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Phase I - Environmental Site Assessment

2070 Scott Street
Ottawa, Ontario

Prepared For

Westboro Point Developments Ltd.

July 30, 2019

Report: PE4435-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Westboro Point Developments Ltd. to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the property addressed 2070 Scott Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Based on a review of historically available information, the subject site was first developed sometime prior to 1928 with a residential dwelling. Sometime between 1945 and 1950, the subject site was redeveloped with a retail fuel outlet and auto service garage. The retail fuel outlet was demolished and the west portion of the subject site redeveloped with a commercial office building sometime in the early 2000's. These buildings were eventually demolished sometime in 2013. Neighbouring properties were historically developed for residential, commercial, and light industrial purposes.

Multiple historical potentially contaminating activities (PCAs) were identified within the Phase I study area. Based on the nature of their activities, their separation distance, and their down-gradient or cross-gradient orientation with respect to the subject site, these PCAs are not considered to represent areas of potential environmental concern (APECs). Based on previous subsurface investigations, the former retail fuel outlet on the west portion of the property and the former auto service garage on the east portion of the property are both considered to represent APECs on the subject property.

Following the historical review, a site visit was conducted on May 2, 2019. Several PCAs were identified within the Phase I Study area. Based on their separation distance and their down-gradient or cross-gradient orientation, these PCAs are not considered to represent APECs on the subject property. The subject site is currently vacant and no buildings exist on the property. The site is paved with asphaltic concrete on the east and west portions of the property. Fill material (sand and gravel with light vegetation) of unknown quality was identified throughout the subject property. The presence of fill material on-site is considered to represent an APEC on the subject property.

Based on the results of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment will be required for the subject site.**

1.0 INTRODUCTION

At the request of Westboro Point Developments Ltd., Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for 2070 Scott Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. John Thomas of Westboro Point Developments Ltd. Mr. Thomas can be reached by telephone at 613-596-4133.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all our findings and results of the environmental conditions at this site.

This Phase I ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04, as amended, under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	2070 (and formerly 2074) Scott Street, Ottawa, Ontario.
Legal Description:	Part of Lots 15, 16, and 17, Plan 37; Part 4 of Registered Plan 4R-18177, in the City of Ottawa.
Property Identification Number:	04020-0215
Location:	The subject site is located on the south side of Scott Street between Churchill Avenue North and Winona Avenue, in the City of Ottawa, Ontario.
Latitude and Longitude:	45° 23' 41.5" N, 75° 45' 16.5" W

Site Description:

Configuration:	Irregular
Site Area:	1,870 m^2 (approximate)
Zoning:	TM – Traditional Mainstreet Zone
Current Use:	The subject site is currently vacant.
Services:	The subject site is located in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property and, if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject property, based on their significant distance from the site.

First Developed Use Determination

Based on a review of historical information, the subject property was first developed with a residential dwelling sometime prior to 1928.

Plan of Survey

A topographic plan of survey, prepared by Annis, O'Sullivan, Vollebekk Ltd., and dated June 4, 2019, was reviewed as part of this assessment. The subject site is shown in its current configuration. A copy of the Plan of Survey is provided in Appendix 1.

Fire Insurance Plans

Fire Insurance Plans from 1956 were reviewed for the subject site and surrounding properties within the Phase I study area. Volume 3, sheets 308-1, 308-2, 308-3, 309-1, and 309-2 from the December 1956 fire insurance plan depict the subject site and surrounding properties within the Phase I study area.

According to the fire insurance plans, the subject site was developed with a retail fuel outlet on the west portion of the property (2074 Scott Street) and with an auto service garage on the east portion of the property (2070 Scott Street). Two (2) underground fuel tanks are depicted in the southwest portion of the subject property, west of the retail fuel outlet. The historical presence of a retail fuel outlet and auto service garage on-site are considered to be potentially contaminating activities (PCAs) as well as areas of potential environmental concern (APECs) with respect to the subject property.

Immediately adjacent properties to the subject site are shown to be predominately residential dwellings. Properties further away from the subject site are shown to be a combination of residential dwellings, commercial businesses, and light industrial buildings.

Based on the fire insurance plans, several potentially contaminating activities (PCAs) were identified within the Phase I study area. The PCAs include the following:

- A railway line (Canadian Pacific Railway Main Line) located immediately north of and parallel to Scott Street, approximately 25 m north of the subject site.
- A large lumber mill, with an associated railway line, coal storage shed, manufacturing centre for asphalt shingles, piling ground for lumber and shingles, storage warehouses and sheds, as well as one (1) underground fuel tank, located on the property addressed 303 Churchill Avenue North, approximately 55 m north of the subject site.
- A pump repair business with one (1) underground fuel tank, located on the property addressed 2050 Scott Street, approximately 55 m northeast of the subject site.
- A storage building with one (1) underground fuel tank, located on the property addressed 2116 Scott Street, approximately 100 m west of the subject site.
- A contractor's storage yard, located on the property addressed 306 Athlone Avenue, approximately 160 m northeast of the subject site.
- An auto body repair shop, located on the property addressed 277 Richmond Road, approximately 240 m southeast of the subject site.
- A retail fuel outlet with four (4) underground fuel tanks, located on the property addressed 319 Richmond Road, approximately 250 m south of the subject site.

The majority of these sites were noted to be located in a down-gradient or cross-gradient orientation with respect to the subject site, while other sites are located at a significant distance from the subject property. As a result, the above list of PCAs within the Phase I study area are not considered to be APECs.

The aforementioned PCAs correspond to the following items found in Table 2, O.Reg. 153/04, item 10 "Commercial Autobody Shops", item 28 "Gasoline and Associated Products Storage in Fixed Tanks", item 46 "Rail Yards, Tracks and Spurs", as well as item 52 "Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems".

City of Ottawa Street Directories

City of Ottawa street directories at the National Archives were reviewed in approximate 10-year intervals from 1921 to 2011 as part of this assessment. The directories indicate that the subject site was listed as various commercial tenants between 1950 and 2011, the last year reviewed. A review of the city directories identified several on-site and off-site Potentially Contaminating Activities (PCAs) within the Phase I study area. A summary of PCAs within the Phase I study area is provided in the table below.

Table 1: City Directories – Potentially Contaminating Activities in Phase I Study Area

Address	Listed Activity (years listed)	Distance / Orientation from site	APEC (Y/N)
2020 Scott St.	Scott Street Auto Sales (2000)	155 m Northeast	N
2046 Scott St.	Safe Auto Repair Automotive (2011) Alert Auto Sales, Leasing & Service (2000) Davidson's Farm & Utility Supplies (1972) Lafleur Bob Garage (1952)	70 m Northeast	N
2050 Scott St.	Campbell's Pump Service (1972)	55 m Northeast	N
2070 Scott St.	Bob Peter's Garage (1992-2011) Gravelle Dwayne Automobiles (1992) Nepean Body Shop (1974-1981) West End Body Shop (1964-1972) Crawford Motor & Cycle (1950-1959)	On-Site	**Y**
2074 Scott St.	Scott St. Beaver Self Serve Station (1979) Gus and John's Service Station Ltd. (1974) Ron's Shell Service Station (1972) Syl's Service Station (1959-1969) Workman Service Station No. 2 (1955)	On-Site	**Y**
376 Wilmont Ave.	Ernest W Gault Dry Cleaning (1955)	185 m Southwest	N
314 Athlone Ave.	Les Auto Body Repair (1961-2000)	155 m Northeast	N
329 Churchill Ave. N.	Dominion Photographs (1970-1980)	Immediately South	N
339 Churchill Ave. N.	Sunshine Cleaners (1990-2000)	55 m South	N
376 Churchill Ave. N.	Wyldewood Print Management Inc. (2004)	180 m South	N

Based on information contained within Paterson's previous environmental reports, the former on-site retail fuel outlet and the former auto service garage are considered to represent APECs with respect to the subject site. PCAs and APECs identified within the Phase I Study Area are presented on Drawing PE4435-2 – Surrounding Land Use Plan in the Figures section of this report.

4.2 Environmental Source Information

Environment and Climate Change Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on April 30, 2019. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted. No PCB waste storage sites were identified on the subject site or within a 250 m radius.

Ontario Ministry of Environment (MECP) Instruments

A request was submitted to the MECP Freedom of Information office on April 30, 2019, for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. At the time of issuing this report, a response from the MECP had not been received.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the subject site or adjacent properties. At the time of issuing this report, a response from the MECP had not been received.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the subject site. At the time of issuing this report, a response from the MECP had not been received.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the subject site. At the time of issuing this report, a response from the MECP had not been received.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified in the Phase I study area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted electronically on April 30, 2019 for the subject site and neighbouring properties within the Phase I study area.

One (1) Record of Site Condition (RSC) was filed for a property within the Phase I study area. The property addressed 389 Wilmont Avenue, located approximately 210 m southwest of the subject site, had an RSC (#205349) completed in August 2012 by Terrapex Environmental Ltd. The remediation of the site included the removal of approximately 215 m^3 of hydrocarbon impacted soil and bedrock as well as the removal of approximately 8,618 litres of groundwater via a groundwater pump and treat program.

Due to the large spatial distance between this RSC site and the subject site, it is not considered to pose an environmental concern to the subject property.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario.

No records were listed for the subject site or for properties within the Phase I study area.

Areas of Natural and Scientific Interest (ANSI)

A search for areas of natural and scientific interests within the Phase I study area was conducted on the website of the Ontario Ministry of Natural Resources and Forestry (MNRF) on May 1, 2019.

The search did not reveal any areas of natural and scientific interest within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on May 1, 2019 to inquire about current and former underground storage tanks, spills, and incidents for the subject site and neighbouring properties. The response from the TSSA indicated that the subject site is not listed in the TSSA registry.

The property located at 319 Richmond Road, located approximately 250 m south of the subject site, contains records for one (1) expired retail fuel outlet and three (3) expired liquid fuel storage tanks. Based on the separation distance, the retail fuel outlet and liquid fuel tanks are not considered to pose an environmental concern to the subject site.

A copy of the correspondence with the TSSA is included in Appendix 2.

City of Ottawa Landfill Document

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No former landfill sites were identified within the Phase I study area.

One (1) former landfill site (site L19) was identified approximately 280 m east of the subject site, along McRae Avenue. Based on the age of the site (pre-1940s) as well as the significant separation distance, the former landfill is not considered to pose an environmental concern to the subject property.

City of Ottawa Historical Land Use Inventory

A requisition form was sent to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject property.

A response had not been received at the time this report was issued. A copy of the response will be forwarded to the client should it contain any pertinent information.

City of Ottawa Former Industrial Sites

The document titled "Mapping and Assessment of Former Industrial Sites, City of Ottawa" was reviewed. No former industrial sites were identified within the Phase I study area.

Previous Engineering Reports

Paterson has completed multiple environmental assessment reports and subsurface investigations for the subject property. The following reports were reviewed prior to conducting this assessment:

- *"Phase II - Environmental Site Characterization, 2070 and 2074 Scott Street, Ottawa, Ontario", completed by Paterson and dated November 22, 1996.*

  A total of four (4) boreholes were placed on-site to assess the subsurface soil conditions in the area of the tank nests associated with the former retail fuel outlet on the west portion of the subject property. Each borehole was advanced via a truck-mounted auger to refusal on the inferred bedrock at a maximum depth of 3.61 m. Groundwater was encountered, in a borehole placed in the northwest portion of the property, at a depth of 3.35 m.

  A total of eleven (11) soil samples were recovered by means of split spoon sampling. Based on the field observations as well as the low combustible vapour measurements obtained from the samples, it was our opinion that the soil and groundwater conditions located at 2070 and 2074 Scott Street had not been adversely affected by the presence of the underground fuel tanks associated with the former retail fuel outlet. No further work was recommended following the assessment.

- *"Phase II - Environmental Site Assessment, Former Fuel Dispensing Site and Garage, 2070 Scott Street, Ottawa, Ontario", completed by Paterson and dated October 30, 2001.*

  A total of five (5) boreholes and two (2) hand auger holes were placed on the exterior of the subject property to assess the potential impact on the soil and groundwater conditions as a result of the former use of two (2) underground fuel storage tank nests and pumping equipment, as well as the present use of four (4) above ground waste oil storage tanks at the time. Each borehole was advanced via truck-mounted auger to refusal on the inferred bedrock at a maximum depth of 3.80 m.

  Groundwater was encountered, in a borehole placed on the northeast portion of the property, at a depth of 3.40 m. A total of twenty (20) soil samples were recovered by means of split spoon and hand auger sampling. Analytical testing on the soil samples indicated the presence of hydrocarbon contamination in the vicinity of the four (4) above ground waste oil storage tanks on the west side of the existing garage. A soil remediation program was recommended following the assessment.

- *"Soil Remediation Program, Automotive Garage, 2070 Scott Street, Ottawa, Ontario", completed by Paterson and dated December 2001.*

  A soil remediation program was conducted on the subject property, under the supervision of this firm, to remove hydrocarbon impacted soil in the vicinity of the four (4) above ground waste oil tanks located on the west side of the auto service garage.

  Based on the field observations made at the time of the soil removal, as well as the analytical testing conducted on confirmatory soil samples, the remediation program was successful in removing the bulk of the of hydrocarbon impacted soil from this area. No further work was recommended following the completion of the remediation program.

- *"Supplemental Phase II - Environmental Site Assessment, Former Fuel Dispensing Site, 2074 Scott Street, Ottawa, Ontario", completed by Paterson and dated October 25, 2002.*

  Five (5) test pits were placed on-site to confirm the observations and conclusions presented in the previous environmental investigations. The test pits were placed in the vicinity of the underground tank nest locations, associated with the former retail fuel outlet on the west portion of the subject property, and ranged from 1.83 to 3.20 m in depth below the existing ground surface.

  A total of fifteen (15) soil samples were obtained via grab sampling from the test pits. Three (3) of the samples were submitted for analytical testing of Total Petroleum Hydrocarbon (TPH) as well as benzene, toluene, ethylbenzene, and xylenes (BTEX).

  The analytical test results did not identify any concentrations of the parameters tested which exceeded the applicable MOE guidelines. The results of the assessment corroborated with the observations and conclusions presented in the previous environmental investigations. It was our opinion that the former use of the site as a fuel dispensing location had not significantly impacted the subject property. No further work was recommended following the assessment.

  It should be noted that our firm was involved in the construction of the former on-site commercial office building at that time, and no contaminated soil was observed during the redevelopment of the property.

- *"Environmental Site Assessment Update, Commercial Development, 2070 and 2090 Scott Street, Ottawa, Ontario", completed by Paterson and dated July 2005.*

  An updated assessment of the subject property was conducted to identify any potential environmental concerns associated with the use of the site or adjacent properties. During the course of the site inspection of the on-site garage, several oil stains and recent spills were observed on the garage floor. Significant waste oil spillage was observed on the concrete floor around a plastic 200 litre waste oil storage container in a storage room. Furthermore, a significant amount of waste oil and absorbent material was observed on the concrete base of a 4,500 litre above ground waste oil storage tank along the exterior of the western wall of the building. It was suspected that some of the spilled waste oil may have possibly migrated through cracks in the concrete floor of the building. As a result, isolated pockets of soil contamination may exist under the garage building at 2070 Scott Street.

  Based on limited quantities observed, it was not suspected that any waste oil migrating beneath the floor slab would have the potential to significantly impact the subject site. Provided that the garage building continue to operate as an automobile repair shop, our firm concluded that no further investigative work would be required.

- *"Phase I Environmental Site Assessment, 2070 to 2074 Scott Street, Ottawa, Ontario", completed by Franz Environmental Inc. and dated September 21, 2012.*

  The results of the Phase I ESA identified one (1) area of potential environmental concern (APEC) with regard to the on-site auto service garage and three (3) potentially contaminating activities (PCAs) regarding the former retail fuel outlet on-site, the former railway line located approximately 25 m to the north, as well as the former lumber mill and shingles yard located approximately 50 m to the north.

  Franz Environmental (Franz) recommended completing a Phase II ESA to investigate the soil and groundwater conditions in the vicinity of the APECs and PCAs identified in the report.

- *"Phase II Environmental Site Assessment, 2070, 2074 and 2090 Scott Street, Ottawa, Ontario", completed by Franz Environmental Inc. and dated April 23, 2013.*

  A total of twelve (12) boreholes were placed on-site, with three (3) of the boreholes completed with bedrock groundwater monitoring wells. Boreholes BH1 to BH 6 were advanced via a truck-mounted drill and boreholes BH7 to BH12 were advanced via a Geoprobe with hollow stem augers. All boreholes were drilled to bedrock refusal at a maximum depth of 4.52 m below ground surface. BH1, BH2, and BH3 were cored to a maximum depth of 13.50 m below ground surface to intersect with the ground water table. Groundwater was measured in each well at a depth of 5.20 to 7.18 m below ground surface.

