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Phase I-Environmental Site Assessment

1330 Carling Avenue and 815 Archibald Street
Ottawa, Ontario

Prepared For

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by 1343678 Ontario Limited to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 1330 Carling Avenue and 815 Archibald Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was initially developed circa 1948 with a retail fuel outlet (FRO) situated on the northern portion of the Phase I Property. In 1956, an automotive service garage also occupied the Phase I Property (south-eastern corner of 1330 Carling Avenue) until 1991.

Environmental work conducted by Raven Beck Environmental (Raven Beck) in 1991 identified petroleum hydrocarbon contamination in the soil and the groundwater. In 1992, the ancillary equipment associated with the RFO were decommissioned. The contaminated soils were subsequently excavated and disposed of at a licenced waste site. Confirmatory soil sample results were in compliance with the site standards at that time; however, groundwater on-site was never tested during the 1991/1992 investigation. In 1995, some off-site contaminated soil along the northern property boundary was excavated. Confirmatory soil sample results also complied to the standards at that time.

Following the decommissioning of the RFO and service garage and remedial work, it is presumed that the Phase I Property existed as vacant land from 1992 to 1999 or possibility was utilized as a used car lot until redevelopment in 2000.

During the interim of 2001 to 2014, three (3) Phase I ESAs were conducted by AMEC, Pinchin and Kollaard Associates. All three reports indicated that the Phase I Property was occupied by a used car dealership (2nd Chance Auto Sales). The findings of these reports, based on the previous remediation work and current land use, recommended that no further environmental work was required, with one exception.

It was noted in the 2014 Phase I ESA report (Kollaard), that at the time of the previous site remediation, the current guidelines and protocol for remediation activities under O.Reg. 153/04 did not exist.

As a result, the current site conditions had not been verified as to whether the remnant soils or the groundwater would conform to the current MECP Standards.

Based on the findings of the historical land use and review of previous engineering reports and in support of a Record of Site Condition (RSC), the former retail fuel outlet, automotive service garage and importation of fill material used to backfill remediation excavations represent areas of potential environmental concern (APECs) on the Phase I Property.

Historical use of neighbouring lands identified several potentially contaminating activities (PCAs); however, based on the separation distances and down-gradient orientation in combination with information contained in our files, the off-site PCAs were not considered to generate APECs on the Phase I Property.

Following the historical research and review of previous engineering reports, a site visit was conducted. The Phase I Property is currently occupied by a used car dealership, known as 2nd Chance Auto Sales, which consists of a large office building and a washing/car detailing bay at the rear (south end) of the building. The remainder of the site is an asphaltic concrete surfaced car lot. No PCAs and thus, no APECs were noted with the current use of the Phase I Property.

Surrounding land use consists primarily of residential with commercial properties along Carling Avenue. There were no PCAs identified on properties within the Phase I Study Area.

Recommendations

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is required for the Phase I Property.**

It is our understanding the subject site will be redeveloped. Prior to any possible future demolition activities, a designated substance survey (DSS) must be conducted for the existing building, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of 1343678 Ontario Limited, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the properties addressed 1330 Carling Avenue and 815 Archibald Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. 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 land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Kevin Mulligan with 1343678 Ontario Limited. The head office of 1343678 Ontario Limited is located at 2775 Moodie Drive, Ottawa. Mr. Mulligan can be reached by telephone at (613) 223-4040.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all of 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 (O.Reg.) 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 and 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: 1330 Carling Avenue and 815 Archibald Street,
Ottawa, Ontario

Legal Description: Part of Block 8 on Plan 221; Lot 8 and Part of Lot 7 on
Plan 529, in the City of Ottawa, Ontario

Property Identification
Number: 04002-0008 and 04002-0009

Location: The Phase I Property is located on the southeast
corner of Archibald Street at Carling Avenue, in the
City of Ottawa, Ontario. Refer to Figure 1 - Key Plan
in the Figures section following the text.

Latitude and Longitude: 45° 23' 6.16" N, 75° 44' 7.00" W

Site Description:

Configuration: Rectangular

Site Area: 1,968m² (approximately)

Zoning: AM – Arterial Mainstreet Zone

Current Use: The subject site is occupied by a used car dealership.

Services: The 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 O.Reg. 153/04, as amended, 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 study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on a review of the 1945 aerial photograph, the Phase I Property was undeveloped, while the 1948 Fire Insurance Plans (FIPs) show that the subject land was occupied by a retail fuel outlet, which coincides with the registered property owner listed on the Chain of Title in 1949. For the purpose of this assessment, the first developed use of the Phase I Property is considered to have been commercial in 1948.

National Archives

The 1948 and 1956 Fire Insurance Plans (FIPs) for the Phase I Property and lands within the Phase I Study Area were reviewed as part of this assessment.

The 1948 FIPs depict the northern portion of the Phase I Property as occupied by a retail fuel outlet (RFO) with three (3) underground storage tanks (USTs), while the southern portion (815 Archibald Street) is undeveloped. The 1956 FIPs depict the relocation of 2 USTs rather than the former 3 USTs as well as an automotive service garage. The southern portion of the Phase I Property is depicted with a two-storey residential dwelling.

The historical presence of the retail fuel outlet (RFO) and automotive service garage on the northern portion of the Phase I Property represents areas of potential environmental concern (APEC) on the Phase I Property.

Neighbouring lands south of Carling Avenue are depicted primarily as residential in the 1948 and 1956 FIPs. Several potentially contaminating activities (PCAs) such as, RFOs, bulk fuel and oil storage warehouses with above ground storage tanks (ASTs) were identified on the neighbouring lands to the east and north, respectively. The historical PCAs identified in the 1948 and 1956 FIP review are listed in Table 1.

