE	2195 DIXIE RD MISSISSAUGA ON L4Y 1Z1	ESE/74.5	0.00	25
7	PES	L AND M STEVENS GARDEN CENTRE	2195 DIXIE RD MISSISSAUGA ON L4Y1Z1	ESE/74.5	0.00	26
8	GEN	Dixie Road Medical Associates	2200 Dixie Road Mississauga ON	SSW/77.6	0.00	26
8	GEN	Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW/77.6	0.00	26
8	GEN	Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW/77.6	0.00	26
8	GEN	Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW/77.6	0.00	27
8	GEN	Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW/77.6	0.00	27
9	WWIS		ON ***Well ID:*** 7126165	NW/90.4	0.00	27
10	BORE		ON	NW/126.6	0.00	29
11	WWIS		Mississauga ON ***Well ID:*** 7136678	W/130.3	0.00	30
12	BORE		ON	N/134.5	-0.29	39
13	WWIS		MISSISSAUGA ON ***Well ID:*** 7186909	NNW/136.8	-0.69	40
14	WWIS		MISSISSAUGA ON	NNW/137.2	-0.69	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7186908			
14	WWIS		MISSISSAUGA ON ***Well ID:*** 7186906	NNW/137.2	-0.69	43
15	WWIS		MISSISSAUGA ON ***Well ID:*** 7186907	NNW/137.6	-0.69	45
16	BORE		ON	WNW/147.7	0.00	47
17	GEN	MINISTRY OF THE ENVIRONMENT AND ENERGY	DIXIE-QUEENSWAY SOIL REPLACEMENT PROJEC MISSISSAUGA C/O 7 OVERLEA BLVD. TORONTO ON M4H 1A8	WNW/155.0	0.00	48
17	GEN	MINISTRY OF THE ENVIRONMENT 25-694	DIXIE-QUEENSWAY SOIL REPLACEMENT PROJEC MISSISSAUGA C/O 7 OVERLEA BLVD. TORONTO ON M4H 1A8	WNW/155.0	0.00	48
18	BORE		ON	SSW/157.6	0.00	48
19	BORE		ON	NNW/165.5	-1.15	49
20	BORE		ON	NNE/171.3	-1.00	50
21	WWIS		Mississauga ON ***Well ID:*** 7144069	WNW/182.8	0.00	50
22	WWIS		ON ***Well ID:*** 7291403	SSE/200.6	0.00	53
23	CA	AUTOMATIC PERFORMANCE TRANSMISSION INC.	2276 DIXIE ROAD MISSISSAUGA CITY ON L4Y 1Z4	WNW/205.5	0.00	55
23	EHS		2276 Dixie Rd Mississauga ON L4Y 1Z4	WNW/205.5	0.00	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
23	GEN	APT AUTOMATIC PERFORMANCE	2276 DIXIE ROAD MISSISSAUGA ON L4Y 1Z4	WNW/205.5	0.00	55
23	SCT	Automatic Performance Inc.	2276 Dixie Rd Mississauga ON L4Y 1Z4	WNW/205.5	0.00	56
23	SCT	AUTOMATIC PERFORMANCE TRANSMIS	2276 DIXIE RD UNIT A MISSISSAUGA ON L4Y 1Z4	WNW/205.5	0.00	56
24	CA	R.M. OF PEEL	PRIMATE RD./DIXIE RD./WEALTHY MISSISSAUGA CITY ON	SE/208.8	0.00	56
24	SPL	The Regional Municipality of Peel	Dixie Rd. and Primate Rd. Mississauga ON	SE/208.8	0.00	57
25	BORE		ON	N/212.1	-1.00	57
26	WWIS		Mississauga ON ***Well ID:*** 7235321	WNW/232.6	0.00	58
27	WWIS		ON ***Well ID:*** 7194111	N/233.4	-1.00	60
28	SCT	DANISH FOOD CENTRE INC.	2290 DIXIE RD UNIT B MISSISSAUGA ON L4Y 1Z4	WNW/240.5	0.00	61
29	WWIS		ON ***Well ID:*** 7189025	NNW/244.9	-0.64	61
30	PINC		2292 DIXIE RD, MISSISSAUGA ON	WNW/248.1	0.00	62
31	BORE		ON	NNE/248.2	-1.00	62
32	WWIS		Mississauga ON ***Well ID:*** 7235322	WNW/249.6	0.00	63

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 10 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	S	68.25	4
	ON	NNW	70.72	5
	ON	NW	126.61	10
	ON	WNW	147.70	16
	ON	SSW	157.59	18

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	N	134.51	12
	ON	NNW	165.51	19
	ON	NNE	171.33	20
	ON	N	212.05	25

	ON	NNE	248.16	31

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 4 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
CORAL BRENNAUER	DIXIE RD/VENTA AVENUE MISSISSAUGA CITY ON	S	38.41	2
CORAL BRENNAUER	DIXIE RD/VENTA AVENUE MISSISSAUGA CITY ON	S	38.41	2
AUTOMATIC PERFORMANCE TRANSMISSION INC.	2276 DIXIE ROAD MISSISSAUGA CITY ON L4Y 1Z4	WNW	205.49	23
R.M. OF PEEL	PRIMATE RD./DIXIE RD./WEALTHY MISSISSAUGA CITY ON	SE	208.82	24

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 31, 2019 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Fountain Hill Construction and Consulting Ltd.	1413 Venta Ave (Part of Lot 5, Concession 1) Mississauga ON M8Z 4R9	ESE	25.25	1

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2019 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	2276 Dixie Rd Mississauga ON L4Y 1Z4	WNW	205.49	23

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Dec 31, 2018 has found that there are 14 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Dixe Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	S	72.62	6
CMLHealthCare	2200 Dixie Road Mississauga ON L4Y 1Z4	S	72.62	6
Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	S	72.62	6
CMLHealthCare	2200 Dixie Road Mississauga ON L4Y 1Z4	S	72.62	6
Dixe Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	S	72.62	6
CMLHealthCare	2200 Dixie Road Mississauga ON L4Y 1Z4	S	72.62	6
Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW	77.58	8
Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW	77.58	8
Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW	77.58	8
Dixie Road Medical Associates	2200 Dixie Road Mississauga ON	SSW	77.58	8

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Dixie Road Medical Associates	2200 Dixie Road Mississauga ON L4Y 1Z4	SSW	77.58	8
MINISTRY OF THE ENVIRONMENT 25-694	DIXIE-QUEENSWAY SOIL REPLACEMENT PROJEC MISSISSAUGA C/O 7 OVERLEA BLVD. TORONTO ON M4H 1A8	WNW	154.99	17
MINISTRY OF THE ENVIRONMENT AND ENERGY	DIXIE-QUEENSWAY SOIL REPLACEMENT PROJEC MISSISSAUGA C/O 7 OVERLEA BLVD. TORONTO ON M4H 1A8	WNW	154.99	17
APT AUTOMATIC PERFORMANCE	2276 DIXIE ROAD MISSISSAUGA ON L4Y 1Z4	WNW	205.49	23

PES - Pesticide Register

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
L AND M STEVENS GARDEN CENTRE	2195 DIXIE RD MISSISSAUGA ON L4Y 1Z1	ESE	74.54	7
L AND M STEVENS GARDEN CENTRE	2195 DIXIE RD MISSISSAUGA ON L4Y1Z1	ESE	74.54	7

PINC - TSSA Pipeline Incidents

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	2292 DIXIE RD, MISSISSAUGA ON	WNW	248.10	30

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
AUTOMATIC PERFORMANCE TRANSMIS	2276 DIXIE RD UNIT A MISSISSAUGA ON L4Y 1Z4	WNW	205.49	23
Automatic Performance Inc.	2276 Dixie Rd Mississauga ON L4Y 1Z4	WNW	205.49	23
DANISH FOOD CENTRE INC.	2290 DIXIE RD UNIT B MISSISSAUGA ON L4Y 1Z4	WNW	240.52	28

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2019 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
The Regional Municipality of Peel	Dixie Rd. and Primate Rd. Mississauga ON	SE	208.82	24

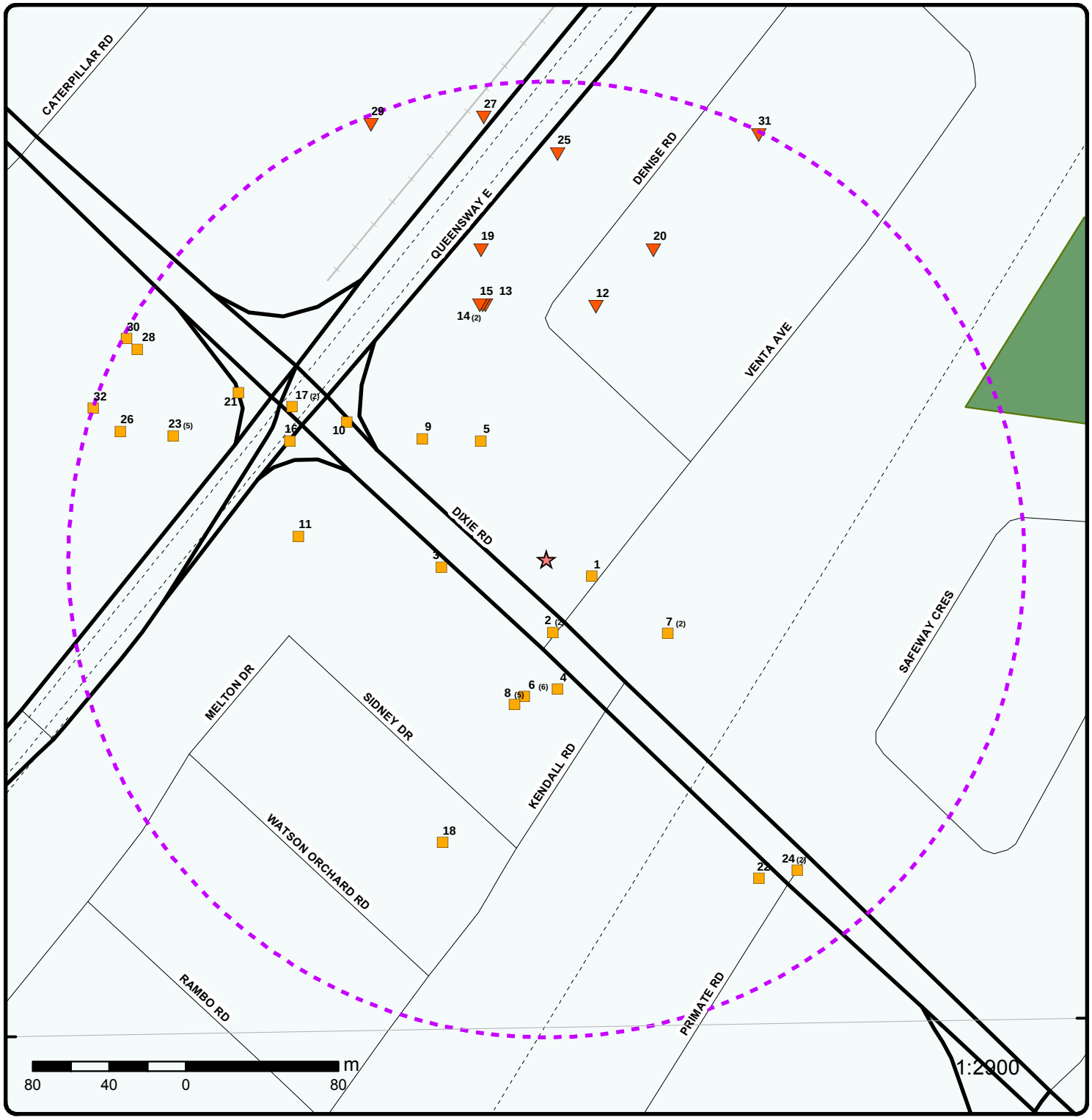
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 13 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Mississauga ON ***Well ID:*** 7285144	W	54.85	3
	ON ***Well ID:*** 7126165	NW	90.40	9
	Mississauga ON ***Well ID:*** 7136678	W	130.27	11

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Mississauga ON ***Well ID:*** 7144069	WNW	182.81	21
	ON ***Well ID:*** 7291403	SSE	200.58	22
	Mississauga ON ***Well ID:*** 7235321	WNW	232.60	26
	Mississauga ON ***Well ID:*** 7235322	WNW	249.58	32

Lower Elevation	Address	Direction	Distance (m)	Map Key
	MISSISSAUGA ON ***Well ID:*** 7186909	NNW	136.85	13
	MISSISSAUGA ON ***Well ID:*** 7186906	NNW	137.20	14
	MISSISSAUGA ON ***Well ID:*** 7186908	NNW	137.20	14
	MISSISSAUGA ON ***Well ID:*** 7186907	NNW	137.57	15
	ON ***Well ID:*** 7194111	N	233.38	27
	ON ***Well ID:*** 7189025	NNW	244.94	29