  Selected soil samples, submitted for analysis, identified Polycyclic Aromatic Hydrocarbon (PAH) and metal impacted fill/soil above the selected MOE (2011) Table 7 Site Condition Standards. Groundwater testing identified Petroleum Hydrocarbon (PHC) impacted groundwater above selected MOE (2011) Table 7 site condition standards in monitoring well MW-1, located in the southwest portion of the property.

  Based on the results of the Phase II ESA, it was recommended that a soil and groundwater management plan be prepared during the redevelopment of the subject site.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals, commencing with the earliest available photograph. Based on the review, the following observations have been made:

1928 The subject site appears to be developed with a residential dwelling at this time. The neighbouring lands appear to be used for residential purposes or are vacant. A railway line can be seen north of the subject site, followed by a large industrial property containing several warehouses and a train storage shed.

1945 No apparent changes have been made to the subject site. Additional residential dwellings have been constructed in the general vicinity of the subject site.

1958	(City of Ottawa Website) The subject site has been redeveloped with a retail fuel outlet and auto service station. Scott Street can also be seen at this time. Additional residential dwellings, commercial properties, and light industrial buildings have been constructed in the general vicinity of the subject site.
1965	(City of Ottawa Website) No apparent changes have been made to the subject site. A commercial office building has been constructed immediately south of the subject site, on the east side of Churchill Avenue North. The large industrial property to the north of the subject site has been demolished at this time.
1976	The building associated with the retail fuel outlet on the western portion of the subject site has been demolished and a canopy structure has been constructed above the fuel dispensing pumps. The railway line to the north of the subject site appears to have been demolished at this time.
1991	(City of Ottawa Website) The retail fuel outlet located on the western portion of the subject site has been demolished at this time. The former railway line to the north of the subject site has been redeveloped with the current OC Transpo Transitway at this time.
2004	(Google Earth) The western portion of the subject property has been redeveloped with a commercial office building at this time. Several properties to the north and west of the subject site have been redeveloped with residential dwellings and apartment buildings.
2013	(Google Earth) The commercial office building and auto service station on the subject site have been demolished and the subject site appears to be vacant at this time. The property located 10 m to the east of the subject site has been redeveloped with a residential apartment building.
2018	(Google Earth) The subject site and neighbouring properties are depicted as they appear today.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic mapping information was obtained from the Natural Resources Canada – The Atlas of Canada website. The maps indicate that the elevation of the subject site is approximately 65 m above sea level. The regional topography in the general area of the site slopes down to the northwest. A copy of the referenced map is presented in the Figures section in this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada - The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The subject site is located in the Central St. Lawrence Lowland, "where the land is rarely more than 150 m above sea level, except for the Monteregian Hills, which consist of intrusive igneous rocks".

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on available mapping information, the bedrock in the area of the subject site consists of interbedded limestone and dolomite of the Gull River Formation, with a glacial till plain overburden ranging from 1 to 2 m in thickness.

Water Well Records

A search of the MECP's website for all drilled well records within 250 m of the subject site was conducted on May 3, 2019. The search identified thirty (37) well records within the Phase I study area. The records are for groundwater monitoring wells drilled in the area between 2005 and 2017. Based on the well records, the stratigraphy in the general area of the subject site consists of sand (~0.1 m to ~1.5 m depth), sandy silt (~1.0 m to ~3.0 m depth), and limestone bedrock (~1.5 m to ~3.0 m depth). The water table was encountered at an average depth of 3.5 m. Selected well records are appended in Appendix 2.

Water Bodies

There are no water bodies on the subject site or within the Phase I study area. The nearest named water body is the Ottawa River, located approximately 500 m west of the subject property.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

The site inspection was conducted on May 2, 2019, between 1:30 PM and 2:30 PM. Weather conditions were overcast, with a temperature of approximately 9°C. Mr. Nick Sullivan, from the Environmental Department of Paterson Group, conducted the site inspection. In addition to the subject site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site inspection.

5.2 Specific Observations at the Phase I Property

Site Features

The subject site is currently vacant and paved with asphaltic concrete on the east and west portions of the property. The majority of the subject property contains fill material (sand and gravel with light vegetation, including grass, shrubs, and immature trees) throughout the site. The site topography slopes sharply down towards the east, while the regional topography slopes gradually down to the northeast. The site is at grade with respect to Churchill Avenue North to the west and Winona Avenue to the east and is below grade with respect to Scott Street. A depiction of the subject site is presented on Drawing PE4435-1 – Site Plan, in the Figures section of this report.

Water drainage on the subject site occurs primarily via infiltration in the grassed and gravel areas, as well as sheet flow towards catch basins located on the east and west portions of the property in addition to catch basins located on the adjacent streets. No ponded water or stressed vegetation was observed on the property at the time of the site inspection.

Buildings and Structures

The subject site is currently vacant and no structures are present on the property.

Underground Utilities

Several stormwater sewer drains were observed on the subject site at the time of the site inspection. It is unknown if any other underground utilities remain on the subject site following the demolition of the former auto service garage and commercial office building.

Waste Materials

No waste materials are currently being generated or stored on the subject property.

Fill Material

Fill material, consisting primarily of coarse-grained sand and gravel, was identified throughout the subject property. Due to its unknown quality, the fill material is considered to represent an APEC with respect to the subject site.

Fuels and Chemical Storage

No above ground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed on the subject property at the time of the site inspection. No hazardous chemicals, spills, stains, or abnormal odours were observed at the time of the site inspection.

Potential Environmental Concerns

- **Groundwater Monitoring Wells**

  A total of four (4) groundwater monitoring wells, installed with flush mounts, were observed on the west and southwest portions of the subject property at the time of the site inspection.

  Three (3) groundwater monitoring wells were installed on the subject property as part of a Phase II ESA conducted by Franz Environmental Inc. in 2013. It is suspected that two (2) of the four (4) wells observed on the western portion of the subject property pertain to this investigation.

- **Unidentified Substances**

  There were no unidentified substances on the subject property at the time of site inspection.

- **Ground Surface**

  The ground surface across the majority of the property has been heavily reworked, likely as a result of the demolition of the former auto service garage and commercial office building. The site is paved with asphaltic concrete on the east and west portions of the property, while the western edge of the property contains a small landscaped area. Fill material (sand and gravel with light vegetation), was identified throughout the subject property.

- **Polychlorinated Biphenyls (PCBs)**

  Three (3) pole mounted transformers were observed along the east side of Churchill Avenue North, adjacent to the subject property. The transformers were noted to be in good condition at the time of the site inspection.

- **Railway Lines**

  No railway lines were observed on the subject site or within the Phase I study area. The former railway line, located approximately 25 m north of the subject site, was converted into the current OC Transpo Transitway sometime in the early 1980's. The former railway line was located at a significant down-gradient location from the subject site, and thus does not pose an environmental concern to the subject property.

- **Wastewater Drainage**

  Wastewater is currently not being generated on the subject site. Stormwater runoff is currently discharged from the subject site via sheet flow towards catch basins on the east and west portions of the subject site, as well as on the adjacent streets.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was as follows:

North: Scott Street, followed by the OC Transpo Transitway and residential dwellings;

South: Residential dwellings as well as a vacant commercial office building;

East: Winona Avenue, followed by residential dwellings, commercial retail businesses, and an auto service garage;

West: Churchill Avenue North, followed by commercial retail businesses, residential dwellings and a residential apartment building.

Based on the down-gradient location of the auto service garage from the subject site, it is not considered to represent an APEC on the subject site. Property use within the Phase I study area is shown on Drawing PE4435-2 - Surrounding Land Use Plan.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Land Use History

The following table indicates the current and past uses of the subject site dating back to the first developed use of the property.

Table 2: Land Use History

Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern
Prior to 1928	Unknown	Unknown	Unknown
1928 to 1945	Residential	None	None
1945 - 1950	Unknown	Unknown	Unknown
1950 - 2013	Commercial	Former Retail Fuel Outlet and Automotive Service Station	The former retail fuel outlet and the former auto service garage are considered to represent APECs with respect to the subject site.
2013 - Present	Vacant	None	Based on aerial photographs as well as a site inspection, the presence of on-site fill material of unknown quality is considered to represent an APEC with respect to the subject site.

Potentially Contaminating Activities (PCAs)

The historical presence of a retail fuel outlet and auto service garage on-site are considered to be (PCAs) on the subject site. The presence of on-site fill material of unknown quality is also considered to be a PCA on the subject site.

Multiple historical and existing PCAs were identified within the Phase I study area. Based on the nature of the activity, their separation distance, as well as their down-gradient or cross-gradient orientation with respect to the subject site, none of the off-site PCAs are considered to represent areas of potential environmental concern (APECs) with respect to the subject site.

Areas of Potential Environmental Concern (APECs)

As previously discussed, the former retail fuel outlet, former auto service garage, and the existing fill material on-site are all considered to represent APECs with respect to the subject site.

Contaminants of Potential Concern (CPCs)

Based on the nature of the APECs identified on the subject site, the CPCs with respect to the subject property are considered to be metals, polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbons (PHCs F1 - F4), as well as benzene, toluene, ethylbenzene, and xylenes (BTEX). The CPCs are expected to be present in both the soil and groundwater of the subject site.

6.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on available mapping information from NRCAN, the bedrock in the area of the subject site consists of interbedded limestone and dolomite of the Gull River Formation, with a glacial till plain overburden ranging from 1 to 2 m in thickness.

Based on the results of previous subsurface investigations on the subject site, the groundwater is expected to be encountered in the bedrock approximately 3.0 to 7.0 m below the existing grade. Groundwater levels are expected to fluctuate throughout the year with seasonal variations.

Existing Buildings and Structures

The subject site is currently vacant and not developed with any existing buildings or structures.

Water Bodies

There are no water bodies present on the subject site or within the Phase I study area. The nearest named water body is the Ottawa River, located approximately 500 m west of the subject property.

Areas of Natural Significance

There are no areas of natural and scientific interest on the subject site or within the Phase I study area.

Drinking Water Wells

The subject site is located within a municipally supplied area. Based on the available MECP Water Well Records, no drinking water wells are expected to be present within the Phase I study area.

Neighbouring Land Use

Neighbouring land use in the Phase I study area consists mainly of residential and commercial properties. Land use is shown on Drawing PE4435-2 Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per section 6.1 of this report, the following Potentially Contaminating Activities were identified on the subject site:

- A former retail fuel outlet, located on the west portion of the subject site.
- A former auto service garage, located on the east portion of the subject site.
- Existing fill material of an unknown quality, located throughout the subject site.

All three (3) of the PCAs identified on the subject site are considered to represent APECs with respect to the subject property.

The following PCAs were identified off of the subject site, yet within the Phase I study area:

- An existing auto service garage, located on the property addressed 2046 Scott Street, approximately 70 m northeast of the subject site.
- A former railway line (Canadian Pacific Railway Main Line) located immediately north of and parallel to Scott Street, approximately 25 m north of the subject site.
- A former lumber mill, with an associated railway line, coal storage shed, manufacturing centre for asphalt shingles, piling ground for lumber and shingles, storage warehouses and sheds, as well as one (1) underground fuel tank, located on the property addressed 303 Churchill Avenue North, approximately 55 m north of the subject site.
- A former pump repair business with one (1) underground fuel tank, located on the property addressed 2050 Scott Street, approximately 55 m northeast of the subject site.
- A former storage building with one (1) underground fuel tank, located on the property addressed 2116 Scott Street, approximately 100 m west of the subject site.

- A former contractor's storage yard, located on the property addressed 306 Athlone Avenue, approximately 160 m northeast of the subject site.
- A former auto body repair shop, located on the property addressed 277 Richmond Road, approximately 240 m southeast of the subject site.
- An existing auto service garage and former retail fuel outlet with four (4) underground fuel tanks, located on the property addressed 319 Richmond Road, approximately 250 m south of the subject site.
- A former dry-cleaning business, located on the property addressed 376 Wilmont Avenue, approximately 155 m southwest of the subject site
- An existing auto body repair shop and former car dealership, located on the property addressed 2020 Scott Street (formerly 314 Athlone Avenue).
- A former dry-cleaning business, located on the property addressed 339 Churchill Avenue North, approximately 55 m south of the subject site.
- A former printing business, located at the property addressed 329 Churchill Avenue North, immediately south of the subject site.
- A former printing business, located at the property addressed 376 Churchill Avenue North, approximately 180 m south of the subject site.

The majority of these sites were noted to be located in a down-gradient or cross-gradient orientation with respect to the subject site, while other sites are located at a significant distance from the subject property. As a result, the above list of PCAs within the Phase I study area are not considered to be APECs.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that the PCAs identified on the subject site are considered to represent on-site APECs, whereas the PCAs identified off of the subject site, yet within the Phase I Study area, do not represent APECs with respect to the subject property. The presence of PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

7.0 CONCLUSIONS

Assessment

Paterson Group was retained by Westboro Point Developments Ltd. to conduct a Phase I Environmental Site Assessment (Phase I ESA) for the property addressed 2070 Scott Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Based on a review of historically available information, the subject site was first developed sometime prior to 1928 with a residential dwelling. Sometime between 1945 and 1950, the subject site was redeveloped with a retail fuel outlet and auto service garage. The retail fuel outlet was demolished and the west portion of the subject site redeveloped with a commercial office building sometime in the early 2000's. These buildings were eventually demolished sometime in 2013. Neighbouring properties were historically developed for residential, commercial, and light industrial purposes.

Multiple historical potentially contaminating activities (PCAs) were identified within the Phase I study area. Based on the nature of their activities, their separation distance, and their down-gradient or cross-gradient orientation with respect to the subject site, these PCAs are not considered to represent areas of potential environmental concern (APECs). Based on previous subsurface investigations, the former retail fuel outlet on the west portion of the property and the former auto service garage on the east portion of the property are both considered to represent APECs on the subject property.

Following the historical review, a site visit was conducted on May 2, 2019. Several PCAs were identified within the Phase I Study area. Based on their separation distance and their down-gradient or cross-gradient orientation, these PCAs are not considered to represent APECs on the subject property. The subject site is currently vacant and no buildings exist on the property. The site is paved with asphaltic concrete on the east and west portions of the property. Fill material (sand and gravel with light vegetation) of unknown quality was identified throughout the subject property. The presence of fill material on-site is considered to represent an APEC on the subject property.

Based on the results of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment will be required for the subject site.**

8.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Westboro Point Developments Ltd. Permission and notification from Westboro Point Developments Ltd. and Paterson Group will be required to release this report to any other party.

Paterson Group Inc.

Nick Sullivan, B.Sc.

Mark S. D'Arcy, P.Eng.

Report Distribution:

- Westboro Point Developments Ltd.
- Paterson Group Inc.

9.0 REFERENCES

Federal Records
Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
MECP Water Well Inventory.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
Ministry of Natural Resources and Forestry: Areas of Natural Significance.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
The City of Ottawa eMap website.