Table 1: Potentially Contaminating Activities Fire Insurance Plans Review Summary			
Address	FIP Year	Listed Activity	Approximate Distance / Orientation from Site
Carling Avenue			
1314	1956	Seven-Up Bottling Company with 1 UST	40m East
1330/1340	1948, 1956	Retail fuel outlet with 2 USTs and automotive service garage	On-site
1331	1956	Barrington Petroleum Products Limited (bulk fuel and oil storage)	80m North
1337	1956	W.L. Ballentine Co. Ltd. Contractors Equipment (storage and repairs)	50m North
1339	1948	Sun Oil Co. Ltd (bulk oil storage)	85m North
1350	1948, 1956	Retail fuel outlet and automotive repair & servicing garage (2 USTs)	17m West
1351	1948, 1956	Retail fuel outlet and automotive service garage (2 USTs)	31m North
1359-1365	1948, 1956	Ontario Department of Highways (2 USTs and automotive repair garage)	100m Northwest
1386	1956	Retail fuel outlet (3 USTs)	145m West
Merivale Road			
24, 840	1948, 1956	Automotive repair garage with 2 USTs	155m East

With the exception of the on-site PCAs (RFO, UST nests, and service garage), the remaining off-site PCAs are not considered to represent APECs based on their separation distance and/or downgradient orientation with respect to the subject land.

It should be noted that the former RFO located at 1350 Carling Avenue would generally be considered to represent an APEC on the Phase I Property; however, Paterson conducted a subsurface investigation to address any potential contamination that may have occurred at 1354-1376 Carling Avenue (previously identified as 1350 Carling Avenue) due to the former use of the land as a retail fuel outlet. Two monitoring wells along the eastern property boundary were placed to delineate any potential contamination. Groundwater samples were collected and submitted for analytic testing of PAHs, PHCs and VOC. Based on the analytical results of our investigation, the groundwater on-site was not impacted. The groundwater flow beneath the site and in the immediate area was determined to be in a northerly direction.

City directories were reviewed for the Phase I Property and surrounding properties within the 250m study area, from 1930 to 2011. It should be noted that the Ottawa Directories were not available for the Phase I Study Area in or prior to 1930.

According to the city directories, the Phase I Property was listed under various gasoline service stations and garages from 1956 to 1990, followed by an automotive dealership from 2000 to 2011.

Given the historical use of the subject land, the former retail fuel outlet (RFO) and service centre represents APECs on the Phase I Property.

Neighbouring properties in the Phase I Study Area were listed primarily residential on the adjacent streets, south of Carling Avenue, while commercial/light-industrial land use was concentrated along Carling Avenue.

Based on the city directories review, several PCAs were identified on properties within the Phase I Study Area, which included several RFOs, automotive service/repair garages and bulk fuel and oil storage sites. Historical PCAs identified during the directories review are listed in Table 2.

Table 2: Potentially Contaminating Activities City Directories Review Summary			
Address	Listed Activity	Years Listed	Approximate Distance / Orientation from Site
Carling Avenue			
1339	Sun Oil Ltd. (bulk storage of fuel and oil)	1949	70m Northeast
1314	Seven-up bottling Co.	1960s	40m East
1316	Patton's cleaners	1970s	60m East
1331/1331A	BP Oil Ltd and Barrington Fuel oil (bulk storage of fuel and oil) and retail fuel outlet	1940-1970	35m North
1350	Automotive service garage	1956-1960	16m West
1384	Retail fuel outlet	1956-1960	144m West
Merivale Road			
848	Weston tire and auto supply	1960s	155m Southeast
880-878	Import car centre (car dealership)	1980-2011	164m Southeast

The off-site PCAs noted above are not considered to represent APECs on the Phase I Property, based on their separation distances and/or orientation (down or cross-gradient) with respect to the subject site, in combination with the information contained in our files, that was previously discussed.

The PCAs that generated APECs on the Phase I Property are shown on Drawing PE4789-1-Site Plan, and the locations of the aforementioned PCAs relative to the Phase I Property are shown on Drawing PE4789-2 - Surrounding Land Use Plan. It should be noted that documented addresses on the FIPs are not the same as reported in the directories.

Chain of Title

The Chain of Title for the Phase I Property addressed 1330 Carling Avenue and 815 Archibald Street was provided by Read Abstracts Ltd. and was reviewed as part of this assessment.

According to the chain of title, the property deeds for 1330 Carling Avenue and 815 Archibald Street were first registered under a private individual in 1856. From 1856 to 1949, both property deeds were listed under various private individuals.

In 1949, the land deed for the northern portion of the Phase I Property (1330 Carling Avenue) was acquired by Shell Oil Company of Canada Ltd, followed by an acquisition by The Canadian Life Assurance Company. The Imperial Life Assurance Company and the Crown Life Insurance Company, who then leased the property back to Shell Oil Company Ltd, all in the same year. In 1971, the property deed was transferred back to Shell Oil Company Ltd. from The Canadian Life Assurance Company, The Imperial Life Assurance Company and the Crown Life Insurance Company. The land was transferred to an Ontario registered business in 1997, followed by an acquisition by the current landowner, 1343678 Ontario Ltd. in 2001.

From 1949 to 1993, the land deed for the southern portion of the Phase I Property (815 Archibald Street) was listed under various private individuals until it was acquired by Monkey Joe's Ltd. in 1993, followed by an acquisition by the current landowner, 1343678 Ontario Ltd., in 1999.

The Phase I Property has been leased under two (2) Ontario registered business since 2008. A copy of the chain of title is included in Appendix 2.

Plan of Survey

A plan of survey was not available for review at this time.

Previous Engineering Reports

Paterson reviewed several environmental reports prepared by others prior to conducting the Phase I ESA.

- Environmental Site Assessment, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated December 12, 1991.