Map : 0.25 Kilometer Radius

Order No: 20190508036

Address: 2207 Dixie Road, Mississauga, ON, L4Y 1Z8

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation

- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road

- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line

- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

79°34'30"W

Aerial (2017)

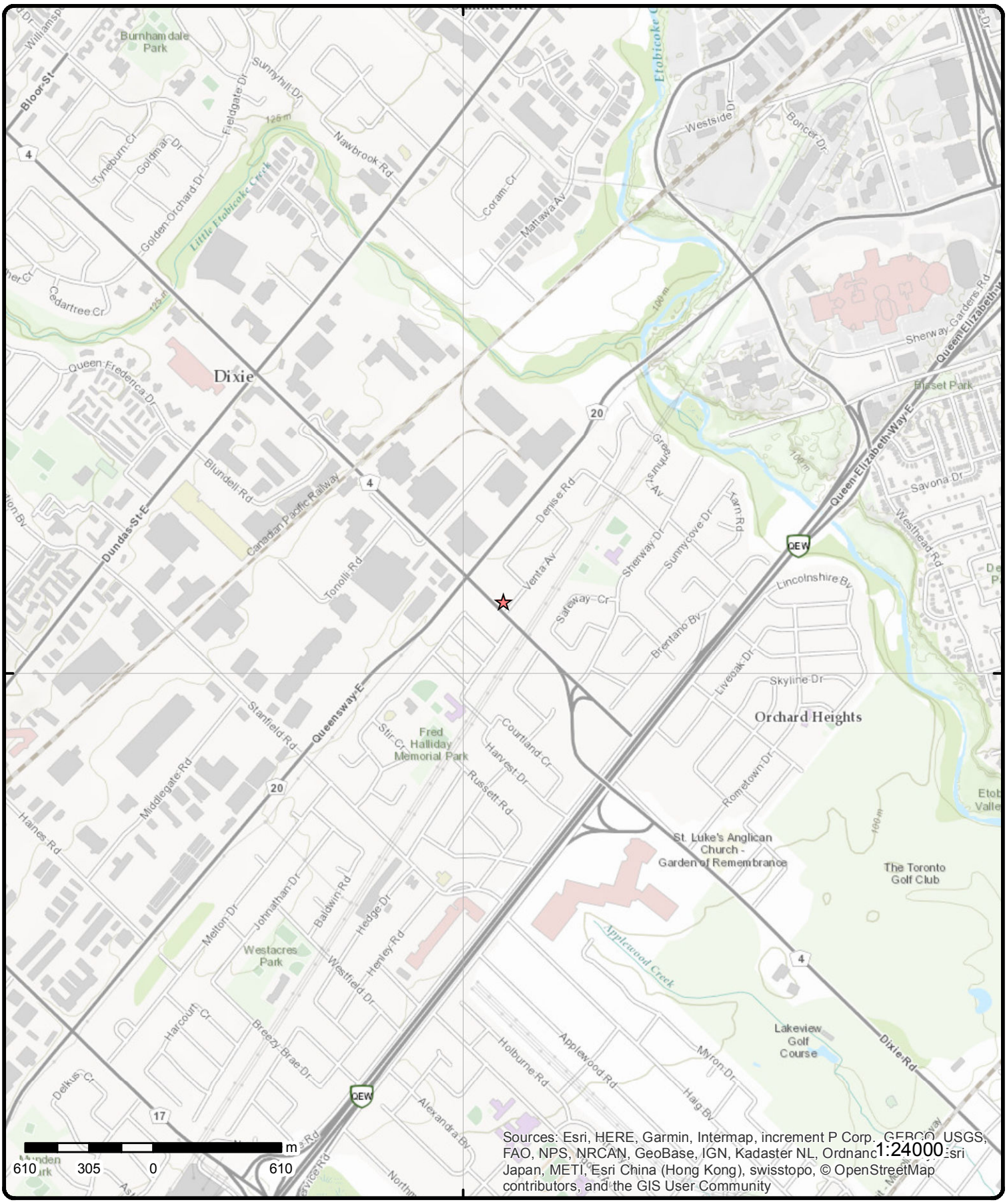
Address: 2207 Dixie Road, Mississauga, ON, L4Y 1Z8

Source: ESRI World Imagery

Order No: 20190508036

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

79°34'30"W



43°36'N

43°36'N

m
610 305 0 610

1:24000

Topographic Map

Address: 2207 Dixie Road, Mississauga, ON, L4Y 1Z8

Source: ESRI World Topographic Map

Order No: 20190508036

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ESE/25.3	109.8 / 0.00	Fountain Hill Construction and Consulting Ltd. 1413 Venta Ave (Part of Lot 5, Concession 1) Mississauga ON M8Z 4R9	ECA

Approval No: 8651-AQGMY9
Approval Date: 2017-08-23
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City: Mississauga
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 1413 Venta Ave (Part of Lot 5, Concession 1)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4289-AQFLDH-14.pdf

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 2	S/38.4	109.8 / 0.00	CORAL BRENNAUER DIXIE RD/VENTA AVENUE MISSISSAUGA CITY ON	CA

Certificate #: 7-0984-96-
Application Year: 96
Issue Date: 10/17/1996
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 2	S/38.4	109.8 / 0.00	CORAL BRENNAUER DIXIE RD/VENTA AVENUE MISSISSAUGA CITY ON	CA

Certificate #: 3-1214-96-
Application Year: 96
Issue Date: 10/17/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	W/54.8	109.8 / 0.00	Mississauga ON	WWIS

Well ID:	7285144	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	4/11/2017
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7148
Casing Material:		**Form Version:**	7
Audit No:	Z248065	**Owner:**	
Tag:		**Street Name:**	DIXIE RD / KENDAL RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006380997	**Elevation:**	111.81
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615094
Code OB Desc:		**North83:**	4828677
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01-MAR-17	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006659313
Layer:	
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 1006659318
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006659312
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006659316
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006659317
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006659315
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006659314
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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4 **1 of 1** **S/68.2** **109.8 / 0.00** **ON** **BORE**

Borehole ID: 648009 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status:**
Drill Method: Power auger **UTM Zone:** 17
Easting: 615155 **Northing:** 4828613

Location Accuracy:		**Orig. Ground Elev m:**	110
Elev. Reliability Note:		**DEM Ground Elev m:**	111
Total Depth m:	4.7	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1961	**Static Water Level:**	-999.9
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218521115	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	FILL,STONES.
Stratum ID:	218521116	**Top Depth(m):**	0.2
Bottom Depth(m):	1.8	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. BROWN,BEACH,DENSE, AGE POST-GLACIAL.
Stratum ID:	218521117	**Top Depth(m):**	1.8
Bottom Depth(m):	2.7	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. BROWN,BEACH,DENSE, AGE POST-GLACIAL.
Stratum ID:	218521118	**Top Depth(m):**	2.7
Bottom Depth(m):	3.8	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. GREY,BEACH,VERY DENSE, AGE GLACIAL.
Stratum ID:	218521119	**Top Depth(m):**	3.8
Bottom Depth(m):	4.6	**Stratum Desc:**	CLAY,SILT. GREY,LACUSTRINE,HARD, AGE GLACIAL.
Stratum ID:	218521120	**Top Depth(m):**	4.6
Bottom Depth(m):	4.7	**Stratum Desc:**	SHALE. GREY,MARINE,SOFT, AGE ORDOVICIAN. 00005030000600400009010000011

5 **1 of 1** **NNW/70.7** **109.8 / 0.00** **ON** **BORE**

Borehole ID:	641075	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615115	**Northing:**	4828743
Location Accuracy:		**Orig. Ground Elev m:**	114
Elev. Reliability Note:		**DEM Ground Elev m:**	112
Total Depth m:	1.1	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1967	**Static Water Level:**	-999.9
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218494696	**Top Depth(m):**	0.0
Bottom Depth(m):	0.0	**Stratum Desc:**	SOIL.
Stratum ID:	218494697	**Top Depth(m):**	0.0
Bottom Depth(m):	0.8	**Stratum Desc:**	CLAY,SILT. LACUSTRINE,HARD,AGE GLACIAL.
Stratum ID:	218494698	**Top Depth(m):**	0.8
Bottom Depth(m):	1.1	**Stratum Desc:**	SILT,SAND,CLAY. LACUSTRINE,AGE GLACIAL. COMPACT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	1 of 6	S/72.6	109.8 / 0.00	CMLHealthCare 2200 Dixie Road Mississauga ON L4Y 1Z4	GEN

Generator No: ON4303046
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 621510
SIC Description: Medical and Diagnostic Laboratories

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	2 of 6	S/72.6	109.8 / 0.00	Dixe Road Medical Associates 2200 Dixie Road Mississauga ON L4Y 1Z4	GEN

Generator No: ON7617887
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	3 of 6	S/72.6	109.8 / 0.00	CMLHealthCare 2200 Dixie Road Mississauga ON L4Y 1Z4	GEN

Generator No: ON4303046
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 621510
SIC Description: Medical and Diagnostic Laboratories

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	4 of 6	S/72.6	109.8 / 0.00	CMLHealthCare 2200 Dixie Road Mississauga ON L4Y 1Z4	GEN

Generator No: ON4303046
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:

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

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

SIC Code: 621510
SIC Description: Medical and Diagnostic Laboratories

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

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6 **5 of 6** **S/72.6** **109.8 / 0.00** **Dixe Road Medical Associates**
2200 Dixie Road
Mississauga ON L4Y 1Z4
GEN

Generator No: ON7617887
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

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

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6 **6 of 6** **S/72.6** **109.8 / 0.00** **Dixie Road Medical Associates**
2200 Dixie Road
Mississauga ON L4Y 1Z4
GEN

Generator No: ON7617887
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

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

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7 **1 of 2** **ESE/74.5** **109.8 / 0.00** **L AND M STEVENS GARDEN CENTRE**
2195 DIXIE RD
MISSISSAUGA ON L4Y 1Z1
PES

Billing No:
Trade Name:
Licence No:
Detail Licence No:
Licence Type Code:
Licence Type: Vendor
Licence Class:
Licence Control:
Operator No:
Operator Class:
Operator Type:
Operator Lot:
Oper Concession:
Operator Box:

Op Municipality:
Operator Region:
Operator District:
Operator County:
Oper Area Code:
Oper Phone No:
Operator Ext:
Region:
County:
District:
Lot:
Concession:
Post Office Box:
Report Source:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	2 of 2	ESE/74.5	109.8 / 0.00	L AND M STEVENS GARDEN CENTRE 2195 DIXIE RD MISSISSAUGA ON L4Y1Z1	PES

Billing No: 001959
Trade Name:
Licence No: 06439
Detail Licence No:
Licence Type Code: 21
Licence Type: Retail Vendor Class 03
Licence Class: 03
Licence Control:
Operator No:
Operator Class:
Operator Type:
Operator Lot:
Oper Concession:
Operator Box:

Op Municipality:
Operator Region:
Operator District:
Operator County:
Oper Area Code: 416
Oper Phone No: 2771710
Operator Ext:
Region:
County:
District:
Lot:
Concession:
Post Office Box:
Report Source: Legacy Licenses (Excluding TS)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 5	SSW/77.6	109.8 / 0.00	Dixie Road Medical Associates 2200 Dixie Road Mississauga ON	GEN

Generator No: ON7617887
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	2 of 5	SSW/77.6	109.8 / 0.00	Dixie Road Medical Associates 2200 Dixie Road Mississauga ON L4Y 1Z4	GEN

Generator No: ON7617887
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	3 of 5	SSW/77.6	109.8 / 0.00	Dixie Road Medical Associates 2200 Dixie Road Mississauga ON L4Y 1Z4	GEN

Generator No: ON7617887
Status:

PO Box No:
Country: Canada

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

Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

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

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8 ***4 of 5*** ***SSW/77.6*** ***109.8 / 0.00*** ***GEN***

Dixie Road Medical Associates
2200 Dixie Road
Mississauga ON L4Y 1Z4

Generator No: ON7617887
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

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

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8 ***5 of 5*** ***SSW/77.6*** ***109.8 / 0.00*** ***GEN***

Dixie Road Medical Associates
2200 Dixie Road
Mississauga ON L4Y 1Z4

Generator No: ON7617887
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

--Details--
Waste Code: 312 P
Waste Description: Pathological wastes

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9 ***1 of 1*** ***NW/90.4*** ***109.8 / 0.00*** ***WWIS***

ON

Well ID: 7126165
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z097777
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:

Data Entry Status:
Data Src:
Date Received: 7/27/2009
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 7147
Form Version: 7
Owner:
Street Name: 2247 DIXIE RD
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot:

Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002557888
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09-JUL-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 111.99
Elevrc:
Zone: 17
East83: 615084
North83: 4828744
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002619836
Layer: 2
Plug From: 1.4
Plug To: 2
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002619837
Layer: 3
Plug From: 2
Plug To: 2.5
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1002619835
Layer: 1
Plug From: 0
Plug To: 1.4
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1002619840
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1002619832
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002619839
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From: 0
Depth To: 2.5
Casing Diameter: 2
Casing Diameter UOM: cm
Casing Depth UOM: m

Water Details

Water ID: 1002619838
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 1.2
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1002619834
Diameter: .8
Depth From: 0
Depth To: 2.5
Hole Depth UOM: m
Hole Diameter UOM: cm

---

10 ***1 of 1*** ***NW/126.6*** ***109.8 / 0.00*** ***ON*** ***BORE***

Borehole ID: 641074
Use: Geotechnical/Geological Investigation
Drill Method: Power auger
Easting: 615045
Location Accuracy:
Elev. Reliability Note:
Total Depth m: 4.5
Township:
Lot:
Completion Date: MAY-1970
Primary Water Use: Not Used

Type: Borehole
Status:
UTM Zone: 17
Northing: 4828753
Orig. Ground Elev m: 112
DEM Ground Elev m: 112
Primary Name:
Concession:
Municipality:
Static Water Level: .5
Sec. Water Use:

--Details--

Stratum ID: 218494692
Bottom Depth(m): 0.2
Top Depth(m): 0.0
Stratum Desc: SOIL.