Local Information Sources
Previous Engineering Reports.
Plan of Survey, prepared by Annis, O’Sullivan, Vollebekk Ltd., dated June 4, 2019

Public Information Sources
Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4435-1 – SITE PLAN

DRAWING PE4435-2 – SURROUNDING LAND USE PLAN

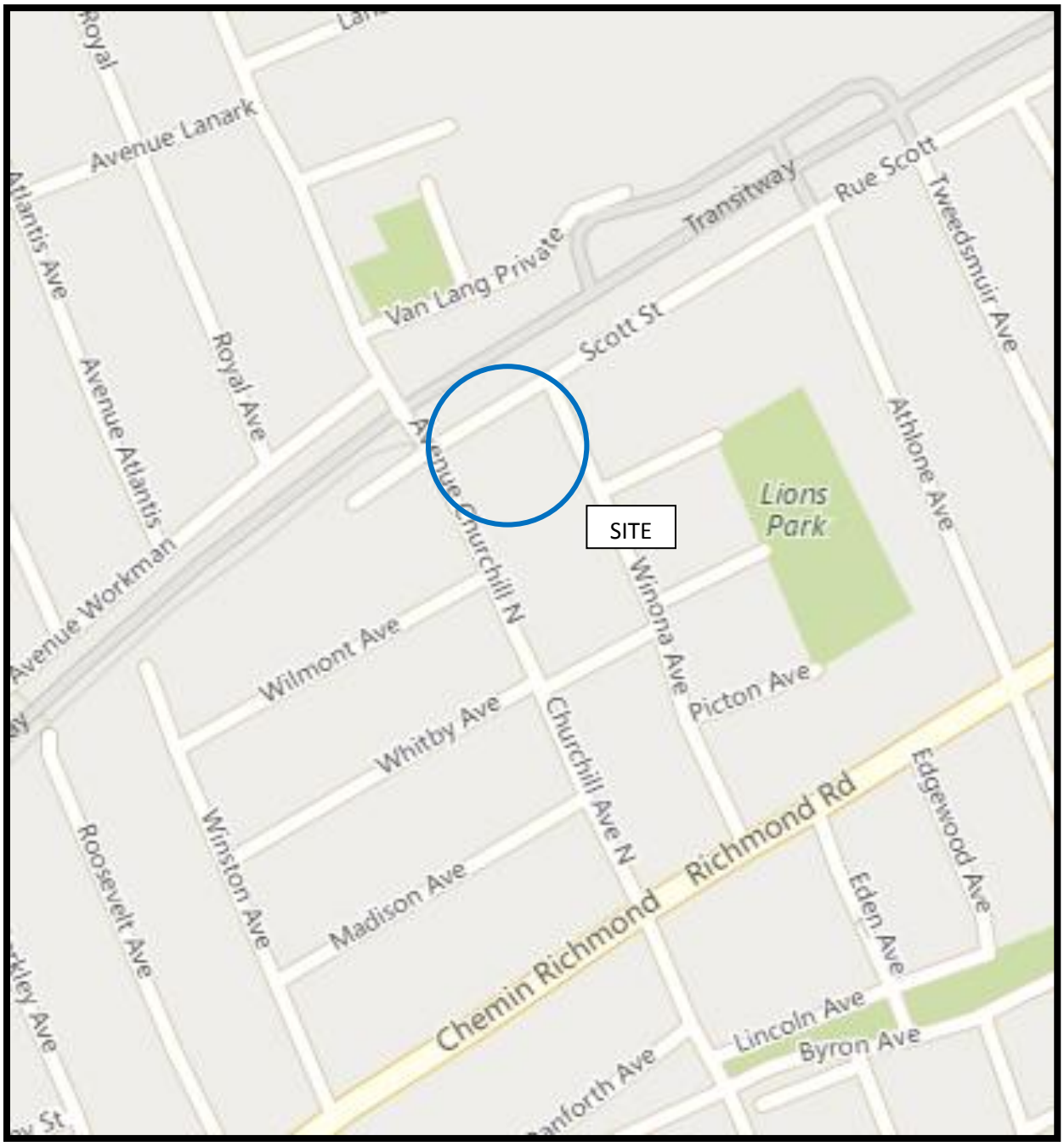


FIGURE 1

KEY PLAN

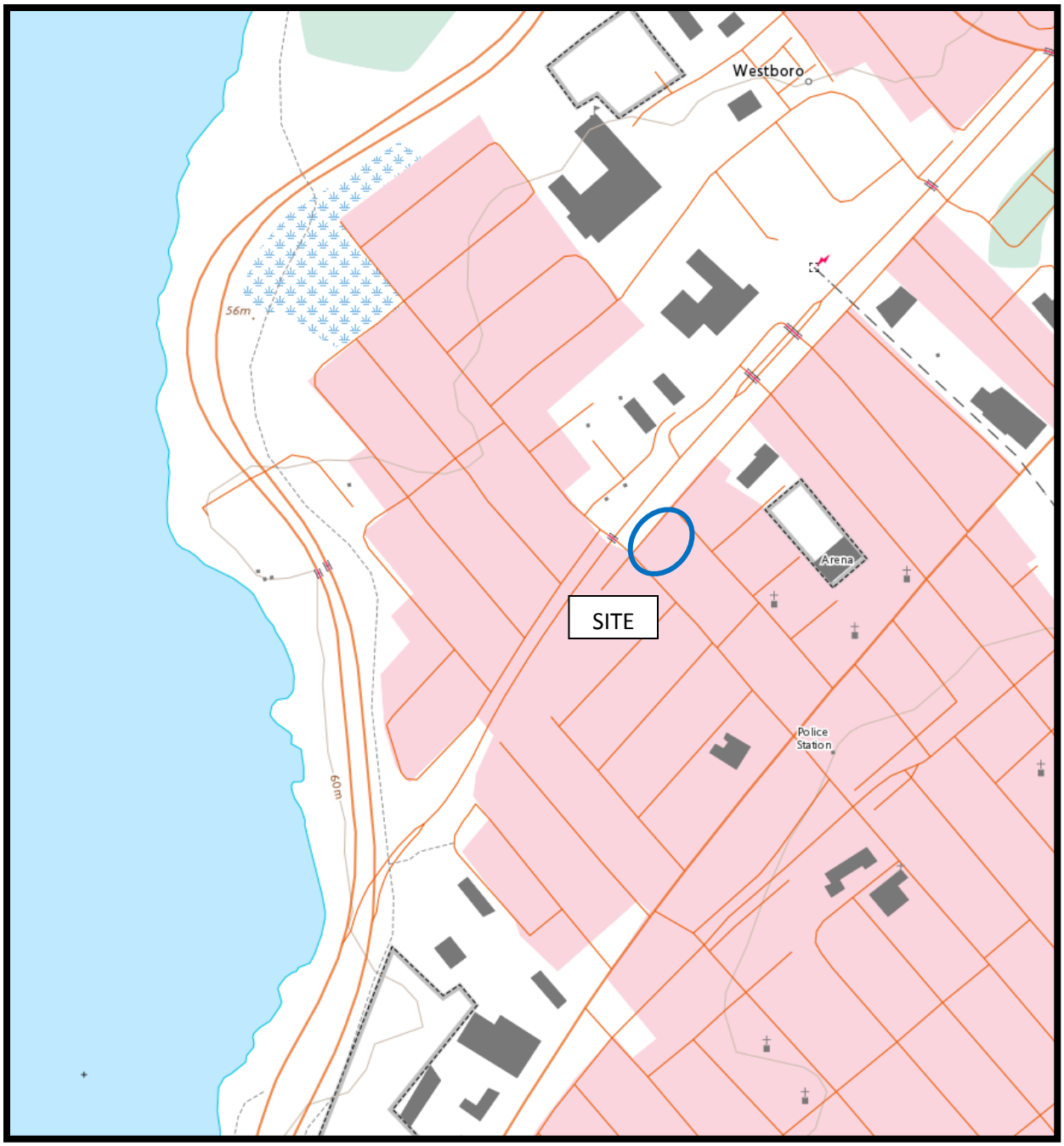
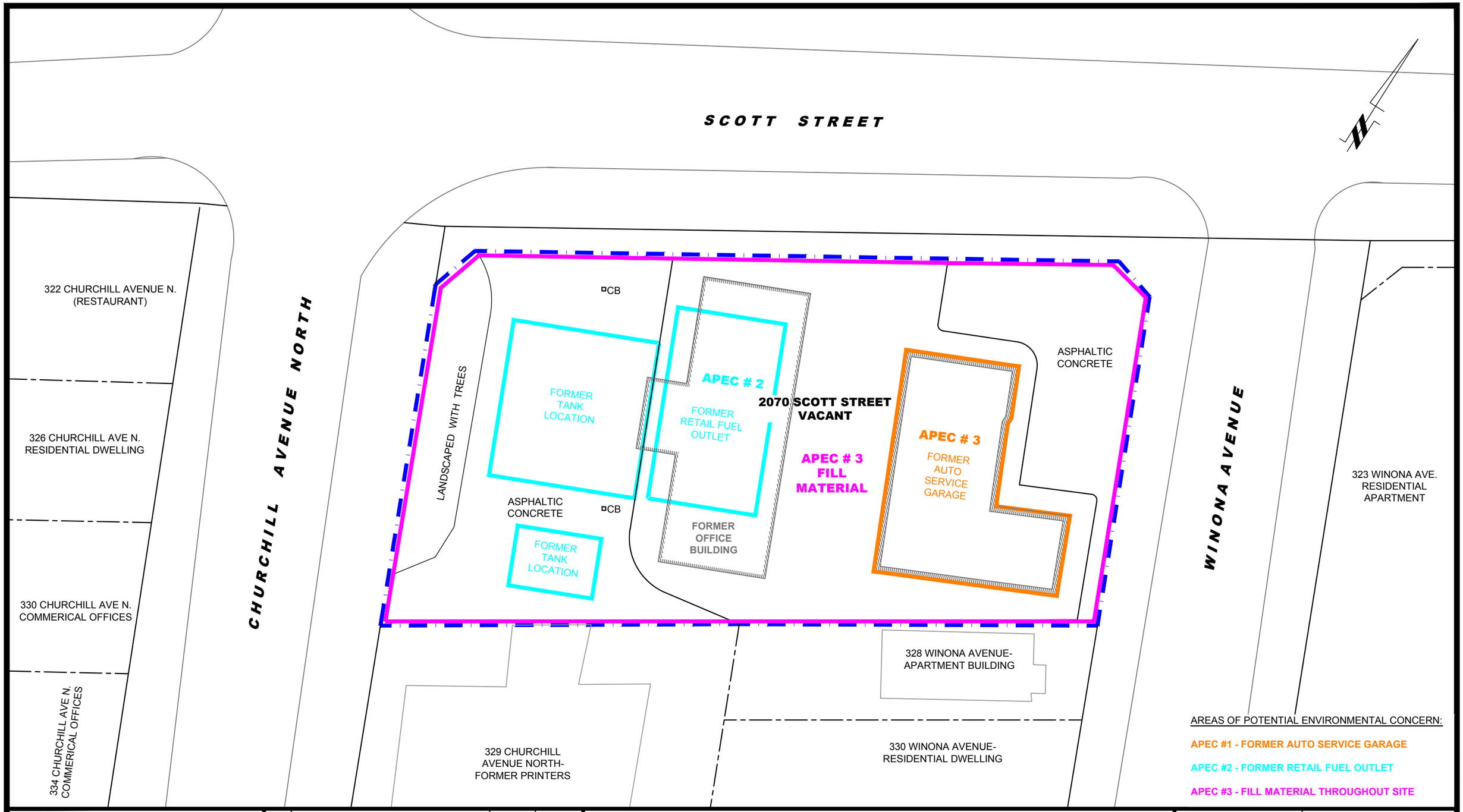


FIGURE 2

TOPOGRAPHIC MAP



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

APEC #1 - FORMER AUTO SERVICE GARAGE

APEC #2 - FORMER RETAIL FUEL OUTLET

APEC #3 - FILL MATERIAL THROUGHOUT SITE

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

WESTBORO POINT DEVELOPMENTS LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
2070 SCOTT STREET

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:300	Date: 07/2019
Drawn by: YA	Report No.: PE4435-1
Checked by: NS	Dwg. No.: PE4435-1
Approved by: MSD	Revision No.:

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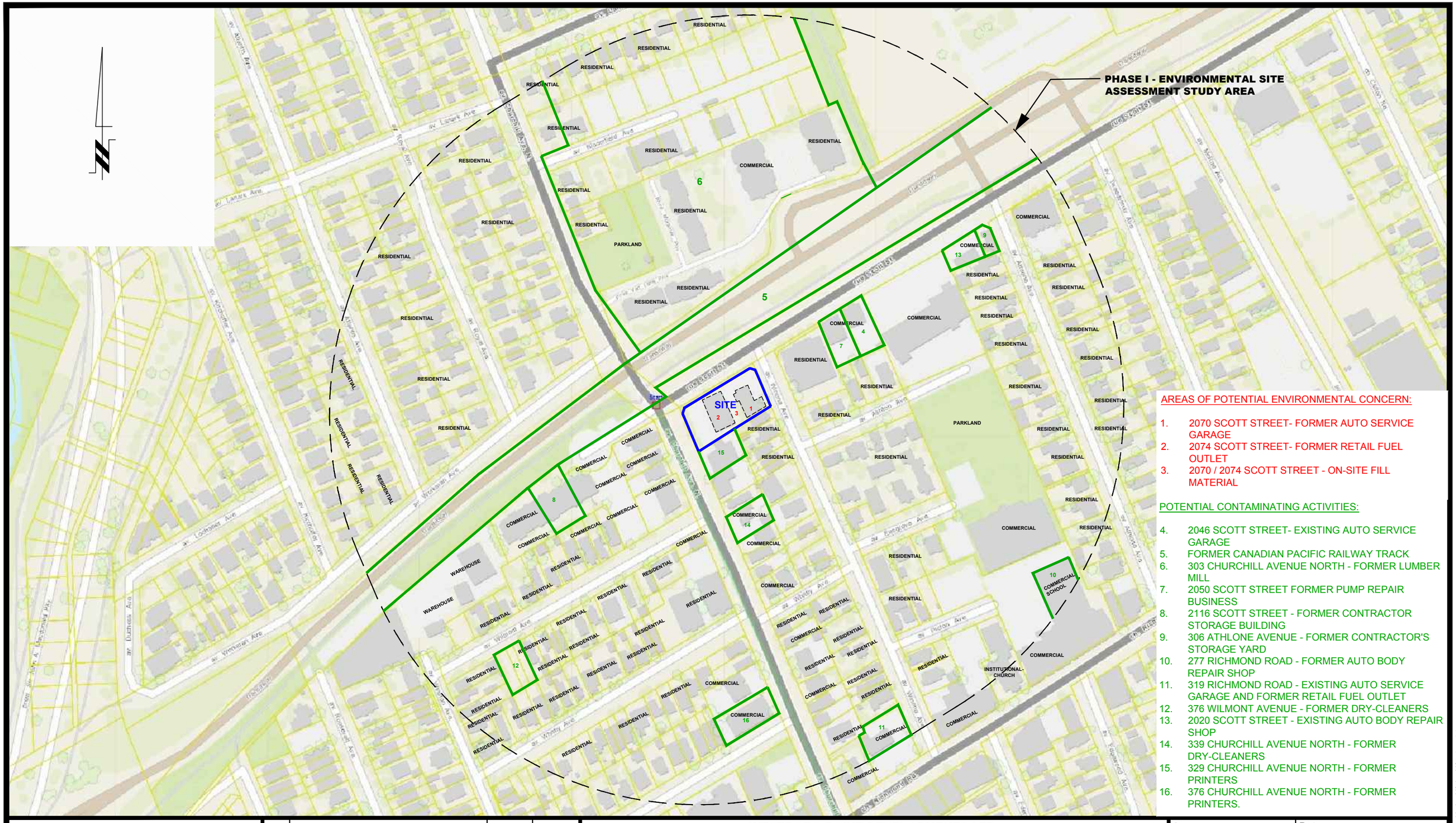
11x17



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1. 2070 SCOTT STREET- FORMER AUTO SERVICE GARAGE
2. 2074 SCOTT STREET- FORMER RETAIL FUEL OUTLET
3. 2070 / 2074 SCOTT STREET - ON-SITE FILL MATERIAL

POTENTIAL CONTAMINATING ACTIVITIES:

4. 2046 SCOTT STREET- EXISTING AUTO SERVICE GARAGE
5. FORMER CANADIAN PACIFIC RAILWAY TRACK
6. 303 CHURCHILL AVENUE NORTH - FORMER LUMBER MILL
7. 2050 SCOTT STREET FORMER PUMP REPAIR BUSINESS
8. 2116 SCOTT STREET - FORMER CONTRACTOR STORAGE BUILDING
9. 306 ATHLONE AVENUE - FORMER CONTRACTOR'S STORAGE YARD
10. 277 RICHMOND ROAD - FORMER AUTO BODY REPAIR SHOP
11. 319 RICHMOND ROAD - EXISTING AUTO SERVICE GARAGE AND FORMER RETAIL FUEL OUTLET
12. 376 WILMONT AVENUE - FORMER DRY-CLEANERS
13. 2020 SCOTT STREET - EXISTING AUTO BODY REPAIR SHOP
14. 339 CHURCHILL AVENUE NORTH - FORMER DRY-CLEANERS
15. 329 CHURCHILL AVENUE NORTH - FORMER PRINTERS
16. 376 CHURCHILL AVENUE NORTH - FORMER PRINTERS.

patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

WESTBORO POINT DEVELOPMENTS LTD.

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
2070 SCOTT STREET

OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:2500	Date: 07/2019
Drawn by: YA	Report No.: PE4435-1
Checked by: NS	PE4435-2
Approved by: MSD	Revision No.:

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APPENDIX 1

PLAN OF SURVEY

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

TOPOGRAPHIC PLAN OF SURVEY

PART OF LOTS 15, 16 AND 17
REGISTERED PLAN 37
CITY OF OTTAWA

Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 150

6 4.5 3.0 1.5 0 3 6 Metres

Metric

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

Surveyor's Certificate

I CERTIFY THAT :

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.
2. The survey was completed on the 3rd day of June, 2019.