The subject site, 1330 Carling Avenue, operated as a Shell retail fuel outlet (RFO) from approximately 1948 to 1990. The former subject building situated on the southeast corner of the site and former underground storage tanks (USTs) were situated in the east side of the property. Sometime between 1956-1957 the USTs were relocated to the south part of the lot to accommodate the widening and realignment of Carling Avenue. Based on the historical use and existing RFO, five (5) boreholes were drilled to access the current site conditions by placing them near the former and existing USTs, pump island and waste oil storage. During the subsurface investigation, strong hydrocarbon odours were noted. No monitoring wells were installed as it was believed that there may have been an abandoned UST on the northeastern side of the former pump island.

Three (3) soil samples were submitted and analyzed for BTEX and TPHs. Based on the analytical results, all parameters were in excess of the site standards. A remediation excavation was recommended to remove an estimate of 3825 m³ of contaminated soil.

- Supplementary Environmental Investigation at Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

A preliminary investigation was conducted in January of 1992 to determine the source of floating free product detected in November 1991. A test pit excavated on the northeastern side of the site revealed the free product in a coarse layer of fill which extended approximately 1 m below the ground surface (mbgs). Free product was observed flowing into the excavation along the wall closest to the pump island and the wall closest to Carling Avenue.

Nine (9) boreholes (S-2 to S-10) were drilled, one of which was installed as a monitoring well. Five (5) soil samples were submitted and analyzed for BTEX and TPHs. Based on visual observations in the field and the test results, hydrocarbon impact existed in all boreholes in the coarse fill layer.

Based on these results, it was concluded that there were zones of soil and groundwater contamination on-site. Hydrocarbon odours were detected in all boreholes except S-5 and S8 (northeast and northwest corners of the site).

- ❑ Excavation and Disposal of Petroleum Contaminated Soil, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

The Shell Service Station was decommissioned, all USTs were inspected and emptied prior to their removal. Two (3) hydraulic lifts in the garage were excavated and removed. Prior to removal, all oil was pumped from the lifts. The lifts were removed from site and disposed of accordingly. The garage (site building) was also demolished.

Site excavation was performed during the interim of April 21 to May 5, 1992, by licensed contractors. All excavated materials were disposed/handled by contractors, while the contaminated soil was disposed of at a licenced landfill.

The depth of excavation ranged from 1.5 to 3.5 mbgs. Extensive soil sampling from the floor, walls and central portions of the excavation was performed to define the levels of petroleum product contamination. Impacted groundwater was encountered during excavation was vacuumed. Approximately 600L of impacted groundwater was collected. A total of 3,265 tonnes of petroleum contaminated soils were removed and disposed of off-site. The excavation was backfilled with a medium-grained sand imported to the site and compacted in place with the shovel.

Four (4) confirmatory soil samples were submitted and analyzed for BTEX, TPH and lead. Based on the analytical results, all 3 samples complied to the site standards at that time.

- ❑ Monitoring of sewer excavation at Carling Avenue and Archibald Street, prepared by Raven Beck Environmental Ltd., dated July 25, 1995.

A sewer excavation adjacent to the Shell site along the north edge of the sidewalk on the south side of Carling Avenue, approximately 4 m north to an existing cast-in-place concrete sewer was conducted. Contaminated soil from 1.5 to 3 m depth and approximate length of 10 m was excavated. Soil at either end of this zone showed no evidence of hydrocarbon contamination. No free product was detected and no hydrocarbon sheen on groundwater entering the excavation was observed. Approximately 222 tonnes of soil were excavated and disposed of at the Carp Landfill site.

- ❑ Phase I Environmental Site Assessment, 2nd Chance Auto Sales, 1330 Carling Avenue, Ottawa Ontario, prepared by AMEC, dated November 2001.

The subject site was redeveloped with the commercial automotive sales building in late 1990s with a garage bay for detailing vehicles. Based on the review of the historical information in combination with the previous Environmental Reports, no new potential environmental concerns were identified. AMEC did not recommend a Phase II ESA.

- ☐ Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Pinchin, dated July 8, 2008.

Based on the historical review of the subject site, it was determined that the subject building was constructed circa 2001. The current use of the subject remained unchanged since the last Phase I ESA (AMEC, 2001) and as such, no potential environmental concerns were noted. Pinchin did not recommend a Phase II ESA.

Based on the age of the building, potential asbestos-containing materials (ACMs) may be present. An asbestos survey and management plan were recommended by Pinchin as well.

- ☐ Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Kollaard Associates, dated July 15, 2014.

Based on the review of historical information, previous reports and current use of the subject site, no potential environmental concerns were identified. Kollaard did not recommend a Phase II ESA.

It was noted however, that at the time of the previous site remediation in 1991, the current guidelines and protocol for remediation activities under O.Reg. 153/04 did not exist. The current site conditions had not been verified whether the remnant soils or the groundwater would conform to the current MECP Standards. Therefore, additional environmental work would be required should a Record of Site Condition need to be filed for a proposed land use change to a more sensitive use (i.e. residential use). Kollaard recommended that a Phase II ESA would be required to verify that the environmental standards are met for the current and proposed property use.

As noted during the previous reports review, imported sand (fill) was used to reinstate the remediation excavations. Since no testing was carried out on this material, the unknown quality of this fill is considered to be a PCA which represents an APEC on the Phase I Property.

4.2 Environmental Source Information

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on November 7, 2019. The search did not reveal any natural features or ANSIs within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted on November 7, 2019. No PCB waste storage sites are located within the Phase I Study Area

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on November 7, 2019. Based on the search results, the Phase I Property and other properties within the 250m study area are not listed in the NPRI.

Ministry of the Environment, Conservation and Parks (MECP) Waste Management Records

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to waste management records. No waste management records were found for the Phase I Property. A copy of the response is provided in Appendix 2.