Stratum ID: 218494693
Bottom Depth(m): 3.1
Top Depth(m): 0.2
Stratum Desc: SAND,SILT. BROWN,LACUSTRINE,COMPACT, BEDDED,AGE GLACIAL.

Stratum ID: 218494694
Top Depth(m): 3.1

Bottom Depth(m):	3.7	**Stratum Desc:**	SAND,SILT. GREY,LACUSTRINE,COMPACT, AGE GLACIAL, WATER STABLE AT 365.8 FEET.
Stratum ID:	218494695	**Top Depth(m):**	3.7
Bottom Depth(m):	4.5	**Stratum Desc:**	BEDROCK,SHALE. GREY,WEATHERED,AGE ORDOVICIAN.00008027001020290000 4GLACIAL

11 **1 of 1** **W/130.3** **109.8 / 0.00** **Mississauga ON** **WWIS**

Well ID:	7136678	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	12/21/2009
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	5
Audit No:	M06330	**Owner:**	
Tag:	A089121	**Street Name:**	THE QUEENSWAY & DIXIE ROAD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1002910368	**Elevation:**	111.99
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615079
Code OB Desc:		**North83:**	4828744
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	26-NOV-09	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003236965
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT

Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	13
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003236964
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	10
Other Materials:	COARSE SAND
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	0
Formation End Depth:	13
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1003236971
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1003236963
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003236967
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	16
Casing Diameter:	1.75
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003236968
Layer:	1
Slot:	10
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.25

Hole Diameter

Hole ID:	1003236966
Diameter:	10.92
Depth From:	0
Depth To:	16
Hole Depth UOM:	ft
Hole Diameter UOM:	cm

Bore Hole Information

Bore Hole ID:	1003236818	***Elevation:***	112.04
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	615069
Code OB Desc:		***North83:***	4828762
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	3
Date Completed:	23-NOV-09	***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:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003236822
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1003236821
Method Construction Code:	
Method Construction:	
Other Method Construction:	GEOPROBE

Pipe Information

Pipe ID:	1003236823
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003236825
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	8
Casing Diameter:	
Casing Diameter UOM:	

Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003236824
Layer:
Slot:
Screen Top Depth: 8
Screen End Depth: 13
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003236826
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003236820
Diameter: 10.92
Depth From:
Depth To: 13
Hole Depth UOM: ft
Hole Diameter UOM: inch

Bore Hole Information

Bore Hole ID: 1003236827
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 23-NOV-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 111.99
Elevrc:
Zone: 17
East83: 615081
North83: 4828797
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003236831
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003236830
Method Construction Code:
Method Construction:
Other Method Construction: GEOPROBE

Pipe Information

Pipe ID: 1003236832
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003236834
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 8
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003236833
Layer:
Slot:
Screen Top Depth: 8
Screen End Depth: 13
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003236835
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:

Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003236829
Diameter: 10.92
Depth From:
Depth To: 13
Hole Depth UOM: ft
Hole Diameter UOM: inch

Bore Hole Information

Bore Hole ID: 1003236836
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 23-NOV-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 112.03
Elevrc:
Zone: 17
East83: 615089
North83: 4828768
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003236840
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003236839
Method Construction Code:
Method Construction:
Other Method Construction: GEOPROBE

Pipe Information

Pipe ID: 1003236841
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003236843
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:

Depth To: 8
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003236842
Layer:
Slot:
Screen Top Depth: 8
Screen End Depth: 13
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003236844
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003236838
Diameter: 10.92
Depth From:
Depth To: 13
Hole Depth UOM: ft
Hole Diameter UOM: inch

Bore Hole Information

Bore Hole ID: 1003236845
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 23-NOV-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 111.99
Elevrc:
Zone: 17
East83: 615026
North83: 4828729
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID:	1003236849
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1003236848
Method Construction Code:	
Method Construction:	
Other Method Construction:	GEOPROBE

Pipe Information

Pipe ID:	1003236850
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003236852
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	8
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003236851
Layer:	
Slot:	
Screen Top Depth:	8
Screen End Depth:	13
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003236853
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	
Rate UOM:	

Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003236847
Diameter: 10.92
Depth From:
Depth To: 13
Hole Depth UOM: ft
Hole Diameter UOM: inch

Bore Hole Information

Bore Hole ID: 1003236854
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 23-NOV-09
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 111.97
Elevrc:
Zone: 17
East83: 615019
North83: 4828693
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1003236858
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003236857
Method Construction Code:
Method Construction:
Other Method Construction: GEOPROBE

Pipe Information

Pipe ID: 1003236859
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003236861

Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	8
Casing Diameter:	
Casing Diameter UOM:	
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003236860
Layer:	
Slot:	
Screen Top Depth:	8
Screen End Depth:	13
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003236862
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	
Rate UOM:	
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1003236856
Diameter:	10.92
Depth From:	
Depth To:	13
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

12 ***1 of 1*** ***N/134.5*** ***109.6 / -0.29*** ***ON*** ***BORE***

Borehole ID:	641076	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Power auger	***UTM Zone:***	17
Easting:	615175	***Northing:***	4828813
Location Accuracy:		***Orig. Ground Elev m:***	113
Elev. Reliability Note:		***DEM Ground Elev m:***	112
Total Depth m:	5.5	***Primary Name:***	
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	MAY-1967	***Static Water Level:***	-999.9

Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218494699	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL.
Stratum ID:	218494700	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	SAND,SILT,CLAY. BROWN,LACUSTRINE,COMPACT, AGE GLACIAL.
Stratum ID:	218494701	**Top Depth(m):**	1.5
Bottom Depth(m):	4.3	**Stratum Desc:**	SAND,SILT,CLAY, GRAVEL. GREY,LACUSTRINE,VERY DENSE, AGE GLACIAL.
Stratum ID:	218494702	**Top Depth(m):**	4.3
Bottom Depth(m):	5.5	**Stratum Desc:**	TILL,CLAY,SILT,SAND.GREY,GLACIAL,HARD ,AGE GLACIAL.

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13 **1 of 1** **NNW/136.8** **109.2 / -0.69** **MISSISSAUGA ON** **WWIS**

Well ID:	7186909	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	9/11/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	7421
Casing Material:		**Form Version:**	7
Audit No:	Z157261	**Owner:**	
Tag:	A097802	**Street Name:**	QUEENSWAY E, EAST OF DIXIE RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004152435	**Elevation:**	111.93
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615117
Code OB Desc:		**North83:**	4828814
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	31-JUL-12	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004455482
Layer:	1
Plug From:	0
Plug To:	8.2
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004455481
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004455475
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004455479
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	4.8
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004455480
Layer:	1
Slot:	2
Screen Top Depth:	4.8
Screen End Depth:	7.5
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.2

Water Details

Water ID:	1004455478
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004455477
Diameter:	

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

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14 **1 of 2** **NNW/137.2** **109.2 / -0.69** **MISSISSAUGA ON** **WWIS**

Well ID:	7186908	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	9/11/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	7421
Casing Material:		**Form Version:**	7
Audit No:	Z157257	**Owner:**	
Tag:	A097796	**Street Name:**	QUEENSWAY E, EAST OF DIXIE
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004152432	**Elevation:**	111.93
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615116
Code OB Desc:		**North83:**	4828814
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	31-JUL-12	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1004455474
Layer: 1
Plug From: 0
Plug To: 6
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1004455473
Method Construction Code:
Method Construction:

Other Method Construction:

Pipe Information

Pipe ID: 1004455467
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1004455471
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 3
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004455472
Layer: 1
Slot: 2
Screen Top Depth: 3
Screen End Depth: 6
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.2

Water Details

Water ID: 1004455470
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004455469
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

14 ***2 of 2*** ***NNW/137.2*** ***109.2 / -0.69*** ***MISSISSAUGA ON*** ***WWIS***

Well ID: 7186906
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:

Data Entry Status:
Data Src:
Date Received: 9/11/2012
Selected Flag: Yes
Abandonment Rec:
Contractor: 7421
Form Version: 7

Audit No:	Z157258	**Owner:**	
Tag:	_NO_TAG	**Street Name:**	QUEENSWAY E, EAST OF DIXIE RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004152426	**Elevation:**	111.92
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615115
Code OB Desc:		**North83:**	4828814
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	31-JUL-12	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004455458
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004455457
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004455451
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004455455
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC

Depth From:	0
Depth To:	3
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004455456
Layer:	1
Slot:	2
Screen Top Depth:	3
Screen End Depth:	6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.2

Water Details

Water ID:	1004455454
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004455453
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

15 ***1 of 1*** ***NNW/137.6*** ***109.2 / -0.69*** ***MISSISSAUGA ON*** ***WWIS***

Well ID:	7186907	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	9/11/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	0	**Abandonment Rec:**	
Water Type:		**Contractor:**	7421
Casing Material:		**Form Version:**	7
Audit No:	Z157260	**Owner:**	
Tag:	A097797	**Street Name:**	QUEENSWAY E. EAST OF DIXIE RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004152429	**Elevation:**	111.92
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615114
Code OB Desc:		**North83:**	4828814
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	31-JUL-12	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004455460
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004455466
Layer:	1
Plug From:	0
Plug To:	6
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004455465
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004455459
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004455463
Layer:	1
Material:	5

Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	3
Casing Diameter:	5.2
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004455464
Layer:	1
Slot:	2
Screen Top Depth:	3
Screen End Depth:	6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.2

Water Details

Water ID:	1004455462
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004455461
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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16 ***1 of 1*** ***WNW/147.7*** ***109.8 / 0.00*** ***ON*** ***BORE***

Borehole ID:	648010	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615015	**Northing:**	4828743
Location Accuracy:		**Orig. Ground Elev m:**	111
Elev. Reliability Note:		**DEM Ground Elev m:**	112
Total Depth m:	5.2	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1961	**Static Water Level:**	.4
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218521121	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	SAND,SILT. BROWN,BEACH,COMPACT, AGE POST-GLACIAL.
Stratum ID:	218521122	**Top Depth(m):**	2.1
Bottom Depth(m):	3.8	**Stratum Desc:**	SAND,GRAVEL. GREY,BEACH,DENSE, AGE POST-GLACIAL, WATER STABLE AT 364.7 FEET.

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

Stratum ID:	218521123	**Top Depth(m):**	3.8
Bottom Depth(m):	5.2	**Stratum Desc:**	SHALE,CLAY. GREY,WEATHERED,SOFT. 00000012000700400000 7ENS

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17 **1 of 2** **WNW/155.0** **109.8 / 0.00** **GEN**

MINISTRY OF THE ENVIRONMENT AND ENERGY
DIXIE-QUEENSWAY SOIL REPLACEMENT
PROJEC MISSISSAUGA C/O 7 OVERLEA BLVD.
TORONTO ON M4H 1A8

Generator No:	ON1146613	**PO Box No:**	
Status:		**Country:**	
Approval Years:	92,93,96,97,98	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	8273		
SIC Description:	ENVIRON. ADMIN.		

--Details--

Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS

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17 **2 of 2** **WNW/155.0** **109.8 / 0.00** **GEN**

MINISTRY OF THE ENVIRONMENT 25-694
DIXIE-QUEENSWAY SOIL REPLACEMENT
PROJEC MISSISSAUGA C/O 7 OVERLEA BLVD.
TORONTO ON M4H 1A8

Generator No:	ON1146613	**PO Box No:**	
Status:		**Country:**	
Approval Years:	94,95	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	8273		
SIC Description:	ENVIRON. ADMIN.		