Date

V. Andrew Shelp
Ontario Land Surveyor

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
2086248

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

Notes & Legend

⊢□⊣	Denotes	Survey Monument Planted
⊢■⊣	"	Survey Monument Found
SIB	"	Standard Iron Bar
SSIB	"	Short Standard Iron Bar
IB	"	Iron Bar
CP	"	Concrete Pin
(WIT)	"	Witness
Meas.	"	Measured
(AOG)	"	Annis, O'Sullivan, Vollebekk Ltd.
(P1)	"	Plan 4R-18177
(P2)	"	Plan 4R-27373
C/L	"	Centreline
CRW	"	Concrete Retaining Wall
TRW	"	Timber Retaining Wall
BF	"	Board Fence
T/G	"	Top of Grate
□ CB	"	Catch Basin
○ MH-ST	"	Maintenance Hole (Storm Sewer)
○ MH-S	"	Maintenance Hole (Sanitary)
○ MH-T	"	Maintenance Hole (Traffic)
○ MH-H	"	Maintenance Hole (Hydro)
⊖ VC	"	Valve Chamber (Watermain)
⊖ WV	"	Water Valve
⊹ FH	"	Fire Hydrant
∘ SP	"	Water Stand Post
▭ HH	"	Handhole
—— G ——	"	Undergound Gas
—— P ——	"	Underground Power
—— OHW ——	"	Overhead Wires
○ UP	"	Utility Pole
∘ AN	"	Anchor
○ LS	"	Light Standard
∘ B	"	Bollard
△ S	"	Sign
▭ GM	"	Gas Meter
▣ AC	"	Air Conditioner
○ M-W	"	Monitoring Well
	"	Deciduous Tree
	"	Coniferous Tree
ø	"	Diameter
+ 65.00	"	Location of Elevations
+ 65.00	"	Location of Top of Wall Elevations

Bearings are grid, derived from the southerly limit of Scott Street and are referred to the Central Meridian of MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

For bearing comparison, a counter-clockwise rotation of 0°00'30" has been applied to (P1) and (P2).

All bearings and distances between found survey monuments are (P1) and measured unless otherwise noted.

SITE AREA = 1868.5 m²

ELEVATION NOTES

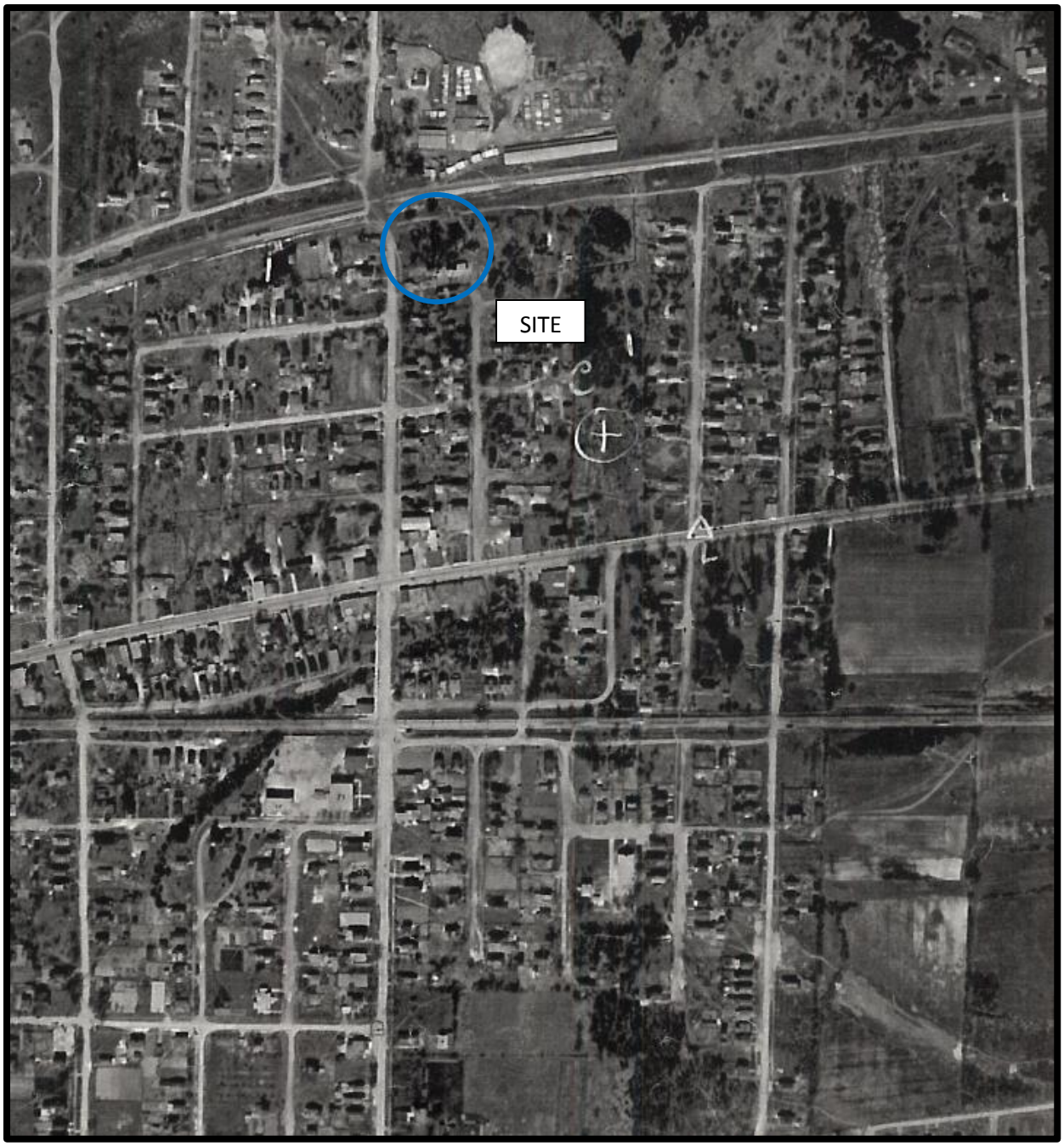
1. Elevations shown are geodetic and are referred to the CGVD28 geodetic datum.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that it's relative elevation and description agrees with the information shown on this drawing.

UTILITY NOTES

1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S8
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovltd.com
Ontario Land Surveyors

Job No. 18031-19 Azura Pt.tsl5-17 P37_T_F ISW



AERIAL PHOTOGRAPH
1928

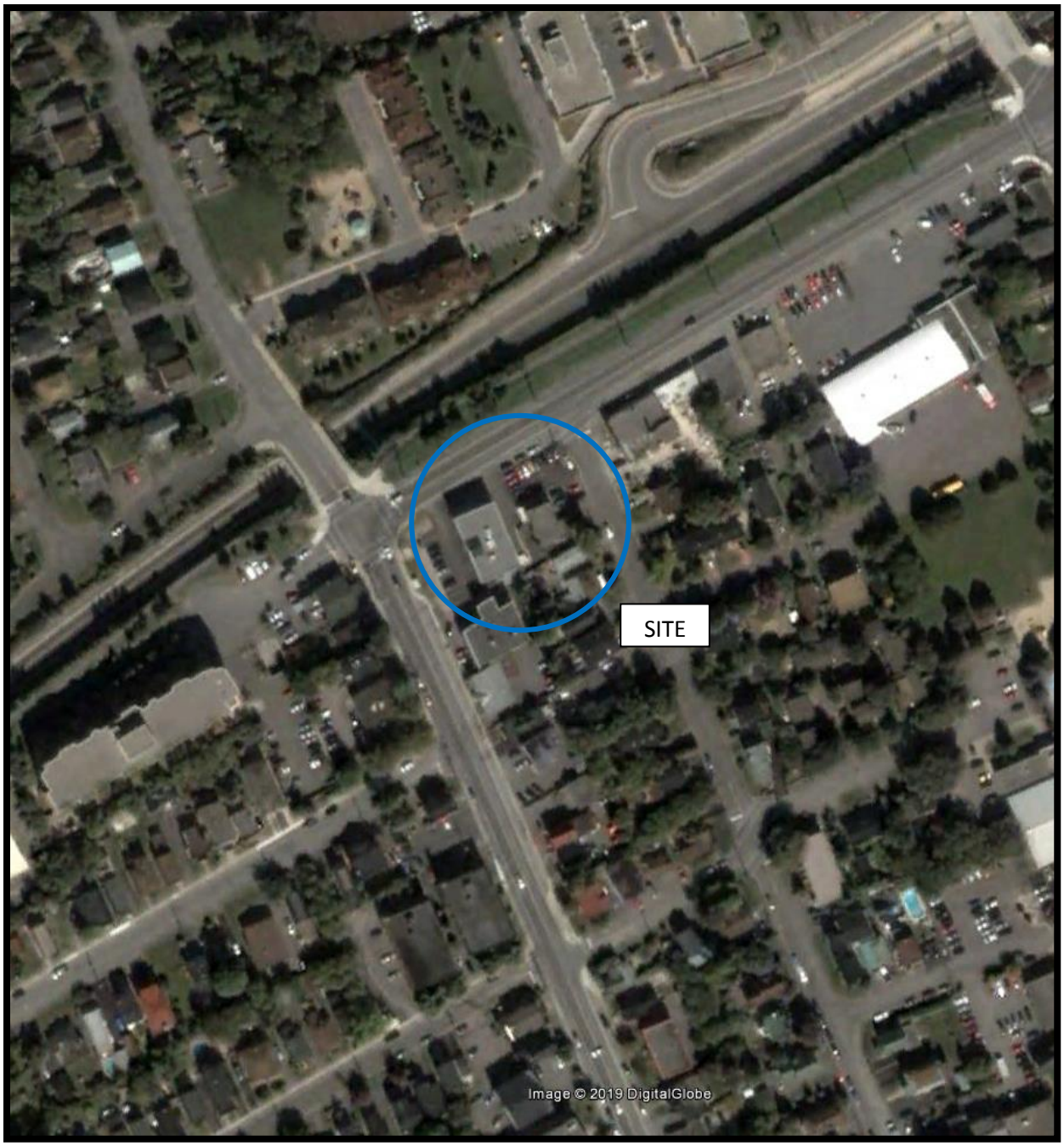
AERIAL PHOTOGRAPH
1945

AERIAL PHOTOGRAPH
1958

AERIAL PHOTOGRAPH
1965

AERIAL PHOTOGRAPH
1976

AERIAL PHOTOGRAPH
1991



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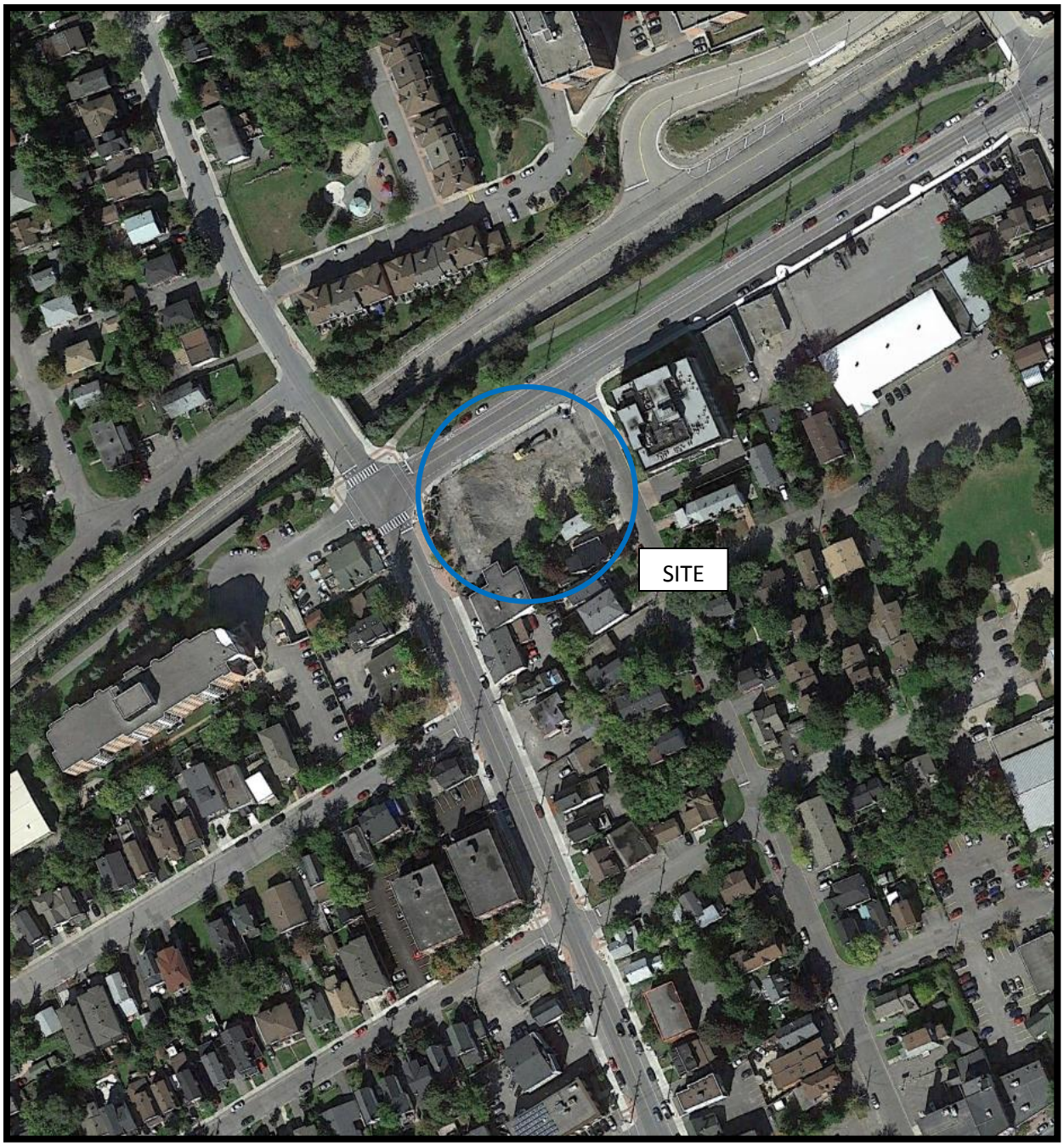
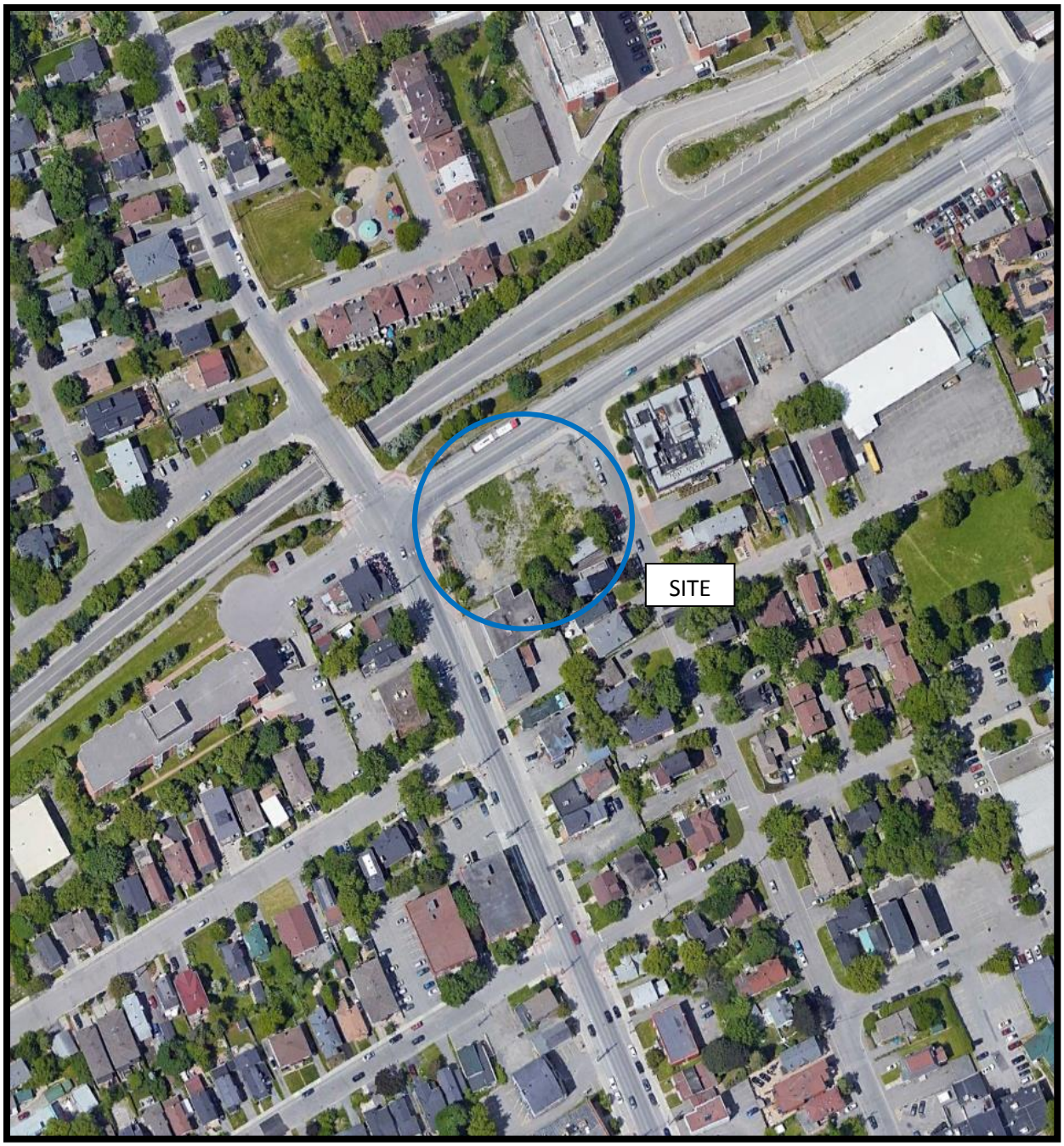
2004



AERIAL PHOTOGRAPH
2013



AERIAL PHOTOGRAPH
2018

patersongroup

Site Photographs

Photograph 1: View of the southwest portion of the property, facing northeast from Churchill Avenue North.