MECP Instruments

A request was submitted to the MECP FOI office 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. According to the MECP FOI response, one approval was granted to abandon a section of a storm sewer which crossed the Phase I Property (Carling Avenue at Archibald Street) in July 1996, following the monitoring and sewer excavation conducted on-site in 1995. The approval was provided to eliminate further contamination due to the former retail fuel outlet on-site. No other approvals or permits or certificate of property use for the Phase I Property were issued. A copy of the response is provided in Appendix 2.

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the property. Based on the response received, several environmental reports and/or letters were identified for the Phase I Property. The letters and reports were correspondences between the Shell Canada Products Limited (former owner of the Phase I Property) and Ministry of Environment regarding the decommissioning of the retail fuel outlet, excavation and disposal of the contaminated soils and the environmental monitoring of a trench excavation on-site.

No new information regarding the environmental work conducted on the Phase I Property was obtained during the review of these letters and reports. A copy of the response is provided in Appendix 2.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the site or adjacent properties. According to the MECP FOI response, one incident was reported on the Phase I Property (815 Archibald Street) in 1991. An oil spill was reported due to a ruptured seal on a delivery truck, spilling 20 Litres onto the asphalt. Oil was cleaned immediately with an absorbent. No other information regarding the spill was provided in the FOI response letter. No oil was released into the environment via sewer. A copy of the response is provided in Appendix 2.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or for other properties within the Phase I Study Area

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment 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. There are no active or closed waste disposal sites or former manufactured gas or coal tar distillation plans within the Phase I Study Area.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the study area. According to the ERIS report, a certificate of approval (CoA) for municipal sewer work was issued for the Phase I Property in June of 1997. No other information was provided, although it is expected that the CoA was issued regarding the installation of a new sewer upon redevelopment of 1330 Carling Avenue. No potential environmental concerns or new information regarding the Phase I Property was identified in the ERIS report.

The ERIS search identified several off-site waste generators, incidence/reported spills. The majority of these reported concerns were located more than 120 m away from the Phase I Property and are not considered to generate APECs on the Phase I Property, based on the separation distance.

The hazardous waste inventories however, identified a medical (dental) office building across from the Phase I Property at 1335 Carling Avenue as having generated (primarily) pathological waste with some inorganic chemicals and photo-processing waste from 2010 to 2019. It is expected that the amount of laboratory/chemical and photo-processing waste produced is not significant and does not generate APECs on the Phase I Property. Based on the nature of the waste produced and/or separation distances of other activities identified in the ERIS report, none of the aforementioned activities are considered to have impacted or pose a risk to the Phase I Property. A copy of the ERIS report is included in Appendix 2.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on November 7, 2019, to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. According to the TSSA response, no records were found regarding the Phase I Property or the adjacent properties.

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

Former Industrial Sites

The report entitled “Mapping and Assessment of Former Industrial Sites, City of Ottawa” was also reviewed. The Phase I Property was not listed in the database of former industrial sites. One former industrial site was identified within the Phase I Study Area: Barrington Petroleum Products Ltd. (Site No. 20) located on the north side of Carling Avenue at Archibald Street. According to the report, this property was listed as non-industrial and used for the bulk storage of oil and gas. Based on its distance of approximately 80 m north of the Phase I Property, the former Barrington Petroleum Products Ltd. site is not considered to pose a significant concern to the property.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. Based on the document, there are no closed landfill sites within the vicinity of the Phase I Property or for other properties within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa’s Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response was received on November 29, 2019. Based on the response, one record from the Internal Department Circulation from The City’s Sewer Use Program found information pertaining to an inspection record at 1330 Carling Avenue, however, no other information was provided.

The HLUI search results from the HLUI2005 database found one activity associated with the Phase I Property (Activity ID: 6225). The activity (Activity ID: 6225) was identified as an RFO under Len Desforge Service Station and Gus and John Service Station Ltd. from 1957 to 1980. Thirty-seven (37) activities associated with properties within the study area were identified, of which, 10 were considered PCAs that were formerly identified during the FIP and City Directory review. A summary of the PCAs identified during the HLUI review is provided in Table 3 and their locations relative to the Phase I Property are shown on Drawing PE4789-2 – Surrounding Land Use Plan.

Table 3: Potentially Contaminating Activities HLUI Review Summary				
Activity ID	Address	Listed Activity	Years Listed	Approximate Distance / Orientation from Site
10394	1359 Carling Ave.	Ontario Dept. of Highways (2 USTs)	1948-1956	168m NW
14391	1331 Carling Ave.	Turner's Service Station	1960-1980	56m NE
2331	1339 Carling Ave.	Sun Oil Company (6 ASTs and 2 USTs)	1925-1956	63m NW
12452	North of Merivale at Carling Ave	Sheridan Garage (2 USTs)	1957	245m E
13308	1307 Carling Ave.	Sun Oil Co. (Petroleum storage and wholesale)	1948-1957	72 m NE
12724	1314 Carling Ave.	7-Up Bottling Co. Ltd	1952-1961	35m E
1337	1321 Thames St.	Aspen Transportation Logistics	2005	142m SW
10519	1350 Carling Ave.	Perry's Garage	1957-1960	28m W
5789	1384/1386 Carling Ave	RFO (3 USTs)	1957-1960	130m W
10141	824 Meath St.	PB Fraser (repair garage)	1998	206m SW

A copy of the HLUI request is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

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

- 1928 The subject site and neighbouring lands are undeveloped at this time. Carling Avenue and Archibald Street are present at this time.

- 1945 The subject site appears vacant at this time. Neighbouring lands appear to be developed with some residential to the south and commercial along Carling Avenue.