--Details--

Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS

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18 **1 of 1** **SSW/157.6** **109.8 / 0.00** **ON** **BORE**

Borehole ID:	648008	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615095	**Northing:**	4828533
Location Accuracy:		**Orig. Ground Elev m:**	110
Elev. Reliability Note:		**DEM Ground Elev m:**	110
Total Depth m:	4.3	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1961	**Static Water Level:**	.4
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218521110	**Top Depth(m):**	0.0
Bottom Depth(m):	1.7	**Stratum Desc:**	SAND-FINE TO MEDIUM.BROWN,BEACH,COMPACT, AGE

POST-GLACIAL.

Stratum ID:	218521111	**Top Depth(m):**	1.7
Bottom Depth(m):	2.3	**Stratum Desc:**	SAND-FINE TO MEDIUM.GREY,BEACH,DENSE, AGE POST-GLACIAL, WATER STABLE AT 360.8 FEET.
Stratum ID:	218521112	**Top Depth(m):**	2.3
Bottom Depth(m):	3.0	**Stratum Desc:**	CLAY,SILT. GREY,LACUSTRINE,HARD, AGE GLACIAL.
Stratum ID:	218521113	**Top Depth(m):**	3.0
Bottom Depth(m):	3.7	**Stratum Desc:**	SHALE,CLAY. GREY,MARINE,SOFT,LAYERED, AGE ORDOVICIAN.
Stratum ID:	218521114	**Top Depth(m):**	3.7
Bottom Depth(m):	4.3	**Stratum Desc:**	SHALE. HARD,AGE ORDOVICIAN. 000000160005504000002

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19 **1 of 1** **NNW/165.5** **108.7 / -1.15** **ON** **BORE**

Borehole ID:	641073	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615115	**Northing:**	4828843
Location Accuracy:		**Orig. Ground Elev m:**	112
Elev. Reliability Note:		**DEM Ground Elev m:**	112
Total Depth m:	6.3	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1970	**Static Water Level:**	.6
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218494686	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL.
Stratum ID:	218494687	**Top Depth(m):**	0.2
Bottom Depth(m):	1.1	**Stratum Desc:**	FILL,SAND. BROWN,LOOSE.
Stratum ID:	218494688	**Top Depth(m):**	1.1
Bottom Depth(m):	2.5	**Stratum Desc:**	SAND,SILT. BROWN,LACUSTRINE,DENSE, AGE GLACIAL, WATER STABLE AT 368.2 FEET.
Stratum ID:	218494689	**Top Depth(m):**	2.5
Bottom Depth(m):	3.7	**Stratum Desc:**	TILL,SAND,GRAVEL, SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.
Stratum ID:	218494690	**Top Depth(m):**	3.7
Bottom Depth(m):	6.2	**Stratum Desc:**	TILL,SILT,CLAY. GREY,GLACIAL,HARD,AGE GLACIAL.
Stratum ID:	218494691	**Top Depth(m):**	6.2
Bottom Depth(m):	6.3	**Stratum Desc:**	BEDROCK,SHALE. GREY,WEATHERED,AGE ORDOVICIAN.000350480008206700122059000102300030003

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	NNE/171.3	108.8 / -1.00	ON	BORE

Borehole ID:	641077	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615205	**Northing:**	4828843
Location Accuracy:		**Orig. Ground Elev m:**	113
Elev. Reliability Note:		**DEM Ground Elev m:**	112
Total Depth m:	4.9	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1967	**Static Water Level:**	-999.9
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218494703	**Top Depth(m):**	0.0
Bottom Depth(m):	1.8	**Stratum Desc:**	SAND,SILT,CLAY. BROWN,LACUSTRINE,MOIST, AGE GLACIAL.
Stratum ID:	218494704	**Top Depth(m):**	1.8
Bottom Depth(m):	4.9	**Stratum Desc:**	SAND-MEDIUM TO COARSE,SILT,CLAY. LACUSTRINE,MOIST,AGE GLACIAL. GLACIAL.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	1 of 1	WNW/182.8	109.8 / 0.00	Mississauga ON	WWIS

Well ID:	7144069	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	5/3/2010
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z111134	**Owner:**	
Tag:	A096811	**Street Name:**	2276 DIXIE RD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1002969969	**Elevation:**	112
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	614988
Code OB Desc:		**North83:**	4828768
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	16-MAR-10	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			

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

Overburden and Bedrock Materials Interval

Formation ID: 1003144792
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 1
Formation End Depth: 3
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003144793
Layer: 3
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3: 73
Other Materials: HARD
Formation Top Depth: 3
Formation End Depth: 3.6
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003144791
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003144797
Layer: 3
Plug From: 1.8

Plug To: 3.6
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003144796
Layer: 2
Plug From: .31
Plug To: 1.8
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003144795
Layer: 1
Plug From: 0
Plug To: .31
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003144801
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1003144790
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003144799
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 2.1
Casing Diameter: 5.2
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003144800
Layer: 1
Slot: 10
Screen Top Depth: 2.1
Screen End Depth: 3.6
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

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

Water Details

Water ID:	1003144798
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003144794
Diameter:	10.9
Depth From:	0
Depth To:	3.6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

---

22 ***1 of 1*** ***SSE/200.6*** ***109.8 / 0.00*** ***ON*** ***WWIS***

Well ID:	7291403	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	7/27/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	0	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7610
Casing Material:		***Form Version:***	7
Audit No:	Z254567	***Owner:***	
Tag:		***Street Name:***	2152 PRIMATE RD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006658997	***Elevation:***	110.21
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	615260
Code OB Desc:		***North83:***	4828514
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	19-JUN-17	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1006812073
Layer: 1
Plug From: .1
Plug To: 7.5
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006812074
Layer: 2
Plug From: 0
Plug To: .1
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006812072
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006812066
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006812070
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006812071
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1006812069
Layer:
Kind Code:
Kind:

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

Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006812068
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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23 | ***1 of 5*** | ***WNW/205.5*** | ***109.8 / 0.00*** | ***AUTOMATIC PERFORMANCE TRANSMISSION INC.***
2276 DIXIE ROAD
MISSISSAUGA CITY ON L4Y 1Z4 | ***CA***

Certificate #: 8-3100-94-
Application Year: 94
Issue Date: 3/14/1994
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: WASTE OIL FURNACE MODEL GV-2000X
Contaminants: Benzo (E) Pyrene
Emission Control:

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23 | ***2 of 5*** | ***WNW/205.5*** | ***109.8 / 0.00*** | ***2276 Dixie Rd***
Mississauga ON L4Y 1Z4 | ***EHS***

Order No: 20120105022
Status: C
Report Type: Custom Report
Report Date: 1/16/2012
Date Received: 1/5/2012 2:59:32 PM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -79.57536
Y: 43.603071

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23 | ***3 of 5*** | ***WNW/205.5*** | ***109.8 / 0.00*** | ***APT AUTOMATIC PERFORMANCE***
2276 DIXIE ROAD
MISSISSAUGA ON L4Y 1Z4 | ***GEN***

Generator No: ON2071300
Status:
Approval Years: 95,96,97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3259
SIC Description: OTHER VEHICLE ACCES.

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

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	4 of 5	WNW/205.5	109.8 / 0.00	Automatic Performance Inc. 2276 Dixie Rd Mississauga ON L4Y 1Z4	SCT

Established: 01-AUG-75
Plant Size (ft²): 6000
Employment:

--Details--
Description: Other Engine and Power Transmission Equipment Manufacturing
SIC/NAICS Code: 333619

Description: Motor Vehicle Transmission and Power Train Parts Manufacturing
SIC/NAICS Code: 336350

Description: Other Automotive Mechanical and Electrical Repair and Maintenance
SIC/NAICS Code: 811119

Description: Other Transportation Equipment Manufacturing
SIC/NAICS Code: 336990

Description: Motor Vehicle Transmission and Power Train Parts Manufacturing
SIC/NAICS Code: 336350

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	5 of 5	WNW/205.5	109.8 / 0.00	AUTOMATIC PERFORMANCE TRANSMIS 2276 DIXIE RD UNIT A MISSISSAUGA ON L4Y 1Z4	SCT

Established: 1975
Plant Size (ft²): 6000
Employment: 9

--Details--
Description: SPEED CHANGERS, INDUSTRIAL HIGH-SPEED DRIVES, AND GEARS
SIC/NAICS Code: 3566

Description: MOTOR VEHICLE PARTS AND ACCESSORIES
SIC/NAICS Code: 3714

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 2	SE/208.8	109.8 / 0.00	R.M. OF PEEL PRIMATE RD./DIXIE RD./WEALTHY MISSISSAUGA CITY ON	CA

Certificate #: 7-0634-93-
Application Year: 93
Issue Date: 7/23/1993
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	2 of 2	SE/208.8	109.8 / 0.00	The Regional Municipality of Peel Dixie Rd. and Primate Rd. Mississauga ON	SPL

Ref No:	2560-B95MRM	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2019/02/06	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Municipal Government
Incident Cause:		**Sector Type:**	Miscellaneous Communal
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	99	**Nearest Watercourse:**	Etobicoke Creek
Contaminant Name:	WATER	**Site Address:**	Dixie Rd. and Primate Rd.
Contaminant Limit 1:		**Site District Office:**	Halton-Peel
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	Central
Environment Impact:		**Site Municipality:**	Mississauga
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Surface Water; Source Water Zone	**Northing:**	4828519.55
MOE Response:	No	**Easting:**	615279.72
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2019/02/06	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Watercourse Spills
Incident Reason:	Material Failure - Poor Design/Substandard Material	**Source Type:**	Water Supply

Site Name: Commissioning Large Feeder Main Water Spill to CB's <UNOFFICIAL>
Site County/District: Regional Municipality of Peel
Site Geo Ref Meth:
Incident Summary: Region of Peel: 5-10 Mega Liters Potable Water to CB's, Etobicoke Creek
Contaminant Qty: 10 mL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	1 of 1	N/212.1	108.8 / -1.00	ON	BORE

Borehole ID:	641072	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615155	**Northing:**	4828893
Location Accuracy:		**Orig. Ground Elev m:**	112
Elev. Reliability Note:		**DEM Ground Elev m:**	112
Total Depth m:	6.9	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1970	**Static Water Level:**	.7
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218494680	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL.
Stratum ID:	218494681	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	FILL,SAND,GRAVEL. BROWN,COMPACT.
Stratum ID:	218494682	**Top Depth(m):**	0.9
Bottom Depth(m):	2.3	**Stratum Desc:**	SAND,SILT. BROWN,LACUSTRINE,COMPACT, BEDDED,AGE GLACIAL, WATER STABLE AT 367.5 FEET.
Stratum ID:	218494683	**Top Depth(m):**	2.3
Bottom Depth(m):	3.7	**Stratum Desc:**	TILL,GRAVEL(60),SAND(33),SILT. BROWN,GLACIAL,VERY DENSE, AGE GLACIAL.