Photograph 2: View of the northwest portion of the property, facing southeast from Churchill Avenue North.

Photograph 3: View of the northeast portion of the property, facing southwest from Winona Avenue.

Photograph 4: View of the southeast portion of the property, facing northwest from Winona Avenue.

Photograph 5: View of a pile of stone, boulders, and concrete blocks, located on the western portion of the property.

Photograph 6: View of the general ground cover in the central portion of the property. A small pile of native soil and gravel can be seen on the northern edge of the property.

APPENDIX 2

MECP FREEDOM OF INFORMATION SEARCH REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

Ontario Ministry of Environment and Energy

Freedom of Information Request

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

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Nick Sullivan Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5 **Email address:** nsullivan@patersongroup.ca			FOI Request No.	Date Request Received
			Fee Paid ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel. 613-226-7381 Fax 613-226-6344	Your Project/Reference No. PE4435	Signature/Print /Name of Requester Nick Sullivan	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

2070 Scott Street, Ottawa, Ontario - Part of Lot 31, Concession 1, Ottawa Front; (formerly the Township of Nepean) in the City of Ottawa

Present Property Owner(s) and Date(s) of Ownership

Azure Urban Developments Inc.

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters *Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.*	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	all
Orders	all
Spills	all
Investigations/prosecutions ➤ Owner **AND** tenant information must be provided	all
Waste Generator number/classes	all

Certificates of Approval ➤ Proponent information must be provided

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

	SD	**Specify Year(s) Requested**
air - *emissions*		1986-present
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*		1986-present
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*		1986-present
waste water - *industrial discharges*		1986-present
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator* sites		1986-present
waste systems - *PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste*		1986-present
pesticides - *licenses*		1986-present

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

Go Back to Map

Well ID

Well ID Number: 7233401
Well Audit Number: *C24060*
Well Tag Number: *A157561*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440867.00 Northing: 5027282.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7238

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

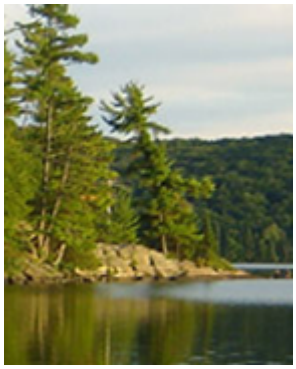
Audit Number: C24060

Date Well Completed: October 28, 2014

Date Well Record Received by MOE: December 12, 2014

Updated: March 7, 2019
Rate Rate
Share facebook twitter Print
Tags

- Environment and energy,
- Drinking water



Ministry of the Environment, Conservation and Parks

The Ministry of the Environment, Conservation and Parks works to protect and sustain the quality of Ontario's air, land, and water. We also coordinate Ontario's actions on climate change in the name of healthier communities, ecological protection and economic prosperity.

Contact Us

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Follow us on Tumblr

Topics

- Business and economy
- Driving and roads
- Education and training

Go Back to Map

Well ID

Well ID Number: 7233868
Well Audit Number: *Z198244*
Well Tag Number: *A168737*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	320 BLORMFIELD RD
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440940.00 Northing: 5027286.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
GREY	----	GRVL	HARD	0 m	.31 m
BRWN	SAND	GRVL	SOFT	.31 m	.91 m

GREY	SHLE	.91 m	4.27 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE FLUSHMOUNT	
.31 m	1.83 m	GROUT BENTONITE	
1.83 m	4.27 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	
DIAMOND	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
3.45 cm	PLASTIC	0 m	2.13 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.21 cm	PLASTIC	2.13 m	4.27 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate

Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	4.27 m	5.6 cm

Audit Number: Z198244

Date Well Completed: October 28, 2014

Date Well Record Received by MOE: December 15, 2014

Updated: March 7, 2019
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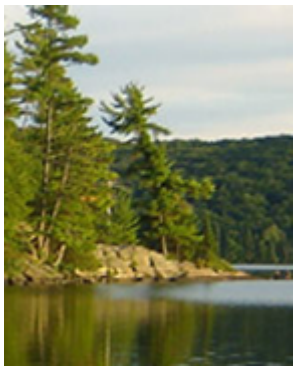
- Drinking water



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Well ID

Well ID Number: 7224473
Well Audit Number: *C22339*
Well Tag Number: *A147227*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 441131.00 Northing: 5026894.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6964

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C22339

Date Well Completed: May 12, 2014

Date Well Record Received by MOE: July 24, 2014

Updated: March 7, 2019
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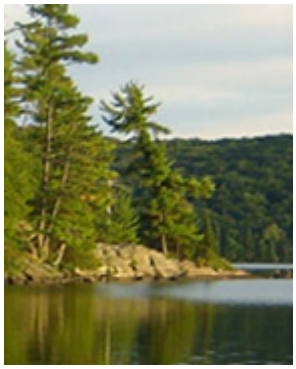

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Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 1532963

Municipality 1SSOR Con.

475 Richmond Rd

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot
Ottawa - Carleton	City of Ottawa					

[redacted]

Address: Ottawa Ont

Date completed: 21 day 06 month 02 year

Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
	Sand & gravel			0	4
grey	limestone			4	51

31

32

41 WATER RECORD

Water found at - feet	Kind of water
10-13	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas 14
15-18	1 ☑ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas 19
20-23	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas 24
25-28	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas 29
30-33	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas 34 60

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
10-11 6 1/4	1 ☑ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic 12	188	0	6 13-16
17-18 8 3/4	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic 19		0	4 20-23
24-25 6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☑ Open hole 5 ☐ Plastic 26		4	51 27-30

SCREEN

Sizes of opening (Slot No.) 31-33	Diameter 34-38 inches	Length 39-40 feet
Material and type	Depth at top of screen 41-44 feet	30

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at - feet From	To	Material and type (Cement grout, bentonite, etc.)
10-13	14-17	
18-21	22-25	
26-29	30-33 80	

71 PUMPING TEST

Pumping test method 10: 1 ☑ Pump 2 ☐ Bailer

Pumping rate 11-14: 1/3 GPM

Duration of pumping 15-16 Hours ... 17-18 Mins: 1 ...

Static level 19-21: 13 feet

Water level end of pumping 22-24: ... feet

Water levels during 25: 1 ☐ Pumping ☒ Recovery

15 minutes 26-28	30 minutes 29-31	45 minutes 32-34	60 minutes 35-37
45 feet	39 feet	33 feet	31 feet

If flowing give rate 38-41: ... GPM

Pump intake set at: ... feet

Water at end of test 42: ☐ Clear ☒ Cloudy

Recommended pump type: ☐ Shallow ☐ Deep

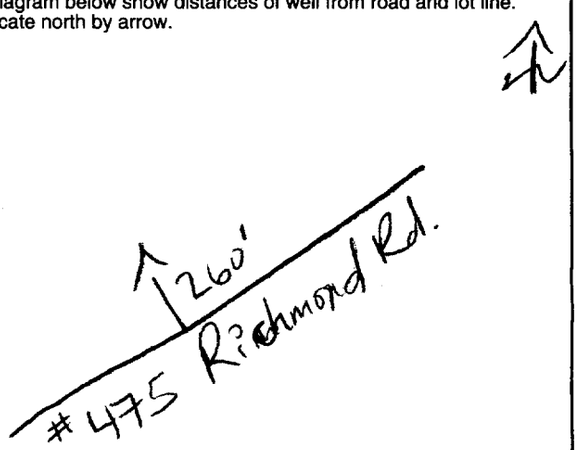
Recommended pump setting 43-45: ... feet

Recommended pump rate 46-49: 1/3 GPM

50-53

LOCATION OF WELL

In diagram below show distances of well from road and lot line.
Indicate north by arrow.



237915

FINAL STATUS OF WELL 54

1 ☑ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

Test hole.

WATER USE 55-56

1 ☑ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☒ Not use 10 ☐ Other

METHOD OF CONSTRUCTION 57

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☑ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Air-Rock Drilling Co Ltd	1119
Address: RR#2 Jasper Ont	
Name of Well Technician: Shannon Purcell	Well Technician's Licence No. T0122
Signature of Technician/Contractor	Submission date: 10 day 07 mo 02 yr

MINISTRY USE ONLY

Data source 58	Contractor 59-62: 1119	Date received 63-68: JUL 29 2002	80
Date of inspection	Inspector		
Remarks: CSS.ES2			

2 - MINISTRY OF THE ENVIRONMENT COPY

Go Back to Map

Well ID

Well ID Number: 7292792
Well Audit Number: *C36222*
Well Tag Number: *A191633*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	031
Concession	OF 01
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 441029.00 Northing: 5026841.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7543

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C36222

Date Well Completed: July 27, 2017

Date Well Record Received by MOE: August 17, 2017

Updated: March 7, 2019
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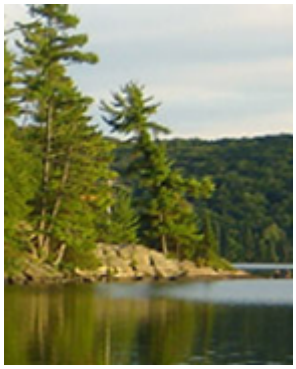

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- Driving and roads
- Education and training

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Well ID

Well ID Number: 7233985
Well Audit Number: *C22617*
Well Tag Number: *A147911*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440863.00 Northing: 5026913.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C22617

Date Well Completed: August 28, 2013

Date Well Record Received by MOE: December 16, 2014

Updated: March 7, 2019
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Tags

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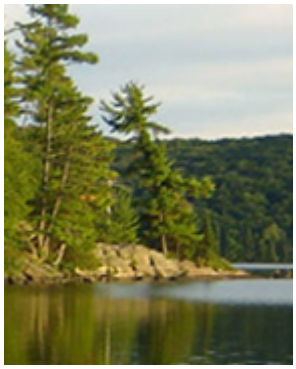

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- Driving and roads
- Education and training

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below): A106606 (A106606)

Well Record

Regulation 903 Ontario Water Resources Act

9014 Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
337 Richmond Rd			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	440971	5026819		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brn	Sand	Gravel	Soft, dry	0	.61
Gry	limestone		Hard, dry	.61	9.14

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	Concrete / flushmount	
.31	1.5	Benseal	
1.5	9.14	Sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☑ Air percussion ☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☑ Test Hole ☑ Monitoring ☐ Livestock ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
4.03	PVC	.368	0	1.5

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.82	PVC	10	1.5	9.14

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	9.14	5.71

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

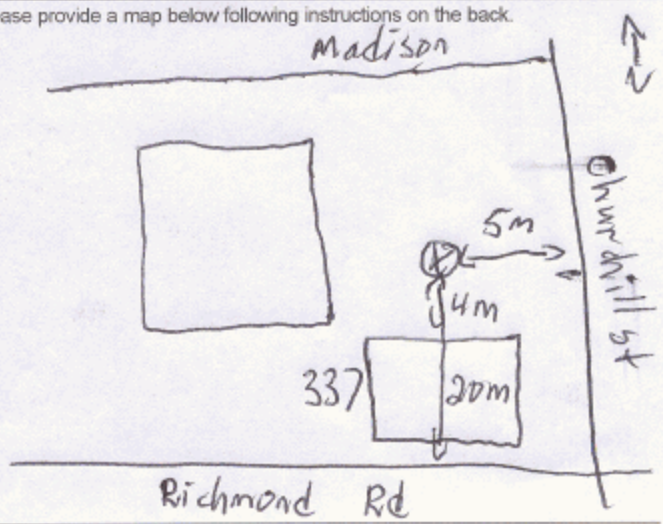
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality
147-2 west Beaver creek Rd	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057649304	Beatty Brian

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2011 09 16

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011 09 08

Ministry Use Only

Audit No. z134378

Received NOV 15 2011

Ministry's Copy

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Well ID

Well ID Number: 7195214
Well Audit Number: *Z157195*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	335 ROOSEVELT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440704.00 Northing: 5026921.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	5.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157195

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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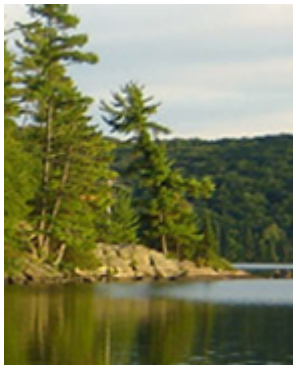
- Environment and energy,
- Drinking water



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Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below): A106749 A106749

Well Record

Regulation 903 Ontario Water Resources Act

8917 Page 3 of 4

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Ultramar Fuels		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
2200 McGill College Avenue	Montreal	QC	H3A 3G3	(800) 363-6949

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
389 Wilmonte Ave			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	449071	5026922		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	fill	stones	soft, loose	0	.31
GRY	shale		layered	.31	1.83
GRY	limestone		hard	1.83	4.67

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	concrete/monument	
.31	.91	bentonite	
.91	4.67	filter sand	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☑ Air percussion
☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☑ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.360	+1	1.22

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	1.22	4.67

Status of Well

☐ Water Supply
☐ Replacement Well
☑ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.52	11.43
1.52	4.67	7.62

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality
147-2 west Beaver Creek Rd	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057649304	Beatty Brian

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2011/08/14

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011/08/12

Ministry Use Only

Audit No. z129549

Received AUG 23 2011

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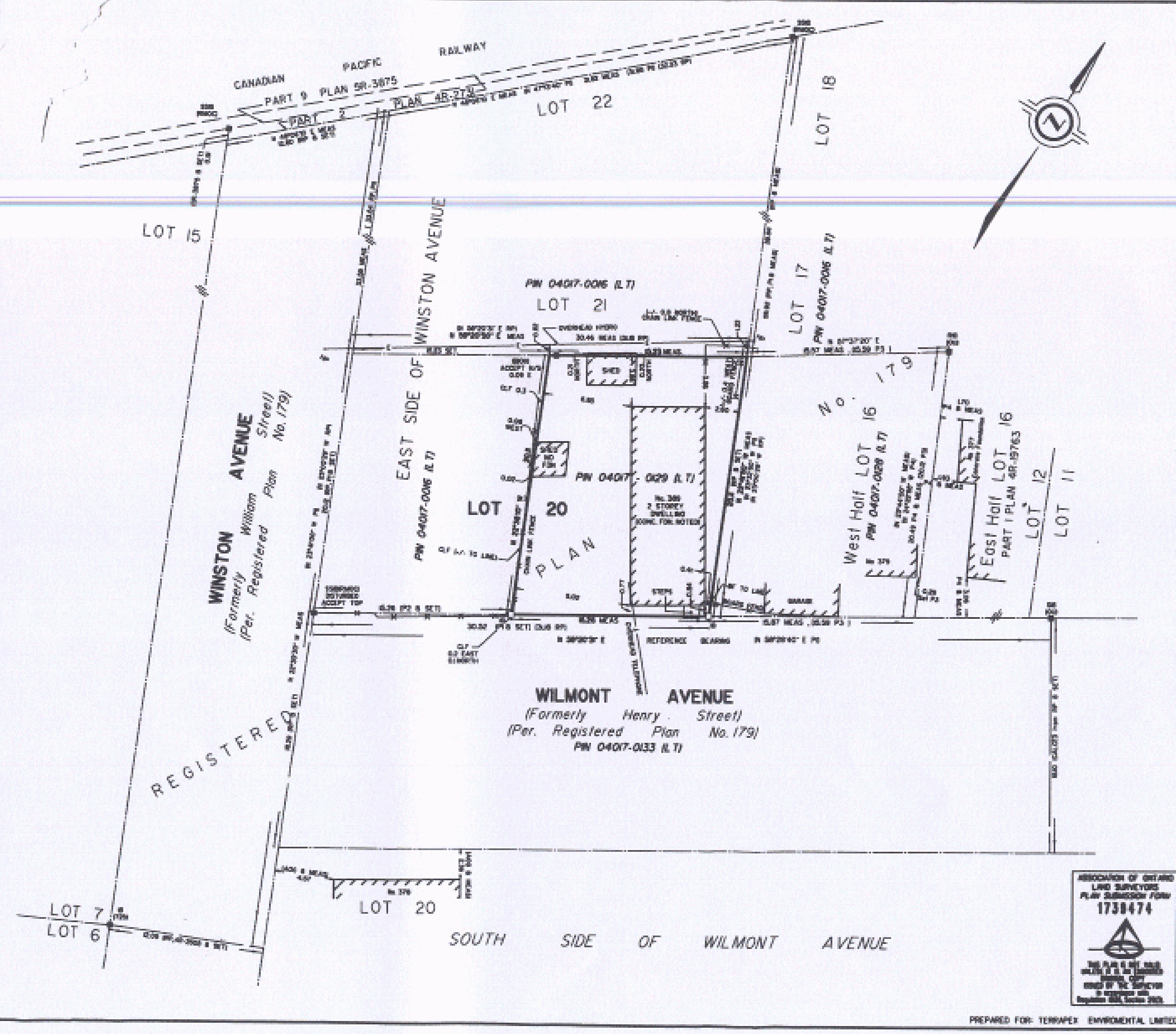
C77241 2129551 2129550 2129549

AUG 23 2011



SURVEYOR'S REAL PROPERTY REPORT

PART 1 - PLAN SHOWING

PART OF LOT 20
EAST SIDE OF WINSTON AVENUE
(FORMERLY WILLIAM STREET)
REGISTERED PLAN No. 179
CITY OF OTTAWA

J. D. BARNES LIMITED

SCALE 1 : 200

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

PART 2 - SURVEY REPORT

- DESCRIPTION
  PART OF LOT 20, EAST SIDE OF WINSTON AVENUE (FORMERLY WILLIAM STREET), REGISTERED PLAN No. 179, CITY OF OTTAWA, ALSO KNOWN AS No. 389 WILMONT AVENUE, BEING PIN 04017-0129 (LT).
- REGISTERED EASEMENTS AND/OR RIGHTS-OF-WAY
  NONE
- ADDITIONAL REMARKS
  NONE

NOTES

BEARINGS ARE ASTRONOMIC AND ARE DERIVED FROM THE NORTHERLY LIMIT OF WILMONT AVENUE (FORMERLY HENRY STREET) AS SHOWN ON REGISTERED PLAN No. 179 HAVING A BEARING OF N 58°20'31" E.