- 1958 The subject site is occupied by a possible retail fuel outlet at 1330 Carling Avenue and a residential dwelling at 815 Archibald Street. Neighbouring lands are occupied by commercial businesses along Carling Avenue and residential, south of the site. Westgate mall can be seen at this time to the north.

- 1965 No significant changes are apparent on the subject site. Adjacent lands to the east and west are occupied by new commercial buildings. Highway 417 is present at this time.
- 1976 No significant changes are apparent on the subject site. Properties across Carling Avenue and Archibald Street have been redeveloped with the present-day commercial building (north) and hotel building (west), as well as the adjacent property to the east.
- 1983 No significant changes are apparent on the subject site or neighbouring lands.
- 2002 The subject site appears to have been redeveloped with the present-day building. The site appears to be occupied by a used car lot. No significant changes are apparent on the neighbouring lands within the study area.
- 2011 No significant changes are apparent on the subject site or on lands within the study area.
- 2017 The subject site and neighbouring lands remain unchanged from the previous photograph.

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the local topography in the immediate vicinity of the site slopes gently downward to the south, while the regional topography generally slopes down to the northwest, toward the Ottawa River. According to the maps, the nearest water body is the Ottawa River, located approximately 2 km to the northwest of the Phase I Property. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to 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, which is generally less than 150 m above sea level.

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 this information, bedrock in the area of the site consists of interbedded limestone and dolomite of the Gull River Formation. Overburden is reported to consist of Glacial Till of depths ranging from 5 to 10 m over the entire site.

Natural Water Bodies and Areas of Natural Significance

No natural water bodies or areas of natural significance are known to exist on the Phase I Property or within the Phase I Study Area.

Water Well Records

The MECP online interactive well record mapping system was accessed on November 8, 2019, to conduct a search for all drilled wells within 250 m of the Phase I Property.

The search returned a total of twenty-six (26) records for six (6) potable wells, three (3) decommissioned wells and seventeen (17) monitoring wells, three of which were outside of the 250m search radius. Based on the review of these records, no wells were identified on the Phase I Property.

The domestic wells were drilled between 1950 to 1956 for properties approximately 100m or more away from the Phase I Property. It is expected that these wells have not been used since the area has been municipally serviced, despite that only three (3) abandonment records for non-potable wells were found for the Phase I Study Area.

Three (3) of the fourteen (14) monitoring wells identified within the study area were located on the property to the north at 1335 Carling Avenue. Based on these records, the stratigraphy in the general area of the Phase I Property consists of a pavement structure, followed by a granular fill, underlain by sandy clay overlying glacial till. Bedrock was not encountered. The depths of these wells reached approximately 5.8 m below ground surface (mbgs). No other information that is considered pertinent was provided in these well records. Copies of the well records are provided in Appendix 2.

5.0 INTERVIEWS

Mr. Kevin Mulligan, the current property owner was interviewed at the time of the site visit on November 13, 2019. According to Mr. Mulligan, the current subject building was constructed circa 2000 and has been occupied by the Used Car Dealership, which utilizes the site for vehicular storage, car detailing (in the garage of the building, a show room and offices). No automotive maintenance or servicing had ever taken place on-site. Mr. Mulligan was unaware of any potential environmental concerns regarding the subject site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site visit. Weather conditions were overcast with a temperature of approximately -10°C on November 13, 2019. In addition to the site, the use of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.1 Specific Observation at Phase I Property

Buildings and Structures

The site is occupied by a semi-2 storey slab-on-grade building that was constructed in 2000. The subject building is situated on the southeast corner with a wash bay entrance located on the west side of the building fronting Archibald Street.

The exterior is finished in light grey-to-white stucco with large glass windows that extend from the ground to second storey and a flat style tar and gravel roof. No other buildings or structures are present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. Underground utility services on the subject land include natural gas, electricity, water and sewer services. The services enter the Phase I Property from Archibald Street.

No well or private sewage system were observed on the property at the time of the site visit. No other subsurface structures or utilities were observed at the time of the site visit.

Site Features

The subject building occupies the majority of the southeastern corner of the Phase I Property. The remainder of the subject land is primarily occupied by a paved car lot with car park barriers surrounding the northern and western property line and some light posts. At the time of the site visit, the entire parking lot was occupied by cars with some light snow coverage.

Site drainage typically occurs through sheet flow to an on-site catch basin located on the central portion of the lot, as well as to catch basins along the adjacent street (Archibald Street).

The site topography is relatively flat and at the grade of Carling Avenue and slopes slightly towards Archibald Street. The regional topography slopes down in a northerly direction towards the Ottawa River.

Site features are presented on Drawing PE4789-1 – Site Plan, provided in the Figures section following the text.

Fill Material

No evidence of fill material was noted at the time of the site visit; however, based on the previous reports reviewed fill material was imported on-site to backfill the remediation excavations and as such, the quality of the fill material is unknown and therefore, represents an APEC on the Phase I Property.

Interior Assessment

A general description of the interior of the subject building is as follows:

- Floor finishes consist of ceramic tiles and carpet in the show room and offices, while the wash bay floor consists of poured concrete.
- Wall finishes consist of gypsum board in the show room and offices while the wash bay walls consist of concrete blocks.
- Ceilings are finished with acoustic ceiling tiles and steel decking.
- Lighting is provided by fluorescent fixtures.

Based on the age of the building (circa 2000/2001) potential asbestos containing materials (ACMs) and lead-based paints (LBPs) are not suspected to be present within the building, as these materials were not typically used after 1980.

Fuel and Chemical Storage

The subject building is heated with natural gas-fired equipment.

No fuels or chemicals were observed on the interior or exterior of the Phase I Property at the time of the site assessment, with the exception of car detailing/cleaning products that were properly stored within the wash bay. No signs of leaks or staining were observed on the interior or exterior of the Phase I Property.