Stratum ID:	218494684	**Top Depth(m):**	3.7
Bottom Depth(m):	6.8	**Stratum Desc:**	TILL,SILT,CLAY. GREY,GLACIAL,HARD,AGE GLACIAL.
Stratum ID:	218494685	**Top Depth(m):**	6.8
Bottom Depth(m):	6.9	**Stratum Desc:**	BEDROCK,SHALE. GREY,WEATHERED,AGE ORDOVICIAN.00005023000300300007506400 12008000009

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26 **1 of 1** **WNW/232.6** **109.8 / 0.00** **WWIS**

Mississauga ON

Well ID:	7235321	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	1/12/2015
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z201272	**Owner:**	
Tag:	A172842	**Street Name:**	2280 DIXIE ROAD
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	WKQ-007481 A0-A02
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005278376	**Elevation:**	111.54
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	614926
Code OB Desc:		**North83:**	4828748
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	02-DEC-14	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005468834
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	11
Other Materials:	GRAVEL

Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005468835
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 5
Formation End Depth: 10
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005468845
Layer: 3
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005468843
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005468844
Layer: 2
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005468842
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005468833

Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005468838
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 5
Casing Diameter: 1.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005468839
Layer: 1
Slot: 10
Screen Top Depth: 5
Screen End Depth: 10
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.5

Water Details

Water ID: 1005468837
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005468836
Diameter: 3.25
Depth From: 0
Depth To: 10
Hole Depth UOM: ft
Hole Diameter UOM: inch

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27 ***1 of 1*** ***N/233.4*** ***108.8 / -1.00*** ***ON*** ***WWIS***

Well ID: 7194111
Construction Date: 7/31/2012
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Data Entry Status:
Data Src:
Date Received: 9/11/2012
Selected Flag:
Abandonment Rec:
Contractor:
Form Version:
Owner:
Street Name:
County: PEEL
Municipality: MISSISSAUGA
Site Info:
Lot:

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

Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	615116
Static Water Level:		**Northing NAD83:**	4828912
Flowing (Y/N):		**Zone:**	17
Flow Rate:		**UTM Reliability:**	margin of error : 100 m - 300 m
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004224378	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615116
Code OB Desc:		**North83:**	4828912
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	7/31/2012	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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28 ***1 of 1*** ***WNW/240.5*** ***109.8 / 0.00*** ***DANISH FOOD CENTRE INC.*** ***SCT***
2290 DIXIE RD UNIT B
MISSISSAUGA ON L4Y 1Z4

Established:	1993
Plant Size (ft²):	10000
Employment:	23

--Details--

Description:	BREAD AND OTHER BAKERY PRODUCTS, EXCEPT COOKIES AND CRACKERS
SIC/NAICS Code:	2051
Description:	FROZEN BAKERY PRODUCTS, EXCEPT BREAD
SIC/NAICS Code:	2053

---

29 ***1 of 1*** ***NNW/244.9*** ***109.2 / -0.64*** ***ON*** ***WWIS***

Well ID:	7189025	**Data Entry Status:**	Yes
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	9/11/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7421
Casing Material:		**Form Version:**	8
Audit No:	C17127	**Owner:**	
Tag:	A119551	**Street Name:**	
Construction Method:		**County:**	PEEL
Elevation (m):		**Municipality:**	MISSISSAUGA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	

Flow Rate:
Clear/Cloudy:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	1004210109	**Elevation:**	112.19
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	615057
Code OB Desc:		**North83:**	4828908
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	6
Date Completed:	31-JUL-12	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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30 | ***1 of 1*** | ***WNW/248.1*** | ***109.8 / 0.00*** | ***2292 DIXIE RD, MISSISSAUGA ON*** | ***PINC***

Incident ID:		**Health Impact:**	
Incident No:	1607018	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	Yes
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	5424236	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regualtor Location:**	
Occurrence Start Date:	2015/04/28		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	2292 DIXIE RD, MISSISSAUGA - PIPELINE HIT - 1"		
Reported By:	Blake Frost - ENBRIDGE		
Affiliation:			
Occurrence Desc:			
Damage Reason:	Excavation practices not sufficient		
Notes:			

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31 | ***1 of 1*** | ***NNE/248.2*** | ***108.8 / -1.00*** | ***ON*** | ***BORE***

Borehole ID:	641078	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Power auger	**UTM Zone:**	17
Easting:	615260	**Northing:**	4828903
Location Accuracy:		**Orig. Ground Elev m:**	112
Elev. Reliability Note:		**DEM Ground Elev m:**	111
Total Depth m:	2.4	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1967	**Static Water Level:**	-999.9
Primary Water Use:	Not Used	**Sec. Water Use:**	

--Details--

Stratum ID:	218494705	***Top Depth(m):***	0.0
Bottom Depth(m):	0.3	***Stratum Desc:***	SOIL.
Stratum ID:	218494706	***Top Depth(m):***	0.3
Bottom Depth(m):	0.8	***Stratum Desc:***	SILT-FINE TO MEDIUM,SAND,CLAY. LACUSTRINE,AGE GLACIAL.
Stratum ID:	218494707	***Top Depth(m):***	0.8
Bottom Depth(m):	2.4	***Stratum Desc:***	TILL,SILT,SAND, GRAVEL. GREY,GLACIAL,MOIST, AGE GLACIAL. AL.

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32 ***1 of 1*** ***WNW/249.6*** ***109.8 / 0.00*** ***Mississauga ON*** ***WWIS***

Well ID:	7235322	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring and Test Hole	***Date Received:***	1/12/2015
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z201273	***Owner:***	
Tag:	A172890	***Street Name:***	2280 DIXIE ROAD
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY
Elevation Reliability:		***Site Info:***	WKQ-007481 A0-A02
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005278379	***Elevation:***	111.58
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	614912
Code OB Desc:		***North83:***	4828760
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	02-DEC-14	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005468847
Layer:	1
Color:	6
General Color:	BROWN

Mat1: 01
Most Common Material: FILL
Mat2: 11
Other Materials: GRAVEL
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005468848
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Other Materials: SILT
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 5
Formation End Depth: 10
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005468856
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005468857
Layer: 2
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005468858
Layer: 3
Plug From: 4
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005468855
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID:	1005468846
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005468851
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005468852
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	10
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.5

Water Details

Water ID:	1005468850
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005468849
Diameter:	3.25
Depth From:	0
Depth To:	10
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Unplottable Summary

Total: 21 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF PEEL	DIXIE ROAD	MISSISSAUGA CITY ON	
CA	T.J. VARKONY & ASSOC. INC.	DIXIE RD.	MISSISSAUGA CITY ON	
CA	T.J. YARKONY & ASSOC. INC.	DIXIE RD.	MISSISSAUGA CITY ON	
CA		Kendall Road	Mississauga ON	
CA	The Regional Municipality of Peel	Queensway	Mississauga ON	
CA	SOUTH PEEL WATER SYSTEM	QUEENSWAY W.	MISSISSAUGA ON	
CA	HOME HARDWARE STORES LIMITED	LOT 5, PLAN M-240	MISSISSAUGA CITY ON	
CA		Dixie Rd.	Mississauga ON	
CA	R.M. OF PEEL	DIXIE RD.	MISSISSAUGA CITY ON	
CA	R.M. OF PEEL	DIXIE RD.	MISSISSAUGA CITY ON	
ECA	Costco Wholesale Canada Ltd.	Lot 4 and 5, Concession 1	Mississauga ON	K2E 1C5
ECA	The Regional Municipality of Peel	Dixie Rd	Mississauga ON	L6T 4B9
SPL		at Dixie Rd	Mississauga ON	
SPL	Doctor Green Ltd.	DIXIE RD. SOUTH<UNOFFICIAL>	Mississauga ON	
WWIS		con 1	ON	
WWIS		con 1	ON	
WWIS		lot 6 con 1	ON	
WWIS		con 1	ON	
WWIS		con 1	ON	

WWIS	lot 5	ON
WWIS	lot 6	ON

Unplottable Report

Site: ***R.M. OF PEEL***
DIXIE ROAD MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-0119-87-
Application Year: 87
Issue Date: 3/4/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***T.J. VARKONY & ASSOC. INC.***
DIXIE RD. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 7-0390-87-
Application Year: 87
Issue Date: 5/4/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***T.J. YARKONY & ASSOC. INC.***
DIXIE RD. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 3-0476-87-
Application Year: 87
Issue Date: 5/4/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:
Kendall Road Mississauga ON

Database: ***CA***

Certificate #: 8397-575KAM
Application Year: 02

Issue Date: 2/13/02
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the Regional Municipality of Peel
Client Address: 10 Peel Centre Drive, Fourth Floor
Client City: Brampton
Client Postal Code: L6T 4B9
Project Description: This application is for approval to install watermains on Kendall Road, Sidney Drive, Watson Orchard Road, Rambo Road, Melton Drive and Stir Crescent
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: ***HOME HARDWARE STORES LIMITED***
LOT 5, PLAN M-240 MISSISSAUGA CITY ON

Database: ***CA***

Certificate #: 8-3460-93-
Application Year: 93
Issue Date: 10/22/1993
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: AEROSOL LAB. FUMEHOOD, P.S. BOOTH VENT.
Contaminants: Acetone, Tungsten Carbide, Toluene(Pentyl Methane)(Methyl Benzene), Mineral Spirits Med.
Emission Control: No Controls

Site:
Dixie Rd. Mississauga ON

Database: ***CA***

Certificate #:	4014-4V9NXF
Application Year:	01
Issue Date:	3/28/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the Regional Municipality of Peel
Client Address:	10 Peel Centre Drive
Client City:	Brampton
Client Postal Code:	L6T 4B9
Project Description:	Construction of watermain: Dixie Rd.
Contaminants:	
Emission Control:	

Site: ***R.M. OF PEEL***
DIXIE RD. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #:	3-0305-86-
Application Year:	86
Issue Date:	3/27/1986
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***R.M. OF PEEL***
DIXIE RD. MISSISSAUGA CITY ON

Database: ***CA***

Certificate #:	7-1909-87-
Application Year:	87
Issue Date:	1/12/1988
Approval Type:	Municipal water
Status:	Approved in 1988
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Costco Wholesale Canada Ltd.***
Lot 4 and 5, Concession 1 Mississauga ON K2E 1C5

Database: ***ECA***

Approval No:	2286-94DMMM	***MOE District:***	
Approval Date:	2013-02-14	***City:***	Mississauga
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS		
Project Type:	INDUSTRIAL SEWAGE WORKS		
Address:	Lot 4 and 5, Concession 1		
Full Address:			

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9888-8UUQ82-14.pdf

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Site: ***The Regional Municipality of Peel***
Dixie Rd Mississauga ON L6T 4B9

Database: ***ECA***

Approval No:	4014-4V9NXF	***MOE District:***	
Approval Date:	2001-03-28	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal and Private Water Works		
Project Type:	Municipal and Private Water Works		
Address:	Dixie Rd		
Full Address:			
Full PDF Link:			

Site:
at Dixie Rd Mississauga ON

Database: ***SPL***

Ref No:	5675-5JGL95	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:	2/5/2003	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:	Possible	***Site Municipality:***	Mississauga
Nature of Impact:		***Site Lot:***	
Receiving Medium:	Land & Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	2/5/2003	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	HWY 401, EASTBOUND EXPRESS<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MVA - 200L diesel to hwy/storm sewer		
Contaminant Qty:	200 L		

Site: ***Doctor Green Ltd.***
DIXIE RD. SOUTH<UNOFFICIAL> Mississauga ON

Database: ***SPL***

Ref No:	0868-633S5K	***Discharger Report:***	
Site No:		***Material Group:***	Chemical
Incident Dt:	7/19/2004	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Transport Accident	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	25	***Nearest Watercourse:***	
Contaminant Name:	HERBICIDE (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Halton-Peel
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Central
Environment Impact:	Possible	***Site Municipality:***	Mississauga
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	

Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/20/2004	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	Equipment/Vehicles	***Source Type:***	
Site Name:	DIXIE RD. SOUTH<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	DUPLICATE -10 gal. TriKill solution to road.		
Contaminant Qty:			

Site:
con 1 ON

Database:
WWIS

Well ID:	4908322	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:		***Date Received:***	4/17/1998
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	3656
Casing Material:		***Form Version:***	1
Audit No:	75175	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS N
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10322858	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	_	***East83:***	
Code OB Desc:	No formation data	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06-MAR-98	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	964908322
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	10871428
Casing No:	1
Comment:	
Alt Name:	

Site:

con 1 ON

Database:
WWIS

Well ID:	4908210	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	7/8/1997
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	
Water Type:		***Contractor:***	3656
Casing Material:		***Form Version:***	1
Audit No:	75172	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	PEEL
Elevation (m):		***Municipality:***	MISSISSAUGA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	DS N
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10322769	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	30-JUN-97	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932062382
Layer:	1
Color:	
General Color:	
Mat1:	00
Most Common Material:	UNKNOWN TYPE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964908210
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID: 10871339
Casing No: 1
Comment:
Alt Name:

Site:
lot 6 con 1 ON

Database:
WWIS

Well ID: 4902177
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/23/1950
Selected Flag: Yes
Abandonment Rec:
Contractor: 2613
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot: 006
Concession: 01
Concession Name: DS S R
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10317020
DP2BR: 8
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 02-MAR-49
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932037004
Layer: 2
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 40
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932037003
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	964902177
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10865590
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930523951
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	40
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930523950
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Site:
con 1 ON

Database: ***WWIS***

Well ID:	4909196	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Not Used	***Date Received:***	7/4/2003
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	
Water Type:		***Contractor:***	1663

Casing Material:
Audit No: 253141
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:

Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot:
Concession: 01
Concession Name: DS S
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10546467
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 29-MAY-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 964909196
Method Construction Code: A
Method Construction: Digging
Other Method Construction:

Pipe Information

Pipe ID: 11095037
Casing No: 1
Comment:
Alt Name:

Site:
con 1 ON

Database: ***WWIS***

Well ID: 4908323
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: 75174
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Data Entry Status:
Data Src: 1
Date Received: 4/17/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 3656
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot:
Concession: 01
Concession Name: DS N
Easting NAD83:

Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10322859
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 27-MAR-98
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 964908323
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10871429
Casing No: 1
Comment:
Alt Name:

Site:
lot 5 ON

Database: ***WWIS***

Well ID: 6714537
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 257954
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 8/26/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 2663
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: PEEL TOWNSHIP
Site Info:
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10548088
DP2BR:

Elevation:
Elevrc:

Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 15-AUG-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 932939996
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3: 12
Other Materials: STONES
Formation Top Depth: 0
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932939998
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 178
Formation End Depth: 180
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932939997
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 80
Formation End Depth: 178
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID:	933244725
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966714537
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11096658
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930779266
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996714537
Pump Set At:	
Static Level:	18
Final Level After Pumping:	19
Recommended Pump Depth:	60
Pumping Rate:	30
Flowing Rate:	
Recommended Pump Rate:	30
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934614681
Test Type:	Draw Down
Test Duration:	30
Test Level:	19
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934350122

Test Type: Draw Down
Test Duration: 15
Test Level: 19
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934875691
Test Type: Draw Down
Test Duration: 45
Test Level: 19
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935136750
Test Type: Draw Down
Test Duration: 60
Test Level: 19
Test Level UOM: ft

Water Details

Water ID: 934042028
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 180
Water Found Depth UOM: ft

Water Details

Water ID: 934042027
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 178
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 4909154
Construction Date:
Primary Water Use: Not Used
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 163175
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/19/2003
Selected Flag: Yes
Abandonment Rec:
Contractor: 6030
Form Version: 1
Owner:
Street Name:
County: PEEL
Municipality: MISSISSAUGA CITY
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10540589
DP2BR:
Spatial Status:
Code OB: _
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 15-MAY-03
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Method of Construction & Well Use

Method Construction ID: 964909154
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 11089159
Casing No: 1
Comment:
Alt Name:

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2018

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-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

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2019

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

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 2017

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2019

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Mar 2019

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-Mar 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Mar 31, 2019

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Oct 2018

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-Mar 31, 2019

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Mar 31, 2019

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Mar 31, 2019

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Jan 31, 2019

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

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, 2018

List of TSSA Expired Facilities: Provincial EXP

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

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Oct 2018

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Dec 31, 2018

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2016

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Sep 30, 2017

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

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 2019

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, 2017

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2018

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-Feb 28, 2019

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-May 2018

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Mar 31, 2019

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988-Sep 2018

TSSA Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Mar 31, 2019

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

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

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

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2019

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Feb 2019

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Mar 31, 2019

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31, 2017

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix H: TSSA Response

RE: Technical Dept - Request for information on ASTs, USTs and other

From: Public Information Services <publicinformationservices@tssa.org>
Date: 07/17/2019 15:07
To: Eva Mitsche <eva@brownassociates.ca>

Hello Eva,
Thank you for your request for confirmation of public information.
We confirm that there are no records in our database of any fuel storage tanks at the subject address.
For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.
Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.
Kind regards,
Yalini

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9>
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Eva Mitsche <eva@brownassociates.ca>
Sent: July 17, 2019 12:48 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Technical Dept - Request for information on ASTs, USTs and other

Dear Sir/Madam:

We are requesting any inforamtion you may have on a property(ies) located in the City of Mississauga.

Property(ies) of interest: 1043 Johnson's Lane, Mississauga

We require information on underground and above ground storage tanks registered for this propert(ie)s and any records for retail facilities, incident reports, fuel oil spills, or contamination records for this site(s).

Thank-you for your assistance.

Sincerely,

Eva Mitsche

Environmental Researcher

Bruce A. Brown Associates Limited

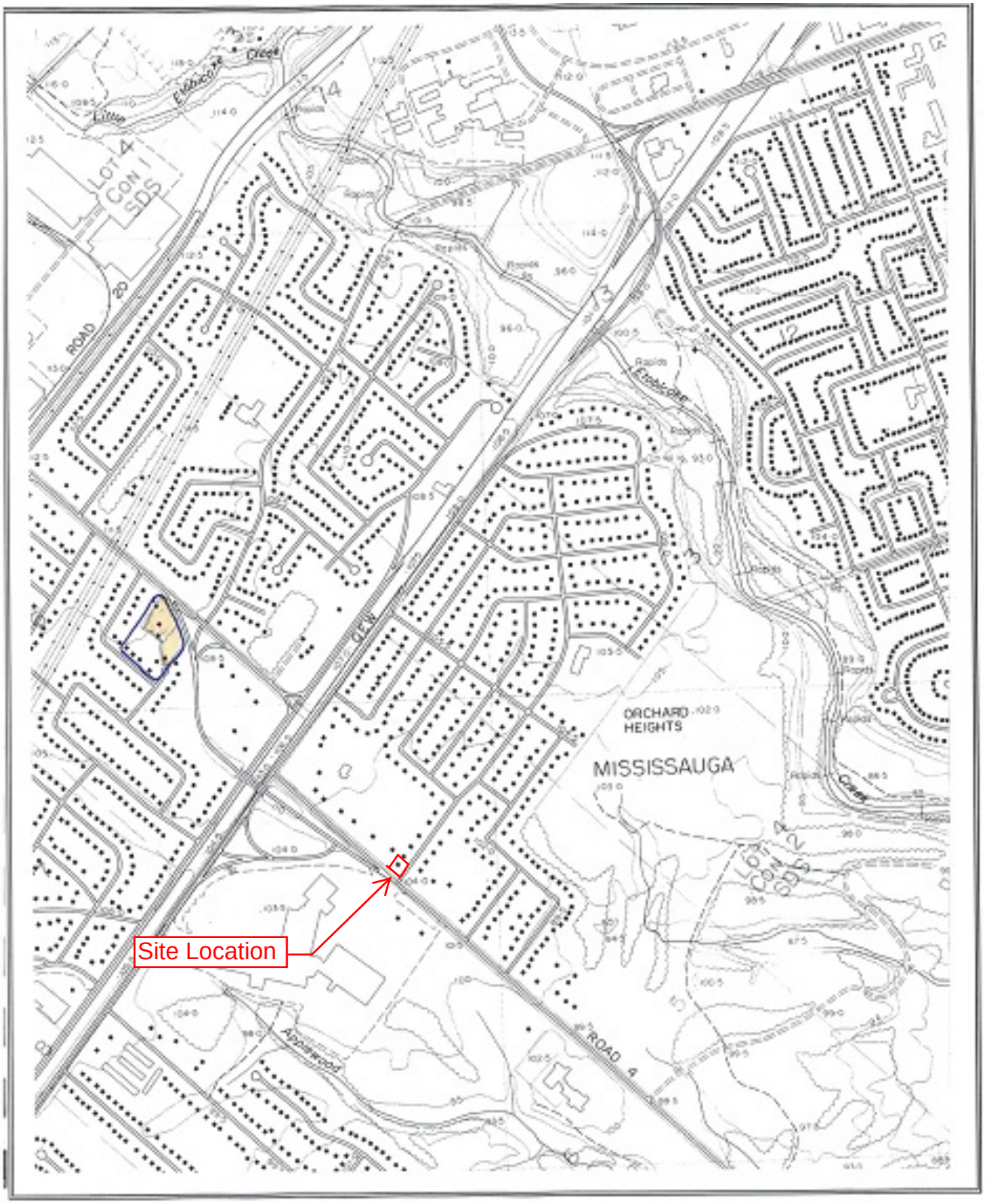
Consultants in the Environmental and Applied Earth Sciences

Office Tel: 416-424-3355 Cell: 416-450-7588

Attachments (5 files, 11.1 KB)
- image001.jpg (5.3 KB)
- image002.png (880.0 B)
- image003.png (998.0 B)
- image004.png (1.7 KB)
- image005.png (2.2 KB)

Appendix I: Ontario Base Map (1982); MNR Topo Map

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 10, 2019



Ontario Base Map Site Location Plan: 1982

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019

Ministry of Natural Resources Topographical Mapping

Appendix J: Reliance Letter to City of Mississauga

BRUCE A. BROWN ASSOCIATES LIMITED
Consultants in the Environmental and Applied Earth Sciences
Click here to enter text.
101-102Aerodrome Crescent
Toronto, Ontario, Canada M4G 4J4
Tel: (416) 424-3355 Email bruce@brownassociates.ca

July 26 , 2019

Project 19*4588

Manager, Environmental Site Management & Compliance
Environmental Services
Transportation & Works Department
City of Mississauga
201 City Centre Drive, 8th Floor
Mississauga, ON L5B 2T4

RE: Reliance Letter for 2207 Dixie Road, Mississauga, ON

To Manager, Environmental Site Management & Compliance:

It is understood that ***Fountain Hill Construction & Consulting Ltd.*** (the "Owner") is seeking approval of a development application from the City of Mississauga (the "City") regarding the above-referenced property (the "Site"). **Bruce A. Brown Associates Limited** has prepared the following report(s) on behalf of the Owner:

- **Phase 1 Environmental Site Assessment, 2207 Dixie Road, City of Mississauga, dated July 29, 2019.**

On behalf of **Bruce A. Brown Associates Limited,** I confirm that I am a Qualified Person within the meaning of Sections 5 and 6 of O.Reg.153/04 of the *Environmental Protection Act, R.S.O. 1990, c.19* and have the requisite authority to make this representation and warranty.

I hereby represent and warrant to the City that the work performed and completed, as described in the above report(s) is in accordance with the level and skill exercised by a reasonable environmental professional and is consistent with the requirements under O. Reg. 153/04, as amended. I further represent that the City and its Peer Reviewers (where applicable) may rely on the reports listed herein as if the reports had been prepared for the use and benefit of the City.

Signature of Qualified Person, as defined under O. Reg. 153/04

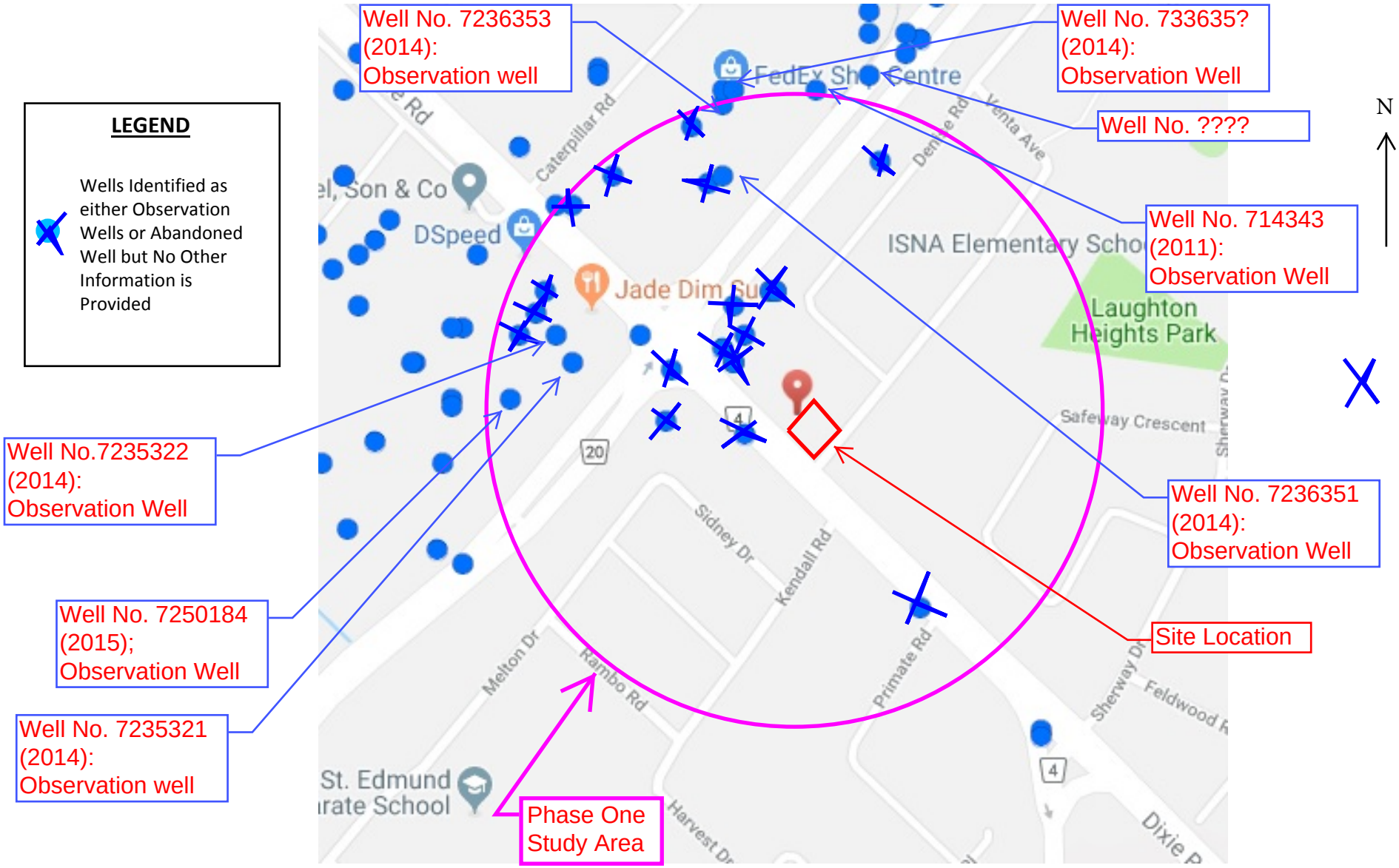
BRUCE A. BROWN, P. ENG.
Print name / Professional Designation