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRON BAR
SSIB	DENOTES	SHORT STANDARD IRON BAR
IB	DENOTES	IRON BAR
RP	DENOTES	REGISTERED PLAN No. 179
P1	DENOTES	PLAN 4R-2731
P2	DENOTES	PLAN OF SURVEY BY FARLEY & MARTIN LTD DATED JUNE 30th, 1980
P3	DENOTES	PLAN OF SURVEY BY FARLEY & MARTIN LTD DATED JUNE 15th, 1973
P4	DENOTES	PLAN OF SURVEY BY FARLEY, SMITH & DENIS LTD DATED FEBRUARY 7th, 2005
(RMOC)	DENOTES	REGIONAL MUNICIPALITY OF OTTAWA-CARLETON
(AOG)	DENOTES	ANNIS, O'SULLIVAN & VOLLEBEKK LTD.
(OU)	DENOTES	ORIGIN UNKNOWN
CLF	DENOTES	CHAIN LINK FENCE
BF	DENOTES	BOARD FENCE
MEAS	DENOTES	MEASURED
PROP	DENOTES	PROPORTIONING
HP	DENOTES	HYDRO POLE
-- E --	DENOTES	OVERHEAD WIRES

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON SEPTEMBER 20th, 2009.

DATE SEPTEMBER 17th, 2009

GEORGE ZOOBOS
ONTARIO LAND SURVEYOR

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
1738474

PREPARED FOR: TERRAPEX ENVIRONMENTAL LIMITED

J.D.BARNES LIMITED
SURVEYING PLANNING MAPPING GIS
LAND INFORMATION SPECIALISTS

DRAWN BY: FL	CHECKED BY: GZ	REFERENCE NO.: 09-10-132-00
FILE:		DATED: 09/15/2009
		PLOTTED: 17 SEP 2009

8917

Page 4 of 4

Go Back to Map

Well ID

Well ID Number: 7195216
Well Audit Number: *Z157193*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	335 ROOSEVELT AVE.
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440717.00 Northing: 5026934.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157193

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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Tags

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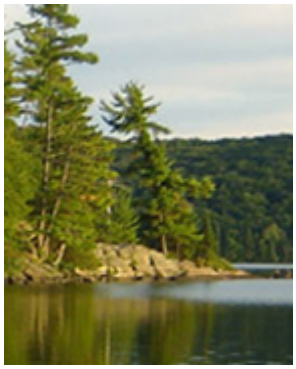
- Drinking water



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Topics

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Well ID

Well ID Number: 7195213
Well Audit Number: *Z157196*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	335 ROOSEVELT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440719.00 Northing: 5026922.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC		

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm
1.83 m	4.57 m	

Audit Number: Z157196

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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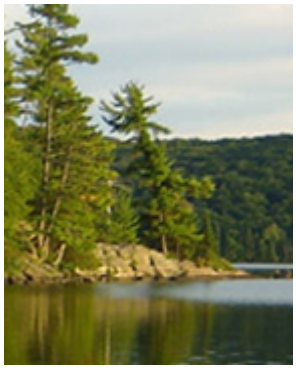

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Topics

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Well ID

Well ID Number: 7195215
Well Audit Number: *Z157194*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	335 ROOSEVELT AVE,
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440719.00 Northing: 5026924.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157194

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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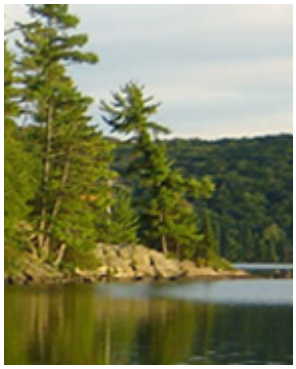

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Topics

Ontario — Ministry of the Environment

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below): A106748 A106748

8917 Page 2 of 4

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Ultramar Fuels		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
2200 McGill College Avenue	Montreal	QC	H3A 3G3	(800) 363-6949

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
389 Wilmonte Ave			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	440716	5026927		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	fill	boulders	loose, hard	0	.61
GRY	shale		layered	.61	1.83
GRY	limestone		hard	1.83	4.67

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	concrete/monument	
.31	1.22	bentonite	
1.22	4.67	filter sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☑ Air percussion ☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☑ Test Hole ☑ Monitoring ☐ Livestock ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.360	+1	1.22

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	1.22	4.67

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.52	11.43
1.52	4.67	7.62

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7246

Business Address (Street Number/Name)	Municipality
147-2 west Beaver creek Rd	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B 1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057649304	Beatty Brian

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3016		2011 08 24

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011 08 12

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Audit No. z129550

Received AUG 23 2011

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Go Back to Map

Well ID

Well ID Number: 7195210
Well Audit Number: *Z157179*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440722.00 Northing: 5026932.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.61 m	BENSEAL	
.61 m	3.35 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	.61 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	.61 m	3.35 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.35 m	6.03 cm

Audit Number: Z157179

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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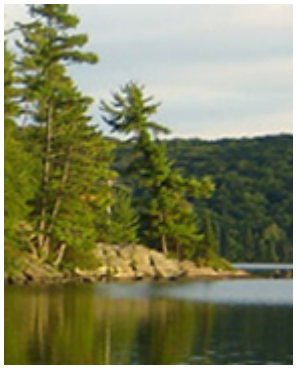

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Topics

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Well ID

Well ID Number: 7195209
Well Audit Number: *Z157182*
Well Tag Number: *A106748*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440720.00 Northing: 5026932.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	3.96 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	.91 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	.91 m	3.96 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	2.44 m	6.03 cm
2.44 m	3.96 m	5.2 cm

Audit Number: Z157182

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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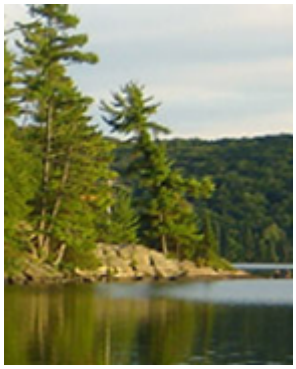
- Environment and energy,
- Drinking water



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Well ID

Well ID Number: 7195217
Well Audit Number: *Z157192*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	335 ROOSEVELT AVE.
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440722.00 Northing: 5026936.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157192

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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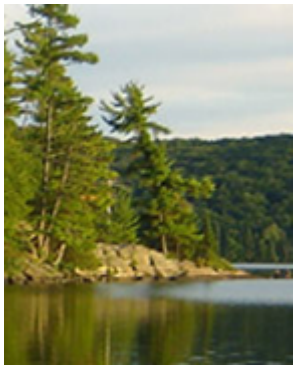
Tags

- Environment and energy,
- Drinking water



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Well ID

Well ID Number: 7195208
Well Audit Number: *Z157178*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440723.00 Northing: 5026926.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	3.35 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	.61 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	.61 m	3.35 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.35 m	6.03 cm

Audit Number: Z157178

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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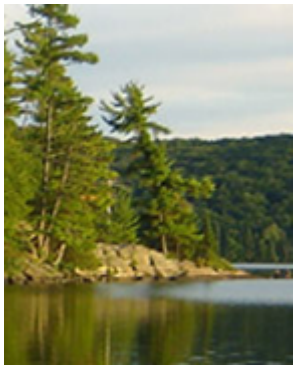
Tags

- Environment and energy,
- Drinking water



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Well Record for Well Cluster - Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)

Regulation 903 Ontario Water Resources Act

All measurements recorded in: ☑ Metric ☐ Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: *(Print Well Tag No.)* A119073

Well # on Drawing of Deepest Well: MW 501 9.14m

Page _____ of _____

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available)	Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
389 Wilmont Avenue	20		Ottawa	Ottawa Carleton

City, Town, Village or Hamlet	Province	GPS Unit Make	Model	Unit Mode of Operation
Ottawa	Ontario	Magellan		☑ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Mandatory Attachments/Additional Information

☒ Land Owner Consent Form must be attached.

☒ Detailed Drawing of All Well Locations must be attached.

I, the person constructing the well, will promptly submit to the Director, on request, any additional information in my custody or control related to any well in the well cluster that I have constructed.

Signature of Technician/Contractor _____ Date (yyyy/mm/dd) _____

Well Details

Well # on Drawing	UTM Coordinates Zone	Easting	Northing	Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft) From	Casing (m/ft) To	Screen Interval (m/ft) From	Screen Interval (m/ft) To	Annular Space Material (m/ft) From	Annular Space Material (m/ft) To	Annular Space Material:	Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
MW 500	18	440723	5026926	3.34	22	HS Auger	2" plastic	0	0.80	0.80	3.34	0	0.65	hole plug			2012/01/31
												0.65	3.34	filter sand			
MW 501	18	440731	5026936	9.14	"	"	"	0	6.12	6.12	9.14	0	5.90	hole plug			2012/02/01
												5.90	9.14	filter sand			
MW 502	18	440723	5026928	3.36	"	"	"	0	0.83	0.83	3.36	0	0.65	hole plug			2012/01/31
												0.65	3.36	filter sand			
MW 503	18	440723	5026926	5.18	"	"	"	0	1.30	1.30	5.18	0	1.00	hole plug			"
												1.00	5.18	filter sand			
MW 504	18	440728	5026921	9.14	"	"	"	0	6.12	6.12	9.14	0	5.87	hole plug			"
												5.87	9.14	filter sand			

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
OGS INC	5518 Appleton Side Road	Almonte	Ont

Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address
K0A 1A0	613-256-7666	6964	ogsinc@bellnet.ca

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Signature of Well Technician	Date Submitted (yyyy/mm/dd)
Jason Stryde	3634		2012/09/24

Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)	Date Last Well in Cluster Completed (yyyy/mm/dd)
2012/01/31	2012/02/01

Well Abandonment

Person Abandoning the Wells:

Name _____ (Print or Type) - See instruction 11 on the back of this form

Ministry Use Only

Date Received (yyyy/mm/dd)	Audit No.
SEP 28 2012	C 18253

Comments: Z150530

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Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

We A119073 (Print Below) A119073

Well Record

Regulation 903 Ontario Water Resources Act

Page ____ of ____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
Ultramar	Limited		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
2200 McGill College Ave	Montreal	Quebec	H3A3G3	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
389 Wilmont Avenue	Ottawa	20	

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa Carleton	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441072	5026926	179E	

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
			gravel	0	3.34
		MW 500 was	tagged		

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	0.65	hole plug	1 bag
0.65	3.34	filter sand	3 bags

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, specify HS Auger

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☑ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.2	plastic	0.4	0	0.65

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.0	plastic	10	0.65	3.34

Status of Well

☐ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water	Water found at Depth (m/ft)	Kind of Water	Water found at Depth (m/ft)	Kind of Water
☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify	☐ Gas	☐ Fresh ☐ Untested ☐ Other, specify

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	3.34	22

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Site plan and area map all enclosed.

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
DGS INC	6964

Business Address (Street Number/Name)	Municipality
5518 Appleton Side Road	Almonte

Province	Postal Code	Business E-mail Address
Ontario	K0A1A0	ogsinc@bellnet.ca

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6132567666	Stryde, Jason

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3634		2012/09/24

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2012/02/03

Ministry Use Only

Audit No. Z150530

SEP 28 2012 Received

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Ontario Ministry of the Environment

Well Record for Well Cluster - Part 3 of 3
Detailed Drawing of All Well Locations

Note: This **Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations,** must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the **Well Record for Well Cluster Parts 1 and 2.** The well with the well tag must be clearly identified on the Drawing.
UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # A119073

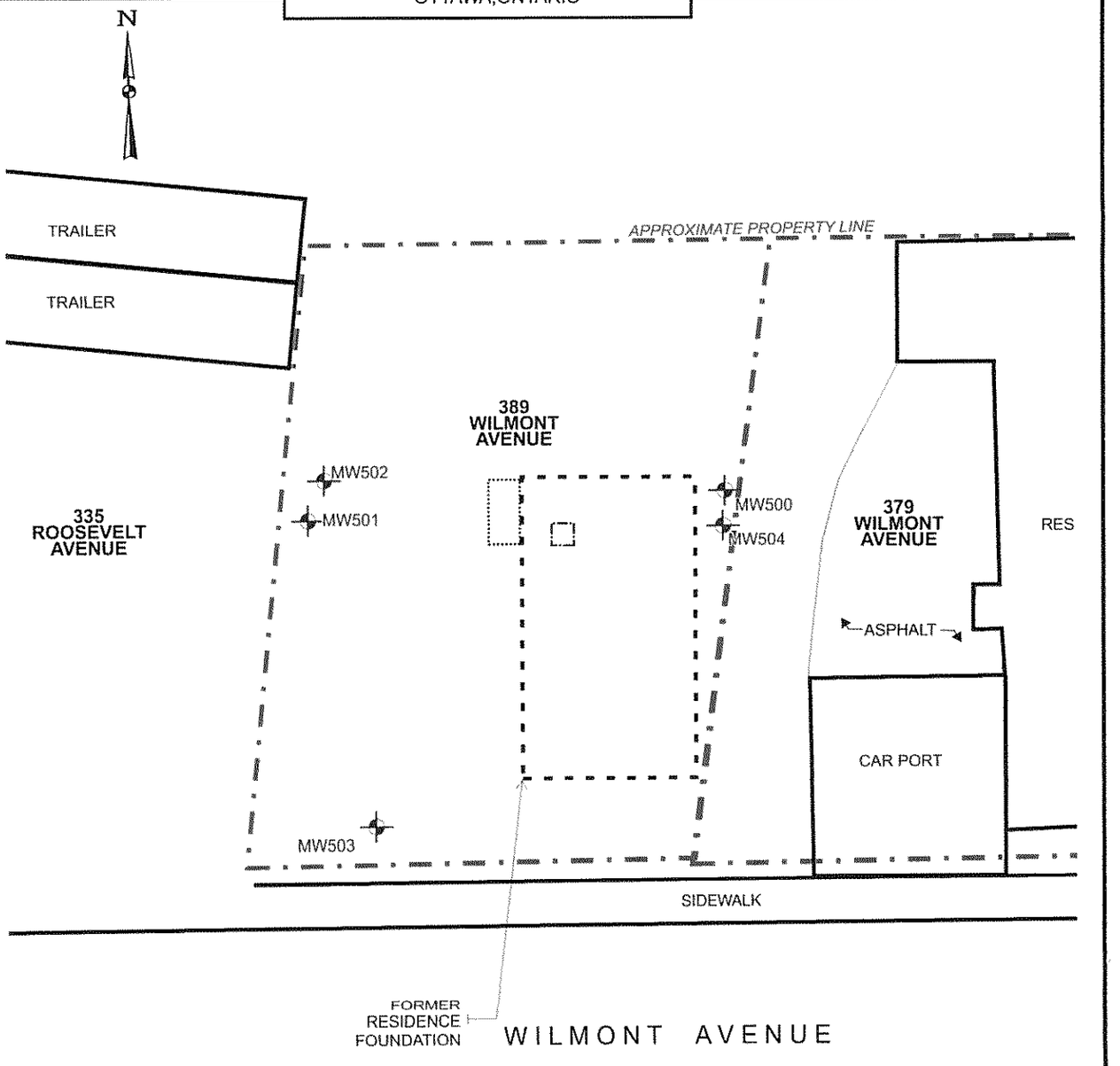
"Well Record for Well Cluster" Form Audit Number: # C18253

TERRAPEX Environmental Ltd.