Wastewater Discharge

Wastewater discharged from the Phase I Property includes wash water and sewage. Two floor drains were observed on the interior (bathroom and garage) of the subject structure. The drains appeared to be clean and dry at the time of the site visit. No concerns were noted with regards to wastewater discharge at the Phase I Property.

Waste Management

Non-hazardous office waste and recycling is stored in bins on the west side of the subject building and collected by a licenced contractor on as-needed basis.

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 - Carling Avenue, followed by commercial office;
- South - Residential, followed by Thames Street;
- East - Commercial office building, followed by residential apartment building;
- West - Archibald Street, followed by vacant land.

Land use within the Phase I Study Area consists of commercial businesses, retailers and residential. No concerns were identified with the current use of the surrounding lands. The surrounding land use within the Phase I Study Area is presented on Drawing PE4789-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the Phase I Property dating back to the first developed use of the site in 1948.

Table 4: Current and Past Use of the Phase I Property 1330 Carling Avenue and 815 Archibald Street				
Year	Property Owner	Description of Property	Property Use	Other Observations from FIPs, Aerial Photographs, Directories, etc.
1330 Carling Avenue				
Prior to 1846	Unknown	Unknown	Unknown	No information available.
1846 to 1948	Various private individuals	Unknown	Unknown	Chain of Title listed several private individuals from 1856 to 1949; however, there are no available observations.
1948 to 1991	Shell Oil Company Ltd and Canadian Life Assurance Company and their assigns	Retail fuel outlet	Commercial use	1948 and 1956 FIPs depict a retail fuel outlet (RFO) onsite. Aerial photographs from 1958 to 1976 confirm the presence of an RFO and service garage. Environmental report by Raven Beck (1991), conducted environmental work and decommission RFO and garage in 1992
1991 to 1992	Shell Oil Company Ltd	Vacant site/abandoned RFO and garage	Commercial use	Environmental report by Raven Beck (1991), conducted environmental work and decommission RFO and garage in 1992.
1992 to 1997	Shell Oil Company Ltd	Vacant land	Vacant land	No information available.
1997 to present	1343678 Ontario Ltd. Leased to an Ontario registered business in 2008	Vacant until 1999/2000 (parking lot or used car lot) Used car dealership	Commercial use	Based on the 1999 aerial photograph the Phase I Property appears to be occupied by cars (i.e. used car lot or parking lot). Based on previous reports and personal interview with the current landowner. Based on aerial photographs, city directories and personal interview with the current landowner.

Table 4 Continued: Current and Past Use of the Phase I Property 815 Archibald Street				
Year	Property Owner	Description of Property	Property Use	Other Observations from FIPs, Aerial Photographs, Directories, etc.
815 Archibald Street				
1993 to 1999	Various private individuals Monkey Joe's acquired the property in 1993	Residential dwelling	Residential use	1956 FIPs and aerial photographs show a residential dwelling. City directories listed a private individual in 1990.
1999 to present	1343678 Ontario Ltd.	Vacant until 1999/2000 Used car dealership	Commercial use	Based on previous reports and personal interview with the current landowner. Based on aerial photographs, city directories and personal interview with the current landowner.

Potentially Contaminating Activities

Based on the historical review, several potentially contaminating activities (PCAs) were identified on-site, resulting in areas of potential environmental concern (APECs) on the Phase I Property, as per Column A of Table 2 of the O.Reg. 153/04, as amended:

- PCA 52 – “Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems,” associated with a historical automotive service garage on the central east side of the Phase I Property;
- PCA 28 – “Gasoline and Associated Products Storage in Fixed Tanks,” associated with 5 historical underground storage tanks situated along the central west side of the Phase I Property;
- PCA 28 – “Gasoline and Associated Products Storage in Fixed Tanks,” associated with a historical pump island situated along the northeastern portion of the Phase I Property; and
- PCA 30 – “Importation of Fill Material of Unknown quality,” associated with infilling the remediation excavations at 1330 Carling Avenue.

These PCAs that represent APECs on the Phase I Property are shown on Drawing PE4789-1 – Site Plan.

The remaining off-site PCAs were not considered to result in APECs based on their separation distances and/or orientations (down-gradient) with respect to the subject land, in combination with information contained within our files.

The off-site PCAs within the Phase I Study Area are identified in green on Drawing PE4789-2 – Surrounding Land Use Plan.

Areas of Potential Environmental Concerns

The aforementioned on-site PCAs have resulted in the following APECs:

- APEC 1: Resulting from the former on-site automotive service garage (greasing/oiling) situated on the central east portion of the Phase I Property;
- APEC 2: Resulting from former underground storage tanks (USTs) situated on the central west portion of the Phase I Property;
- APEC 3: Resulting from the former on-site pump island situated on the northeast portion of the Phase I Property;
- APEC 4: Resulting from fill material of unknown quality used on-site to backfill the remediation excavations at 1330 Carling Avenue.

APECs on the Phase I Property are depicted on Drawing PE4789-1 – Site Plan.

Contaminants of Potential Concern

Based on the APECs identified on the Phase I Property, the contaminants of potential concern (CPCs) are Benzene, ethylbenzene, toluene and xylenes (BTEX); Petroleum hydrocarbons (PHCs, Fractions F₁-F₄) and Metals (including hexavalent chromium (CrVI), and mercury). The CPCs are expected to be present in the soil and/or groundwater of the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the 1992 Phase II-ESA, the reported stratigraphy for the Phase I Property consists of a pavement structure over fill material, underlain by native silty clay or glacial till. Bedrock was not encountered during the subsurface program.

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of interbedded limestone and dolomite of the Gull Formation. The overburden is reported to consist of Glacial Till of depths ranging from 5 to 10 m over the entire site.