23 / 08 / 2019
Day *Month* *Year*

PRINCIPAL
Print Position/Title

Appendix K : MECP Well Location Map and Table

Project: 19*4588	2207 Dixie Road, Mississauga	Bruce A. Brown Associates Limited Date: July 8, 2019



Ministry of the Environment Well Location Map: Wells Identified are within the 250 m Study Area

2207 Dixie Road, Mississauga

Project: 19*4588

Wells Found within 250 m of the Phase One Property

WELL NUMBER	DISTANCE AND DIRECTION FROM PHASE ONE PROPERTY	LOT AND CONCESSION	DEPTH TO BEDROCK/OVERBURDEN MATERIAL	DEPTH TO WATER TABLE
WELLS LISTED ARE LOCATED NORTHWEST OF THE PHASE ONE PROPERTY				
7144069	~170 m NW of site	Address provided is 2276 Dixie Road	Overburden material encountered was brown loam to a depth of 1 m, followed by a brown sand to 3 m, and then grey shale at a depth of 3.6 m	Not provided
7235322	~192 m NW of site	Address provided is 2280 Dixie Road	Overburden material found was brown fill to a depth of 1.5 m, followed by brown sand to a depth of 3 m.	Not provided
7235321	~188 m NW of site	Address provided is 2280 Dixie Road	Overburden material found was brown fill to a depth of 1.5 m, followed by brown sand to a depth of 3 m.	Not provided
7250184	~212 m NW of site	Address provided is 2304, 2360, 2370 Dixie Road	Overburden material found was brown sand at a depth 3.4 m, followed by grey shale to a depth of 4 m.	Not provided
WELLS NORTH OF THE PHASE ONE PROPERTY				
7236351	~230 m NW of site	Address provided is 2301 Dixie Road	Overburden material found was brown sand to 1.5 m and 3.9 m	Not provided
7236353	~250 m NW of site	Address provided is 2301 Dixie Road	Overburden material found was brown sand to 1.5 m and 3.9 m	Not provided
7336352	~250 m NW of site	Address provided is 2301 Dixie Road	Overburden material found was brown sand to 1.5 m and 3.9 m	Not provided
7143343	~255 m NW of site	Address provided is 1550 Caterpillar Road	Overburden material found was brown sand to 2.4 m, followed by grey silt to a depth of 3 m, followed by grey shale to a depth of 34 m.	Not provided

Appendix L: Site Survey

PLAN OF SURVEY OF
Part of LOT 5, CONCESSION 1
SOUTH of DUNDAS STREET
GEOGRAPHIC TOWNSHIP of TORONTO
CITY of MISSISSAUGA
REGIONAL MUNICIPALITY of PEEL
SCALE 1 : 200
5m 4m 3m 2m 1m 0m 5m

YOUNG & YOUNG SURVEYING
(ETOBICOKE 2006) INC.

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT

DATE : _____

CHRIS BERESNIEWICZ
ONTARIO LAND SURVEYOR

PLAN 43R-

RECEIVED AND DEPOSITED

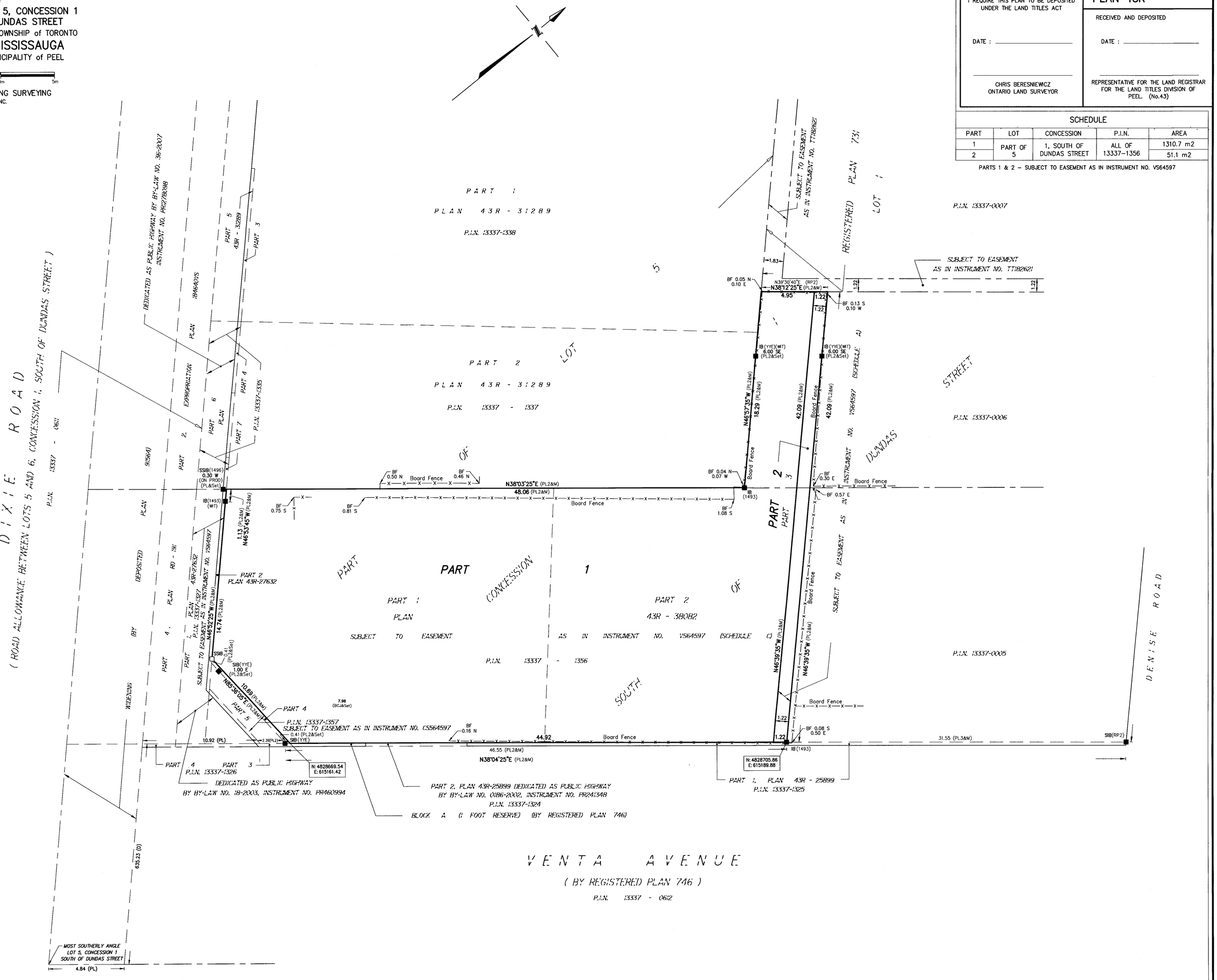
DATE : _____

REPRESENTATIVE FOR THE LAND REGISTRAR FOR THE LAND TITLES DIVISION OF PEEL. (No.43)

SCHEDULE

PART	LOT	CONCESSION	P.I.N.	AREA
1	PART OF 5	1, SOUTH OF DUNDAS STREET	ALL OF 13337-1356	1310.7 m2
2				51.1 m2

PARTS 1 & 2 – SUBJECT TO EASEMENT AS IN INSTRUMENT NO. VS64597



SURVEYOR'S CERTIFICATE

I CERTIFY THAT :

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 24th. DAY OF MAY, 2018.

JUNE 4, 2018
DATE

CHRIS BERESNIEWICZ
ONTARIO LAND SURVEYOR

LEGEND

□	DENOTES	SURVEY MONUMENT SET
■	→ ←	SURVEY MONUMENT FOUND
RP	→ ←	REGISTERED PLAN 746
RP2	→ ←	REGISTERED PLAN 731
PL	→ ←	PLAN 43R-27632
PL2	→ ←	PLAN 43R-38082
PL3	→ ←	PLAN 43R-25899
N,S,E,W	→ ←	NORTH,SOUTH,EAST,WEST
M	→ ←	MEASURED
SIB	→ ←	STANDARD IRON BAR
SSIB	→ ←	SHORT STANDARD IRON BAR
IB	→ ←	IRON BAR
YYE	→ ←	YOUNG & YOUNG SURVEYING (ETOBICOKE 2006) INC., OLS

LEGEND (Cont...)

(1493)	DENOTES	YOUNG & YOUNG SURVEYING, OLS
(1496)	→ ←	RABIDEAU & CZERWINSKI, OLS
P.I.N.	→ ←	PROPERTY IDENTIFIER NUMBER
WIT	→ ←	WITNESS

DISTANCE NOTE

DISTANCES SHOWN HEREON ARE GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.99974907.

BEARING NOTE

BEARINGS ARE UTM GRID DERIVED FROM SPECIFIED CONTROL POINTS 075750322 AND 075750329, UTM ZONE 17, NAD83 (ORIGINAL)

SPECIFIED CONTROL POINTS (SCPs): UTM ZONE 17, NAD 83 (ORIGINAL) COORDINATES TO URBAN ACCURACY PER SECTION 14(2) OF O.REG. 216/10

	NORTHING	EASTING
SCP 075750322	4829139.01	614641.04
SCP 075750329	4829835.66	614552.56

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN

METRIC

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

Young & Young Surveying
(ETOBICOKE 2006) INC.
310 North Queen St., Suite 102, Toronto ON M9C 5K4
Tel: (416) 621-2676 – Fax: (416) 621-3360
E-MAIL : info@youngandyoung.ca

DRAWN: PM | CHECKED: CB | PROJECT 16-T9380

Appendix M: Soil Chemistry

Soil Engineers Ltd.
CONSULTING ENGINEERS
GEOTECHNICAL • ENVIRONMENTAL • HYDROGEOLOGICAL • BUILDING SCIENCE
90 WEST BEAVER CREEK ROAD, SUITE #100, RICHMOND HILL, ONTARIO L4B 1E7 · TEL (416) 754-8515 · FAX (905) 881-8335

BARRIE	MISSISSAUGA	OSHAWA	NEWMARKET	GRAVENHURST	PETERBOROUGH	HAMILTON
TEL: (705) 721-7863	TEL: (905) 542-7605	TEL: (905) 440-2040	TEL: (905) 853-0647	TEL: (705) 684-4242	TEL: (905) 440-2040	TEL: (905) 777-7956
FAX: (705) 721-7864	FAX: (905) 542-2769	FAX: (905) 725-1315	FAX: (905) 881-8335	FAX: (705) 684-8522	FAX: (905) 725-1315	FAX: (905) 542-2769

August 1, 2017

Reference No. 1707-E204

Dunpar Developments Inc
105 Six Points Road
Etobicoke ON
M8Z 2X3

Attention: Mr. Mauro Russo

Re: Results of the Chemical Analyses of Soil Samples
Existing Residential Property
2207 Dixie Road
Mississauga, Ontario

Dear Sir:

As requested, our representative attended the captioned site on July 27, 2017, to collect three (3) soil samples from test pits for chemical analysis. The purpose of the analysis was to determine the environmental quality of the soil at the captioned site.

The soil samples were retrieved from the test pits using a backhoe. There was no visible stain or odour emitted from any of the soil during the collection for chemical testing. A combustible gas detector (RKI Eagle) in methane elimination mode, having a minimum detection level of 2 ppm (parts per million by volume) were used to measure soil organic vapour. Soil organic vapour measurements were non-detect, indicating insignificant organic vapour gases in the soil samples retrieved from the sampling locations. The sample location is shown on the Sample Location Plan, Drawing No. 1, enclosed.

The samples were sent to AGAT Laboratories, accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA), for the analysis of Metals and Inorganic (M&I).

The analytical results were compared to the Ministry of the Environment and Climate Change (MOECC) Table 1 Full Depth Background Site Condition Standards for Residential/Parkland/Institutional/Industrial/Commercial/Community Property Uses, in accordance with the "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act" (EPA), April 15, 2011 (hereinafter referred to as the "Table 1 Standards").

A copy of the Certificate of Analysis along with the permissible levels is enclosed.

The sampling program is as follows:

Sample ID	Laboratory ID	Sample Depth (*mbgs)	Soil Type	Test Conducted
TP1	8593743	1.0 m	Sand Fill	Metal & Inorganics
TP2	8593744	0.6 m		
TP3	8593745	0.4 m		

*meter below ground surface

In reviewing the results of the analysis for the soil samples, the tested parameters at the tested locations meet Table 1 Standards.

Please be aware that soil conditions may vary between sampling locations. Furthermore, please note the acceptance of material along with the frequency of sampling and testing are at the discretion of the receiving site.