GENERAL SITE LAYOUT

389 WILMONT AVENUE, OTTAWA, ONTARIO

CLIENT: GOWLINGS/AVIVA



LEGEND

- MONITORING WELL
- MONITORING WELL (DECOMMISSIONED)
- MANHOLE
- CATCH BASIN

SEP 2 8 2012

C-6964
2150530
C18253

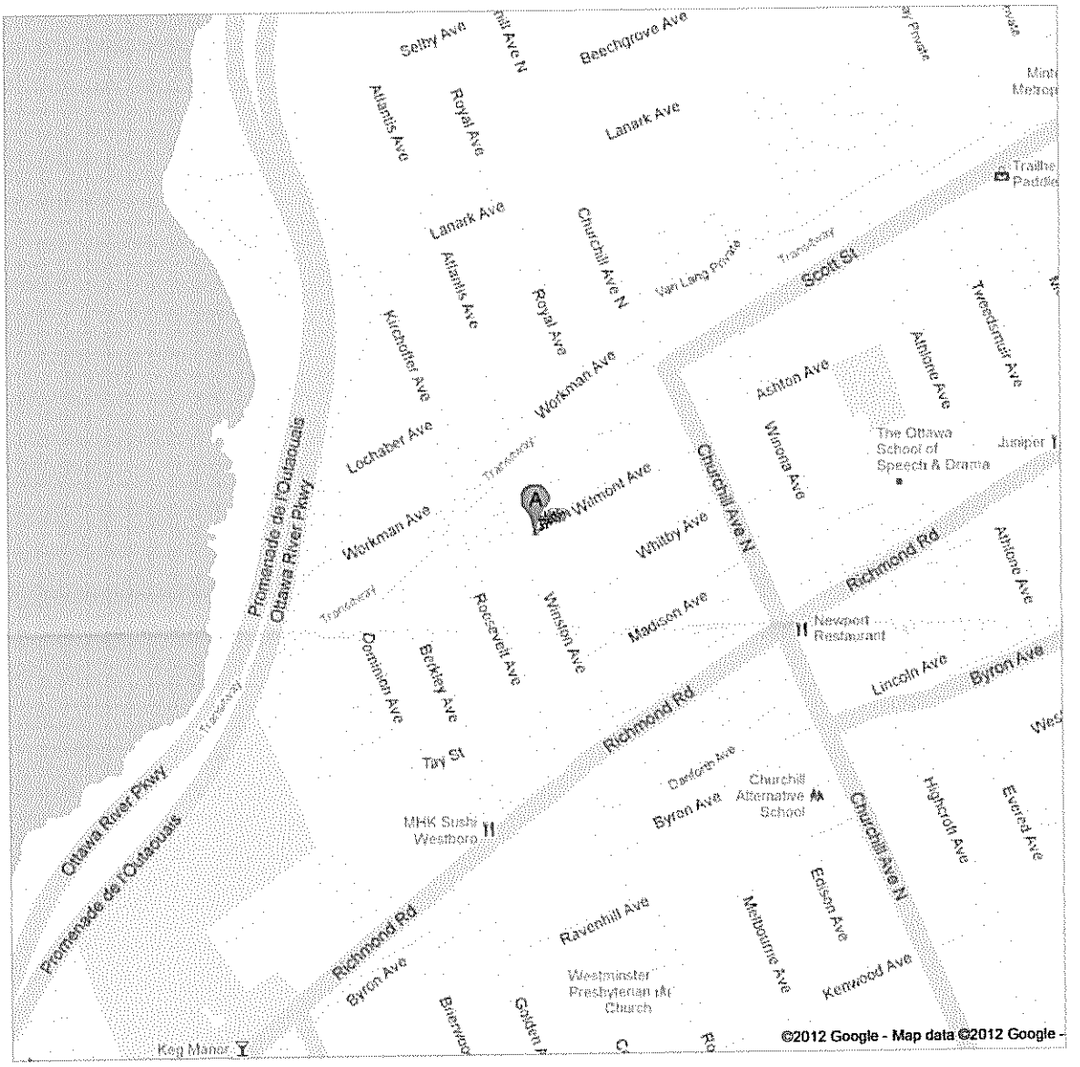
0 5m 10m
(APPROXIMATE)

PROJECT #	CO261.03
SCALE	AS SHOWN
DATE	JULY 2012
DRAWN	ECV/RN
CHECKED	CJB
DRAWING #	FIGURE 2

Google

Address **389 Wilmont Ave**
Ottawa, ON K1Z 5B9, Canada

Get Google Maps on your phone
Text the word "GMAPS" to 466453



SEP 2 8 2012

C 6964
C 18253
215030

Go Back to Map

Well ID

Well ID Number: 7195211
Well Audit Number: *Z157180*
Well Tag Number: *A119073*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440728.00 Northing: 5026932.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	9.14 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	3.1 m	6.03 cm
3.1 m	9.14 m	5.2 cm

Audit Number: Z157180

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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Tags

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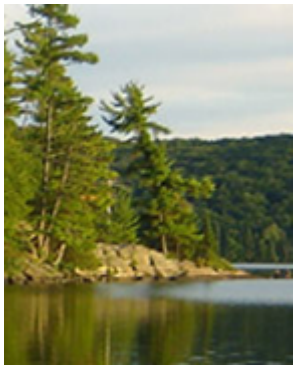

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Well ID

Well ID Number: 7195212
Well Audit Number: *Z157181*
Well Tag Number: *A106747*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440730.00 Northing: 5026927.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.27 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.22 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	1.22 m	4.27 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	4.27 m	6.03 cm

Audit Number: Z157181

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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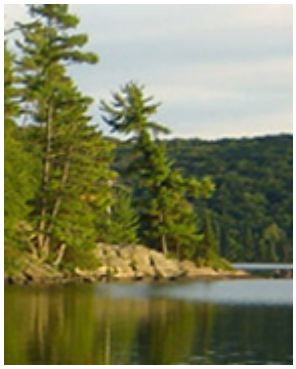
Tags

- Environment and energy,
- Drinking water



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Well ID

Well ID Number: 7240885
Well Audit Number: *Z186914*
Well Tag Number: *A173739*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	205 LANARK AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 441027.00 Northing: 5027272.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	STNS	SOFT	0 m	1.22 m
GREY	LMSN	LYRD		1.22 m	6.1 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	
.31 m	2.74 m	BENTONITE	
2.74 m	6.1 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	3.1 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	3.1 m	6.1 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level

If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	2.13 m	11.43 cm
2.13 m	6.1 m	7.62 cm

Audit Number: Z186914

Date Well Completed: April 17, 2015

Date Well Record Received by MOE: May 05, 2015

Updated: March 7, 2019
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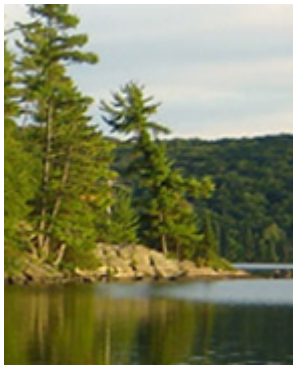
- Environment and energy,
- Drinking water



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Ontario — Ministry of the Environment

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below): A106747 A106747

8917 Page 1 of 4

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Ultramar Fuels		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. (inc. area code)
2200 McGill College Avenue	Montreal	QC	H3A 3J3	(800) 363-6949

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
389 Wilmonte Ave			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	440730	5026919		

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	fill	stones	soft, loose	0	.31
GRY	shale		~~fractured~~ layered	.31	1.83
GRY	limestone		hard	1.83	4.67

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	concrete/monument	
.31	.91	bentonite	
.91	4.67	filter sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☑ Air percussion ☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☐ Livestock ☑ Test Hole ☑ Monitoring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.360	+1	1.22

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	1.22	4.67

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water: ☐ Fresh ☐ Untested ☐ Gas ☐ Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	1.52	11.43
1.52	4.67	7.62

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

See Map

Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
147-2 west Beaver creek Rd	Richmond Hill	ON	L4B1C6	wsrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
9057649304	Beatty Brian	3616		2011 08 14

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011 08 12

Ministry Use Only

Audit No. z129551

Received AUG 23 2011

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Well ID

Well ID Number: 7195202
Well Audit Number: *Z157189*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	379 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440737.00 Northing: 5026939.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157189

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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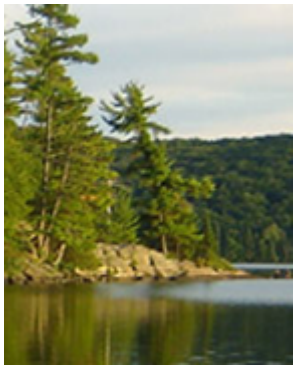

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Well ID

Well ID Number: 7195204
Well Audit Number: *Z157187*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	379 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440740.00 Northing: 5026940.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.61 m	BENSEAL	
.61 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.21 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	

Audit Number: Z157187

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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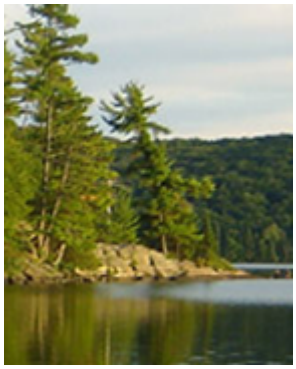
- Drinking water



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Well ID

Well ID Number: 7195203
Well Audit Number: *Z157188*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	379 WILMONT AVE.
Township	OTTAWA CITY
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440737.00 Northing: 5026942.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.21 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157188

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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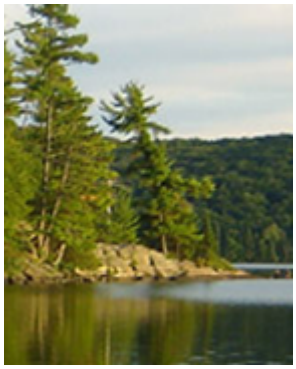
- Drinking water



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Well ID

Well ID Number: 7195200
Well Audit Number: *Z157191*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	379 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440740.00 Northing: 5026932.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.61 m	BENSEAL	
.61 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157191

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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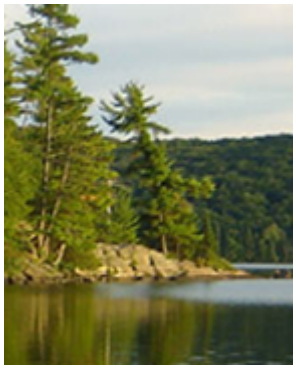
- Drinking water



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Well ID

Well ID Number: 7183813
Well Audit Number: *Z148673*
Well Tag Number: *A032169*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT AVE
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440739.00 Northing: 5026916.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENTONITE	
.91 m	4.57 m	GROUT (BENTONITE)	

Method of Construction & Well Use

Method of Construction	Well Use
	Monitoring and Test Hole

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	1.52 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	1.52 m	4.57 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m		

Audit Number: Z148673

Date Well Completed: June 05, 2012

Date Well Record Received by MOE: July 06, 2012

Updated: March 7, 2019
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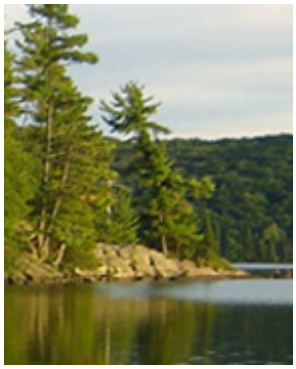
Tags

- Environment and energy,
- Drinking water



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Well ID

Well ID Number: 7195205
Well Audit Number: *Z157186*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	379 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440747.00 Northing: 5026937.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.61 m	BENSEAL	
.61 m	4.57 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
HAND PULLED	

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.21 cm	PLASTIC	0 m	1.83 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm			

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	6.03 cm

Audit Number: Z157186

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
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Tags

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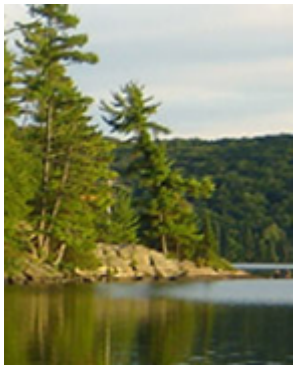
- Drinking water



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Well ID

Well ID Number: 7195206
Well Audit Number: *Z157185*
Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	389 WILMONT AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440747.00 Northing: 5026937.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.91 m	BENSEAL	
.91 m	5.18 m	GROUT SLURRY	

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.21 cm	PLASTIC	0 m	2.13 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	2.13 m	6.03 cm

Audit Number: Z157185

Date Well Completed: December 14, 2012

Date Well Record Received by MOE: January 15, 2013

Updated: March 7, 2019
Rate Rate
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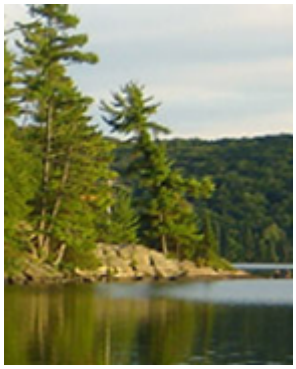
Tags

- Environment and energy,
- Drinking water



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Topics

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Well ID

Well ID Number: 7240887
Well Audit Number: *Z198130*
Well Tag Number: *A173738*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	205 LANARK AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 441026.00 Northing: 5027279.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM	STNS	FILL	0 m	1.22 m
GREY	LMSN	LYRD		1.22 m	15.24 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 m	.31 m	CONCRETE/FLUSHMOUNT	
.31 m	11.58 m	BENTONITE	
11.58 m	15.24 m	FILTER SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Air Percussion	
	Monitoring and Test Hole

Status of Well

Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	12.19 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	12.19 m	15.24 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level

If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	1.83 m	11.43 cm
1.83 m	15.24 m	7.62 cm

Audit Number: Z198130

Date Well Completed: April 17, 2015

Date Well Record Received by MOE: May 05, 2015

Updated: March 7, 2019
Rate Rate
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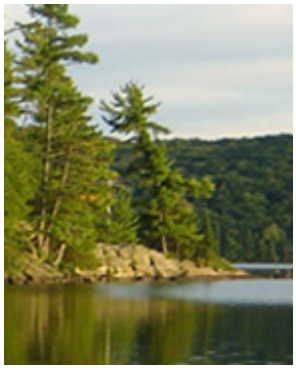
Tags

- Environment and energy,
- Drinking water



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Ontario Ministry of the Environment

Well Tag Number (Copy from below) A029527

A029527

Well Record

Regulation 903 Ontario Water Resources Act

page 1 of 2

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10th of a metre.**
- Please print clearly in blue or black ink only.

Ministry Use Only

MUN | CON | LOT

Well Owner's Information and Location of Well Information

[redacted]

Ottawa

RR#/Street Number/Name: 309 Athlone Avenue

City/Town/Village: Ottawa

Site/Compartment/Block/Tract etc.:

GPS Reading: NAD 83 | Zone 18 | Easting 441130 | Northing 5027223

Unit Make/Model: Garmin GPS map 76

Mode of Operation: ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Depth To (Metres)
	Asphalt concrete		Typical Monitoring Well Installation (5 wells as a cluster)	0	.10
DK Brown	Silty sand	gravel		0.10	1.27
Brown	Sandy silt			1.27	1.52
Grey	Limestone	shale layers		1.52	4.70

Hole Diameter

Depth From	Depth To (Metres)	Diameter (Centimetres)
0	4.70	20

Water Record

Water found at ___ Metres / Kind of Water

- ___ m: ☐ Fresh ☐ Salty ☑ Sulphur ☐ Minerals ☐ Gas ☐ Other:
- ___ m: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other:
- ___ m: ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals ☐ Gas ☐ Other:

After test of well yield, water was: ☐ Clear and sediment free ☐ Other, specify

Chlorinated ☐ Yes ☑ No

Construction Record

Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Depth To (Metres)
Casing				
50 mm	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	Schedule 40	0.9	1.25
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
	☐ Steel ☐ Fibreglass ☐ Plastic ☐ Concrete ☐ Galvanized			
Screen				
Outside diam 58 mm	☐ Steel ☐ Fibreglass ☑ Plastic ☐ Concrete ☐ Galvanized	Slot No. #10	1.25	4.70
No Casing or Screen				
	☐ Open hole			

Test of Well Yield

Pumping test method	Draw Down Time (min)	Draw Down Water Level (Metres)	Recovery Time (min)	Recovery Water Level (Metres)
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping ___hrs +___ min	2		2	
Final water level end of pumping ___metres	3		3	
Recommended pump type. ☐ Shallow ☐ Deep	4		4	
Recommended pump depth. ___metres	5		5	
Recommended pump rate. (litres/min)	10		10	
If flowing give rate - (litres/min)	15		15	
If pumping discontinued, give reason.	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record

☑ Annular space ☐ Abandonment

Depth set at - Metres From	Depth set at - Metres To	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)
0.9	1.25	Bentonite. 20 kg.	20 kg.

Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

Please see site plan (attached)

Method of Construction

☐ Cable Tool ☐ Rotary (air) ☐ Diamond ☐ Digging
☐ Rotary (conventional) ☑ Air percussion ☐ Jetting ☐ Other
☐ Rotary (reverse) ☐ Boring ☐ Driving

Water Use

☐ Domestic ☐ Industrial ☐ Public Supply ☑ Other Sample
☐ Stock ☐ Commercial ☐ Not used
☐ Irrigation ☐ Municipal ☐ Cooling & air conditioning

Final Status of Well

☐ Water Supply ☐ Recharge well ☐ Unfinished ☐ Abandoned, (Other)
☑ Observation well ☐ Abandoned, insufficient supply ☐ Dewatering
☐ Test Hole ☐ Abandoned, poor quality ☐ Replacement well

Audit No. Z 31645

Date Well Completed: 2005 08 25 (YYYY MM DD)

Was the well owner's information package delivered? ☐ Yes ☑ No

Date Delivered: YYYY MM DD

Well Contractor/Technician Information

Name of Well Contractor: George Downing Estate Drilling Ltd — Well Contractor's Licence No.: 1844

Business Address (street name, number, city etc.): 410 Main St. Grenville-Sur-la-Rouge, Qc J0V1B0

Name of Well Technician (last name, first name): Downing, Bruce — Well Technician's Licence No.: T2173

Signature of Technician/Contractor: X Bruce Downing — Date Submitted: 2005 10 20 (YYYY MM DD)

Ministry Use Only

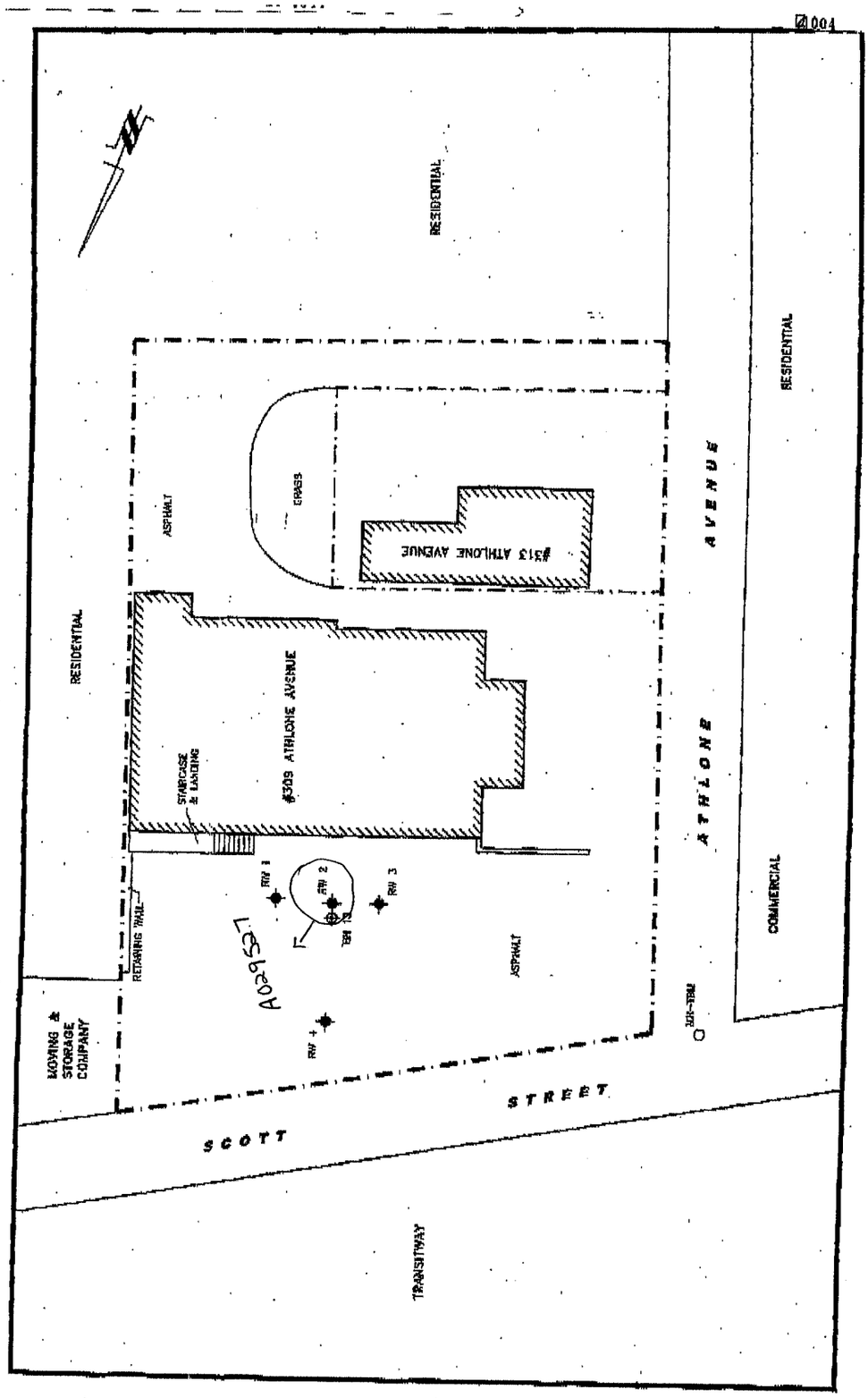
Data Source | Contractor: 1844

Date Received: OCT 12 2005 (YYYY MM DD) | Date of Inspection: YYYY MM DD

Remarks | Well Record Number

0506E (09/03) Contractor's Copy ☐ Ministry's Copy ☑ Well Owner's Copy ☐

Cette formule est disponible en français



A029657

OCT 12 2005

Z31645

1844

Ontario — Ministry of the Environment

Well Tag No. (Place Sticker and/or Print Below) A123765

Tag#: A123765

Well Record

Regulation 903 Ontario Water Resources Act

04/12 Page 1 of 2

[redacted]

Well Location

Address of Well Location (Street Number/Name): 2046 Scott St.

Township:

Lot:

Concession:

County/District/Municipality:

City/Town/Village: Ottawa

Province: Ontario

Postal Code:

UTM Coordinates NAD 83: Zone 18, Easting 441000, Northing 5027155

Municipal Plan and Sublot Number:

Other:

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BLK	gravel	asphalt	loose	0	.31
BRN	sand	stones	soft	.31	2.13
GRY	sand	silt	packed	2.13	3.1
GRY	limestone		hard	3.1	6.7

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	flushmount/concrete	
.31	3.66	bentonite	
3.66	6.7	filter sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☑ Air percussion ☑ Other, specify Direct Push

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☑ Test Hole ☑ Monitoring ☐ Livestock ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
	PVC		0	3.66

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
	PVC	10	3.66	6.7

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Fresh	Untested	Other, specify
	☐	☐	☐	☐	
	☐	☐	☐	☐	
	☐	☐	☐	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	3.1	11.43
3.1	6.7	7.62

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

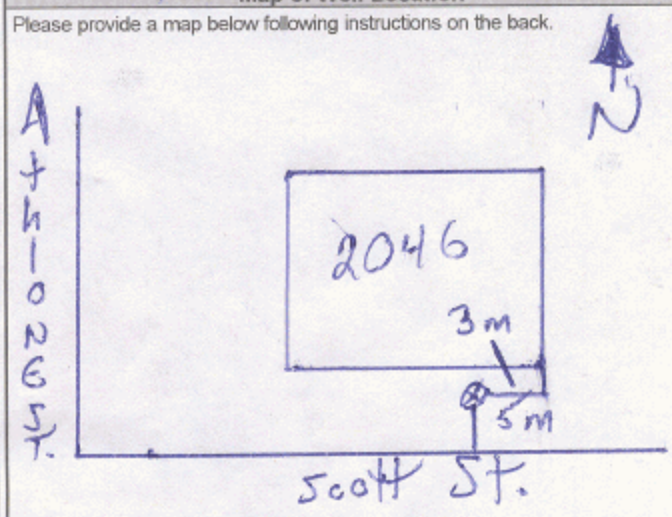
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor: Strata Soil Sampling

Well Contractor's Licence No.: 7241

Business Address (Street Number/Name): 147-2 west Beaver creek Rd

Municipality: Richmond Hill

Province: ON

Postal Code: L4B1C6

Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 9057649304

Name of Well Technician (Last Name, First Name): Beatty Brian

Well Technician's Licence No.: 3616

Signature of Technician and/or Contractor:

Date Submitted: 2011/10/12

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011/10/11

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Audit No. z134395

Received NOV 21 2011

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Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below) A123766

Tag#: A123766

Well Record

...ulation 903 Ontario Water Resources Act

9142 Page 2 of 2

[redacted]

Address of Well Location (Street, Number/Name)	Township	Lot	Concession
2046 Scott St.			

County/District/Municipality	City/Town/Village	Province	Postal Code
	Ottawa	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	441012	5027136		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BLK	gravel	asphalt	loose	0	.31
BRN	sand	stones	soft	.31	1.52
GRY	sand	silt	packed	1.52	2.13
GRY	limestone		hard	2.13	5.79

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.31	flushmount/concrete	
.31	2.74	bentonite	
2.74	5.79	filter sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☑ Air percussion ☑ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☑ Test Hole ☑ Monitoring ☐ Livestock ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
	PVC		0	2.74

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
	PVC	10	2.74	5.79

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	4.57	11.43
4.57	5.79	7.62

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

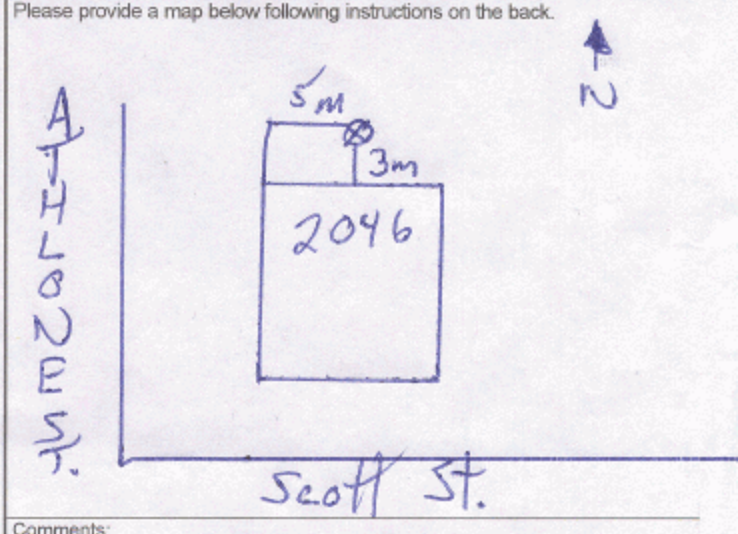
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Soil Sampling	7241

Business Address (Street Number/Name)	Municipality
147-2 west Beaver creek Rd	Richmond Hill

Province	Postal Code	Business E-mail Address
ON	L4B1C6	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9057649304	Beatty Brian

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2011/10/12

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: YYYY MM DD

Date Work Completed: 2011/10/11

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Audit No. z134396

Received NOV 01 2011

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Well ID

Well ID Number: 7201528
Well Audit Number: *C21260*
Well Tag Number: *A140444*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 440905.00 Northing: 5027060.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed

Method of Construction & Well Use

Method of Construction	Well Use

Status of Well

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 1844

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate
Recommended pump depth
Recommended pump rate
Well Production

Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter

Audit Number: C21260

Date Well Completed: April 04, 2013

Date Well Record Received by MOE: May 14, 2013

Updated: March 7, 2019
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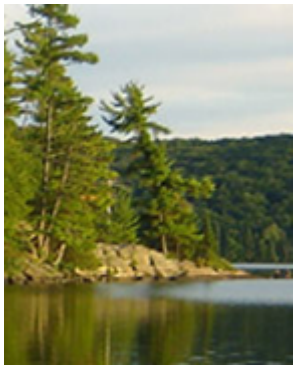
Tags

- Environment and energy,
- Drinking water



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- Driving and roads
- Education and training

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Well ID

Well ID Number: 7245885
Well Audit Number: *Z180818*
Well Tag Number: *A147999*

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	SCOTT ST. / TWEEDSMUIR AVE.
Township	NEPEAN TOWNSHIP
Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	OTTAWA
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 441167.00 Northing: 5027048.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
0 ft	17 ft	BENTONITE	
0 ft	17 ft	BENTONITE	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	
	Monitoring

Status of Well

Abandoned-Other

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
1.25 inch	PLASTIC	0 ft	12 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
1.25 inch	PLASTIC	12 ft	17 ft

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 6894

Results of Well Yield Testing

After test of well yield, water was
If pumping discontinued, give reason
Pump intake set at
Pumping Rate
Duration of Pumping
Final water level
If flowing give rate

Recommended pump depth
Recommended pump rate
Well Production
Disinfected?

Draw Down & Recovery

Draw Down Time(min)	Draw Down Water level	Recovery Time(min)	Recovery Water level
SWL			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind
15 ft	

Hole Diameter

Depth From	Depth To	Diameter
0 ft	17 ft	1.25 inch

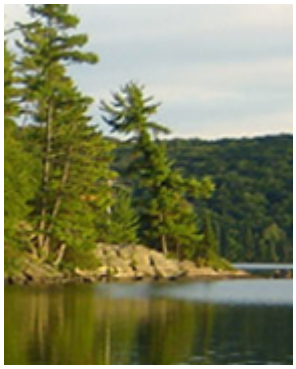
Audit Number: Z180818

Date Well Completed: July 23, 2015

Date Well Record Received by MOE: August 05, 2015

Updated: March 7, 2019
Rate Rate
Share facebook twitter Print
Tags

- Environment and energy,
- Drinking water



Ministry of the Environment, Conservation and Parks

The Ministry of the Environment, Conservation and Parks works to protect and sustain the quality of Ontario's air, land, and water. We also coordinate Ontario's actions on climate change in the name of healthier communities, ecological protection and economic prosperity.

Contact Us

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Topics

Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>
Sent: May-01-19 1:50 PM
To: Nick Sullivan
Subject: RE: Records Search Request (PE4435) - Record Fuels

Hello,

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

Inst Number	Context	Address	City	Province	Postal Code	Inststatusname	Segment1
9826706	FS Facility	319 RICHMOND RD	OTTAWA	ON	K1Z 6X7	EXPIRED	FS GASOLINE STATION - FULL SERVE
10905941	FS Liquid Fuel Tank	319 RICHMOND RD	OTTAWA	ON	K1Z 6X7	EXPIRED	FS LIQUID FUEL TANK
10905908	FS Liquid Fuel Tank	319 RICHMOND RD	OTTAWA	ON	K1Z 6X7	EXPIRED	FS LIQUID FUEL TANK
10905926	FS Liquid Fuel Tank	319 RICHMOND RD	OTTAWA	ON	K1Z 6X7	EXPIRED	FS LIQUID FUEL TANK

Effective November 1, 2017 TSSA requires that any requests for the release of public information, must complete the release for public information form. The release for public information form can be found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392. Please complete the form (1 address per form) 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.

Thank you,

Roxana

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

From: Nick Sullivan <nsullivan@Patersongroup.ca>
Sent: May 1, 2019 11:18 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Records Search Request (PE4435)

Good morning,

Could you please complete a search of your records for **underground/aboveground storage tanks, historical spills, or other incidents/infractions** for the following addresses in Ottawa, Ontario:

Scott Street: 2070, 2074, 2090, 2100, 2046;
Churchill Avenue North: 322;
Winona Avenue: 323;
Bloomfield Avenue: 320;
Roosevelt Avenue: 335;
Richmond Road: 319.

Thank you very much!

Best Regards,

Nick Sullivan, B.Sc.
patersongroup
solution oriented engineering
over 60 years servicing our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 208
Cell: (613) 913-3608

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Nick Sullivan, B.Sc.

patersongroup

- Geotechnical Engineering
- Environmental Engineering
- Hydrogeology
- Geological Engineering
- Materials Testing
- Building Science
- Archaeological Services

POSITION

Junior Environmental Scientist

EDUCATION

McMaster University, B.Sc. 2016
Earth & Environmental Science

Niagara College, Cert. 2017
Environmental Management & Assessment

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Junior Environmental Scientist

SELECT LIST OF PROJECTS

Phase I & II Environmental Site Assessments - Ottawa & Brockville
Contaminated Soil and Groundwater Sampling - Ottawa & Kingston
Geotechnical Investigations of Soil and Rock Stratigraphy - Ottawa
Supervising of Environmental Remediation Programs - Ottawa
Designated Substance Surveys - Ottawa
Outdoor Education Interpreter - Canadian Parks & Wilderness Society
Invasive Species Management - Credit Valley Conservation Authority
Public Trail Assessments - Niagara Peninsula Conservation Authority

Mark S. D'Arcy, P. Eng

patersongroup

- Geotechnical Engineering
- Environmental Engineering
- Hydrogeology
- Geological Engineering
- Materials Testing
- Building Science
- Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility - Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review - Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre - Ottawa
Nortel Networks Environmental Monitoring - Carling Campus - Ottawa
Remediation Program - Block D Lands - Kingston
Investigation of former landfill sites - City of Ottawa
Record of Site Condition for Railway Lands - North Bay
Commercial Properties - Guelph and Brampton
Brownfields Remediation - Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction - Ottawa
Somerset Avenue West Reconstruction - Ottawa