The regional topography slopes down in a northerly direction towards the Ottawa River. The local groundwater flow beneath the Phase I Property is inferred to be in a north-westerly/northerly direction.

Potable Water Well Records

No potable well records were identified for the Phase I Property.

Monitoring Well Records

No monitoring well records were identified for the Phase I Property. Three (3) monitoring well records were identified for the property across Carling Avenue where a couple of historical PCAs were identified.

Water Bodies and Areas of Natural Significance

No natural water bodies or areas of natural significance are known to exist on the Phase I Property or within the Phase I Study Area.

Existing Buildings and Structures

The southern portion of the Phase I Property is currently occupied by a semi-2 storey commercial building used as a car showroom with offices on the second level and a garage bay used for detailing and washing cars. The remaining lot is an asphaltic paved concrete car lot.

Subsurface Structures and Utilities

Historical subsurface structures on the Phase I Property include former USTs and ancillary equipment associated with the retail fuel outlet.

Presently, underground services include natural gas, water and sewer services entering the west face of the subject building from Archibald Street. Former subsurface infrastructure may have potentially contributed to the contaminant distribution at the Phase I Property.

Neighbouring Land Use

Neighbouring land use within the Phase I Study Area consists primarily of commercial offices and retailers along Carling Avenue and residential along the adjacent side streets.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, four (4) potentially contaminating activities (PCAs) are considered to result in areas of potential environmental concern (APECs) on the Phase I Property. These APECs are summarized in Table 5, along with their respective locations and contaminants of potential concern (CPCs) on the Phase I Property.

TABLE 5: Potentially Contaminating Activities and Areas of Potential Environmental Concern					
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1 Resulting from former on-site service centre	Central east portion of the Phase I Property	PCA 52 – Storage, maintenance, fuelling and repairing of equipment, vehicles, and materials used to maintain transportation systems	On-site	BTEX PHCs	Soil, Groundwater
APEC 2 Resulting from former on-site USTs	Central west portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs	Soil, Groundwater
APEC 3 Resulting from former on-site pump island	Northeast portion of the Phase I Property	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	BTEX PHCs	Soil, Groundwater

TABLE 5: Potentially Contaminating Activities and Areas of Potential Environmental Concern					
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 4 Resulting from fill material used to backfill remediation excavation	1330 Carling Avenue portion of the Phase I Property	PCA 30 – Importation of Fill Material of Unknown Quality	On-site	BTEX PHCs Metals	Soil

As previously discussed in Section 7.1 and shown on Drawing PE4789-2-Surrounding Land Use Plan, several off-site PCAs were identified within the Phase I Study Area, however, based on separation distances and/or orientation (down or cross-gradient) with respect to the subject land, other off-site PCAs are not considered to represent APECs on the Phase I Property.

Contaminants of Potential Concern

As per the APECs identified in Section 7.1, the contaminants of potential concern (CPCs) present in soil and/or groundwater include:

- Benzene, ethylbenzene, toluene and xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F₁-F₄); and
- Metals (including hexavalent chromium and mercury).

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 there are historical on-site and off-site PCAs that have resulted in APECs on the Phase I Property. While several other historical and/or existing PCAs were identified within the study area during this assessment, they were not considered to generate areas of potential environmental concern to the Phase I Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by 1343678 Ontario Limited to conduct a Phase I-Environmental Site Assessment (ESA) for the properties addressed 1330 Carling Avenue and 815 Archibald Street, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was initially developed circa 1948 with a retail fuel outlet (FRO) situated on the northern portion of the Phase I Property. In 1956, an automotive service garage also occupied the Phase I Property (south-eastern corner of 1330 Carling Avenue) until 1991.

Environmental work conducted by Raven Beck Environmental (Raven Beck) in 1991 identified petroleum hydrocarbon contamination in the soil and the groundwater. In 1992, the ancillary equipment associated with the RFO were decommissioned. The contaminated soils were subsequently excavated and disposed of at a licenced waste site. Confirmatory soil sample results were in compliance with the site standards at that time; however, groundwater on-site was never tested during the 1991/1992 investigation. In 1995, some off-site contaminated soil along the northern property boundary was excavated. Confirmatory soil sample results also complied to the standards at that time.

Following the decommissioning of the RFO and service garage and remedial work, it is presumed that the Phase I Property existed as vacant land from 1992 to 1999 or possibility was utilized as a used car lot until redevelopment in 2000.

During the interim of 2001 to 2014, three (3) Phase I ESAs were conducted by AMEC, Pinchin and Kollaard Associates. All three reports indicated that the Phase I Property was occupied by a used car dealership (2nd Chance Auto Sales). The findings of these reports, based on the previous remediation work and current land use, recommended that no further environmental work was required, with one exception.

It was noted in the 2014 Phase I ESA report (Kollaard), that at the time of the previous site remediation, the current guidelines and protocol for remediation activities under O.Reg. 153/04 did not exist.

As a result, the current site conditions had not been verified as to whether the remnant soils or the groundwater would conform to the current MECP Standards.

Based on the findings of the historical land use and review of previous engineering reports and in support of a Record of Site Condition (RSC), the former retail fuel outlet, automotive service garage and importation of fill material used to backfill remediation excavations represent areas of potential environmental concern (APECs) on the Phase I Property.

Historical use of neighbouring lands identified several potentially contaminating activities (PCAs); however, based on the separation distances and down-gradient orientation in combination with information contained in our files, the off-site PCAs were not considered to generate APECs on the Phase I Property.

Following the historical research and review of previous engineering reports, a site visit was conducted. The Phase I Property is currently occupied by a used car dealership, known as 2nd Chance Auto Sales, which consists of a large office building and a washing/car detailing bay at the rear (south end) of the building. The remainder of the site is an asphaltic concrete surfaced car lot. No PCAs and thus, no APECs were noted with the current use of the Phase I Property.