Should any queries arise, please feel free to contact this office.

Yours very truly,

SOIL ENGINEERS LTD.

Jenny Park, Dip. CET

Ahmed Hassan, P.Eng.
JP/AH:jp
Encls.

LICENSED PROFESSIONAL ENGINEER
A. M. HASSAN
100124527
Aug. 1, 2017
PROVINCE OF ONTARIO

Approximate Sample Location

Source: Aerial Photos © 2017 City of Mississauga Maps

N

Soil Engineers Ltd.

Title
Sample Location Plan

Project
Chemical Analysis of Soil Samples
Existing Property
2207 Dixie Road
City of Mississauga

Reference No.
1707-E204

Date
August 1, 2017

Scale
Refer to Map

Drawing No.
1

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: SOIL ENGINEERS LIMITED
90 WEST BEAVER CREEK ROAD, UNIT 100
RICHMOND HILL , ON L4B 1E7
(416) 754-8515

ATTENTION TO: Efua Khumbah

PROJECT: 2207 Dixie

AGAT WORK ORDER: 17T242365

SOIL ANALYSIS REVIEWED BY: Milithza Silva, Analytical Supervisor (M.Sc. in Analytical Chemistry)

DATE REPORTED: Jul 31, 2017

PAGES (INCLUDING COVER): 5

VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

NOTES

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.

AGAT Laboratories
5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 17T242365

PROJECT: 2207 Dixie

CLIENT NAME: SOIL ENGINEERS LIMITED

ATTENTION TO: Efua Khumbah

SAMPLING SITE:

SAMPLED BY:

O. Reg. 153(511) - Metals & Inorganics (Soil)

DATE RECEIVED: 2017-07-27

DATE REPORTED: 2017-07-31

		SAMPLE DESCRIPTION:		TP1	TP2	TP3
		SAMPLE TYPE:		Soil	Soil	Soil
		DATE SAMPLED:		2017-07-27	2017-07-27	2017-07-27
Parameter	Unit	G / S	RDL	8593743	8593744	8593745
Antimony	µg/g		0.8	<0.8	<0.8	1.4
Arsenic	µg/g		1	3	4	51
Barium	µg/g		2	20	16	19
Beryllium	µg/g		0.5	<0.5	<0.5	<0.5
Boron	µg/g		5	<5	<5	<5
Boron (Hot Water Soluble)	µg/g		0.10	0.14	0.11	0.19
Cadmium	µg/g		0.5	<0.5	<0.5	<0.5
Chromium	µg/g		2	9	11	9
Cobalt	µg/g		0.5	2.6	2.4	2.3
Copper	µg/g		1	4	5	11
Lead	µg/g		1	35	33	220
Molybdenum	µg/g		0.5	<0.5	<0.5	<0.5
Nickel	µg/g		1	5	5	5
Selenium	µg/g		0.4	<0.4	0.5	0.6
Silver	µg/g		0.2	<0.2	<0.2	<0.2
Thallium	µg/g		0.4	<0.4	<0.4	<0.4
Uranium	µg/g		0.5	0.5	<0.5	<0.5
Vanadium	µg/g		1	20	23	20
Zinc	µg/g		5	17	22	52
Chromium VI	µg/g		0.2	<0.2	<0.2	<0.2
Cyanide	µg/g		0.040	<0.040	<0.040	<0.040
Mercury	µg/g		0.10	<0.10	0.11	0.12
Electrical Conductivity	mS/cm		0.005	0.147	0.149	0.137
Sodium Adsorption Ratio	NA		NA	0.144	0.137	0.139
pH, 2:1 CaCl2 Extraction	pH Units		NA	7.15	7.45	7.43

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

8593743-8593745 EC & SAR were determined on the DI water extract obtained from the 2:1 leaching procedure (2 parts DI water:1 part soil). pH was determined on the 0.01M CaCl2 extract prepared at 2:1 ratio.

Certified By: Militsa O. Silva

AGAT Laboratories

5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: SOIL ENGINEERS LIMITED

AGAT WORK ORDER: 17T242365

PROJECT: 2207 Dixie

ATTENTION TO: Efua Khumbah

SAMPLING SITE:

SAMPLED BY:

Soil Analysis

RPT Date:			DUPLICATE				REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Method Blank	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals & Inorganics (Soil)															
Antimony	8593556		<0.8	<0.8	NA	< 0.8	102%	70%	130%	94%	80%	120%	84%	70%	130%
Arsenic	8593556		1	1	NA	< 1	115%	70%	130%	100%	80%	120%	105%	70%	130%
Barium	8593556		10	10	0.0%	< 2	100%	70%	130%	89%	80%	120%	101%	70%	130%
Beryllium	8593556		<0.5	<0.5	NA	< 0.5	100%	70%	130%	101%	80%	120%	101%	70%	130%
Boron	8593556		<5	<5	NA	< 5	88%	70%	130%	109%	80%	120%	104%	70%	130%
Boron (Hot Water Soluble)	8589519		0.25	0.24	NA	< 0.10	106%	60%	140%	94%	70%	130%	103%	60%	140%
Cadmium	8593556		<0.5	<0.5	NA	< 0.5	96%	70%	130%	99%	80%	120%	103%	70%	130%
Chromium	8593556		5	5	NA	< 2	99%	70%	130%	106%	80%	120%	105%	70%	130%
Cobalt	8593556		2.0	2.0	NA	< 0.5	107%	70%	130%	105%	80%	120%	106%	70%	130%
Copper	8593556		4	4	NA	< 1	97%	70%	130%	105%	80%	120%	101%	70%	130%
Lead	8593556		5	5	0.0%	< 1	94%	70%	130%	94%	80%	120%	94%	70%	130%
Molybdenum	8593556		<0.5	<0.5	NA	< 0.5	98%	70%	130%	98%	80%	120%	104%	70%	130%
Nickel	8593556		5	5	0.0%	< 1	106%	70%	130%	104%	80%	120%	102%	70%	130%
Selenium	8593556		<0.4	<0.4	NA	< 0.4	129%	70%	130%	97%	80%	120%	96%	70%	130%
Silver	8593556		<0.2	<0.2	NA	< 0.2	83%	70%	130%	98%	80%	120%	95%	70%	130%
Thallium	8593556		<0.4	<0.4	NA	< 0.4	80%	70%	130%	101%	80%	120%	102%	70%	130%
Uranium	8593556		<0.5	<0.5	NA	< 0.5	100%	70%	130%	106%	80%	120%	109%	70%	130%
Vanadium	8593556		10	10	0.0%	< 1	110%	70%	130%	106%	80%	120%	104%	70%	130%
Zinc	8593556		12	11	NA	< 5	104%	70%	130%	104%	80%	120%	113%	70%	130%
Chromium VI	8596318		<0.2	<0.2	NA	< 0.2	99%	70%	130%	98%	80%	120%	99%	70%	130%
Cyanide	8591143		<0.040	<0.040	NA	< 0.040	91%	70%	130%	99%	80%	120%	91%	70%	130%
Mercury	8593556		<0.10	<0.10	NA	< 0.10	97%	70%	130%	99%	80%	120%	99%	70%	130%
Electrical Conductivity	8582200		0.573	0.582	1.6%	< 0.005	96%	90%	110%	NA			NA		
Sodium Adsorption Ratio	8593556		20.2	21.4	5.8%	NA	NA			NA			NA		
pH, 2:1 CaCl2 Extraction	8588393		7.61	7.67	0.8%	NA	101%	80%	120%	NA			NA		

Comments: NA signifies Not Applicable.
Duplicate Qualifier: As the measured result approaches the RL, the uncertainty associated with the value increases dramatically, thus duplicate acceptance limits apply only where the average of the two duplicates is greater than five times the RL.

Certified By: Militiza O. Silva

AGAT Laboratories

5835 COOPERS AVENUE
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Method Summary

CLIENT NAME: SOIL ENGINEERS LIMITED

AGAT WORK ORDER: 17T242365

PROJECT: 2207 Dixie

ATTENTION TO: Efua Khumbah

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Arsenic	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Barium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Beryllium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Boron	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Boron (Hot Water Soluble)	MET-93-6104	EPA SW 846 6010C; MSA, Part 3, Ch.21	ICP/OES
Cadmium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Chromium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Cobalt	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Copper	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Lead	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Molybdenum	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Nickel	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Selenium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Silver	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Thallium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Uranium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Vanadium	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Zinc	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Chromium VI	INOR-93-6029	SM 3500 B; MSA Part 3, Ch. 25	SPECTROPHOTOMETER
Cyanide	INOR-93-6052	MOE CN-3015 & E 3009 A;SM 4500 CN	TECHNICON AUTO ANALYZER
Mercury	MET-93-6103	EPA SW-846 3050B & 6020A	ICP-MS
Electrical Conductivity	INOR-93-6036	McKeague 4.12, SM 2510 B	EC METER
Sodium Adsorption Ratio	INOR-93-6007	McKeague 4.12 & 3.26 & EPA SW-846 6010B	ICP/OES
pH, 2:1 CaCl2 Extraction	INOR-93-6031	MSA part 3 & SM 4500-H+ B	PH METER

AGAT Laboratories
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Mississauga, Ontario, L4Z 1Y2
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Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Laboratory Use Only

Work Order #: 17T242365
Cooler Quantity: 1 small blue
Arrival Temperatures: 1.9 | 2.2 | 2.1
Custody Seal Intact: ☐ Yes ☐ No ☐ N/A
Notes: ON ICE

Report Information:

Company: Soil Engineers Ltd
Contact: Efua
Address: 90 West Beaver Creek Richmond Hill, ON
Phone: Efua Fax:
Reports to be sent to:
1. Email: jenny@soilengineersltd.com
2. Email: ugo.obiako@soilengineersltd.com

Regulatory Requirements:

☐ No Regulatory Requirement
(Please check all applicable boxes)

☑ Regulation 153/04
Table 1 (Indicate One)
☐ Ind/Com
☐ Res/Park
☐ Agriculture
Soil Texture (Check One)
☐ Coarse
☑ Fine

☐ Sewer Use
☐ Sanitary
☐ Storm
Region (Indicate One)
☐ MISA

☐ Regulation 558
☐ CCME
☐ Prov. Water Quality Objectives (PWQO)
☐ Other
(Indicate One)

Turnaround Time (TAT) Required:

Regular TAT ☐ 5 to 7 Business Days

Rush TAT (Rush Surcharges Apply)

☐ 3 Business Days ☑ 2 Business Days ☐ Next Business Day

OR Date Required (Rush Surcharges May Apply): Rush

Please provide prior notification for rush TAT
TAT is exclusive of weekends and statutory holidays

For 'Same Day' analysis, please contact your AGAT CPM

Project Information:

Project: 2207 Dixie
Site Location:
Sampled By:
AGAT Quote #: PO:
Please note: If quotation number is not provided, client will be billed full price for analysis

Invoice Information:

Bill To Same: Yes ☑ No ☐

Company:
Contact:
Address:
Email:

Is this submission for a **Record of Site Condition?** ☐ Yes ☐ No

Report Guideline on Certificate of Analysis ☑ Yes ☐ No

Sample Matrix Legend

B	Biota
GW	Ground Water
O	Oil
P	Paint
S	Soil
SD	Sediment
SW	Surface Water

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y/N	Field Filtered - Metals, Hg, CrVI	O. Reg 153	Full Metals Scan	Regulation/Custom Metals	Volatiles	CCME Fractions 1 to 4	ABNs	PAHs	PCBs	Organochlorine Pesticides	TCLP	Sewer Use
TP1	July 27/17	12:15pm	1	Soil				✓										
TP2	"	12:19pm	1	"				✓										
TP3	"	12:35pm	1	"				✓										

Metals and Inorganics; O. Reg 153: ☐ All Metals ☐ 153 Metals (exc Hydrides) ☐ Hydride Metals ☐ 153 Metals (incl. Hydrides)
ORPs: ☐ B-HWS ☐ Cl⁻ ☐ CN ☐ Cr^{6+} ☐ EC ☐ FOC ☐ Hg ☐ pH ☐ SAR
Nutrients: ☐ TP ☐ NH_3 ☐ TKN ☐ NO_3 ☐ NO_2 ☐ NO_3+NO_2
Volatiles: ☐ VOC ☐ BTEX ☐ THM
TCLP: ☐ M&I ☐ VOCs ☐ ABNs ☐ B(a)P ☐ PCBs

Samples Relinquished By (Print Name and Sign): Ugochukwu N. Obiako	Date: July 27/17	Time: 12:55pm	Samples Received By (Print Name and Sign): VP	Date: JULY 27/17	Time: 1 PM
Samples Relinquished By (Print Name and Sign):	Date:	Time:	Samples Received By (Print Name and Sign):	Date:	Time:

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Pink Copy - Client | Yellow Copy - AGAT | White Copy - AGAT