Surrounding land use consists primarily of residential with commercial properties along Carling Avenue. There were no PCAs identified on properties within the Phase I Study Area.

Recommendations

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is required for the Phase I Property.**

It is our understanding the subject site will be redeveloped. Prior to any possible future demolition activities, a designated substance survey (DSS) must be conducted for the existing building, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

9.0 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 and 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 1343678 Ontario Limited. Permission and notification from 1343678 Ontario Limited and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Mandy Witteman, B.Eng., M.A.Sc.



Mark D'Arcy, P.Eng., Q.P.ESA



Report Distribution:

- 1343678 Ontario Limited
- Paterson Group

10.0 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
National Energy Board.

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.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
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.
Interra Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

Private Information Sources

ERIS Report

Engineering Reports

Environmental Site Assessment, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated December 12, 1991.

Supplementary Environmental Investigation at Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

Excavation and Disposal of Petroleum Contaminated Soil, Shell Service Station, 1330 Carling Avenue, Ottawa, Ontario, prepared by Raven Beck Environmental Limited, dated February 28, 1992.

Monitoring of sewer excavation at Carling Avenue and Archibald Street, prepared by Raven Beck Environmental Ltd., dated July 25, 1995.

Phase I Environmental Site Assessment, 2nd Chance Auto Sales, 1330 Carling Avenue, Ottawa Ontario, prepared by AMEC, dated November 2001.

Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Pinchin, dated July 8, 2008.

Phase I Environmental Site Assessment, 1330 Carling Avenue, Ottawa Ontario, prepared by Kollaard Associates, dated July 15, 2014.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4789-1 – SITE PLAN

DRAWING PE4789-2 – SURROUNDING LAND USE PLAN

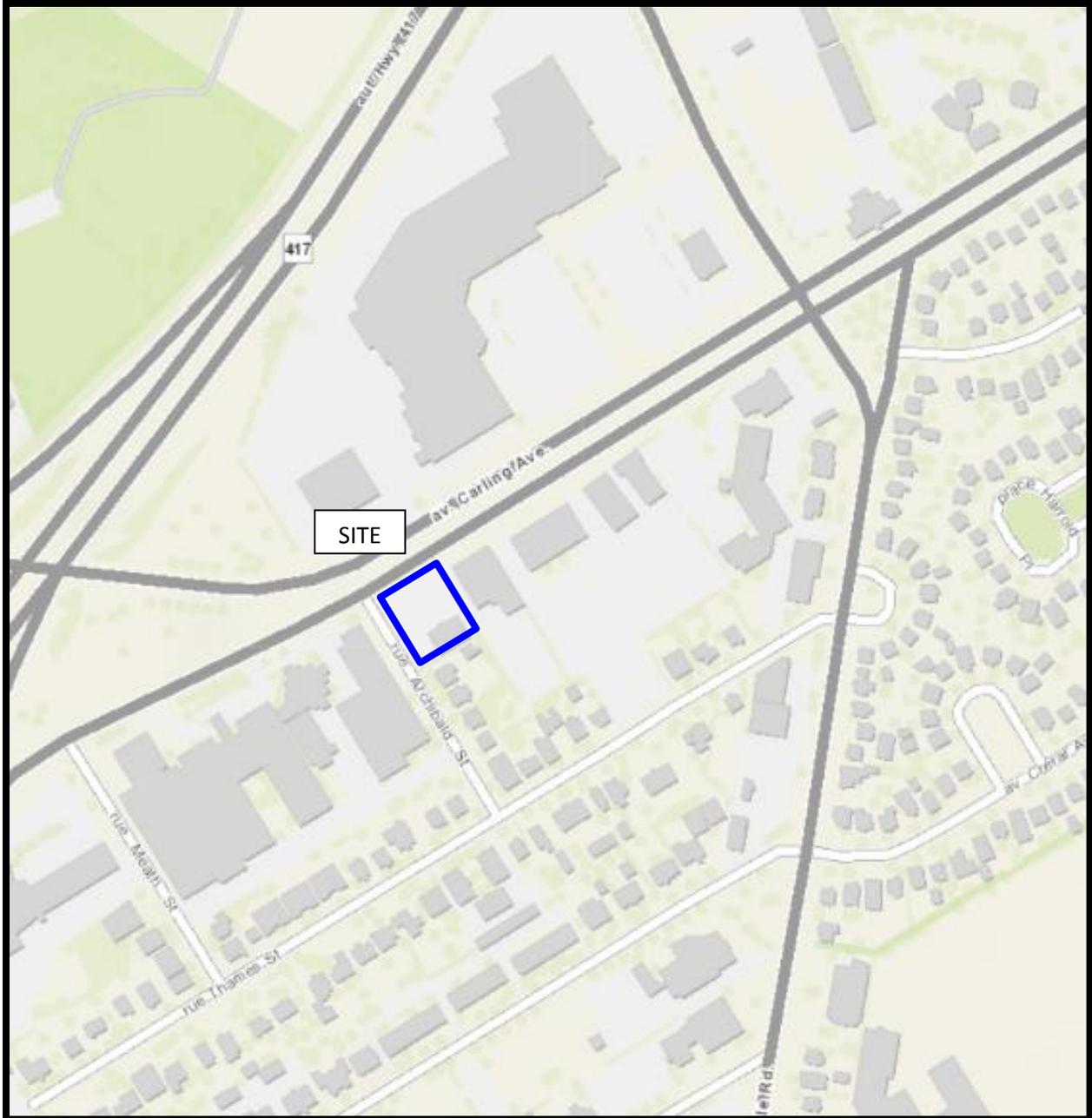


FIGURE 1
KEY PLAN

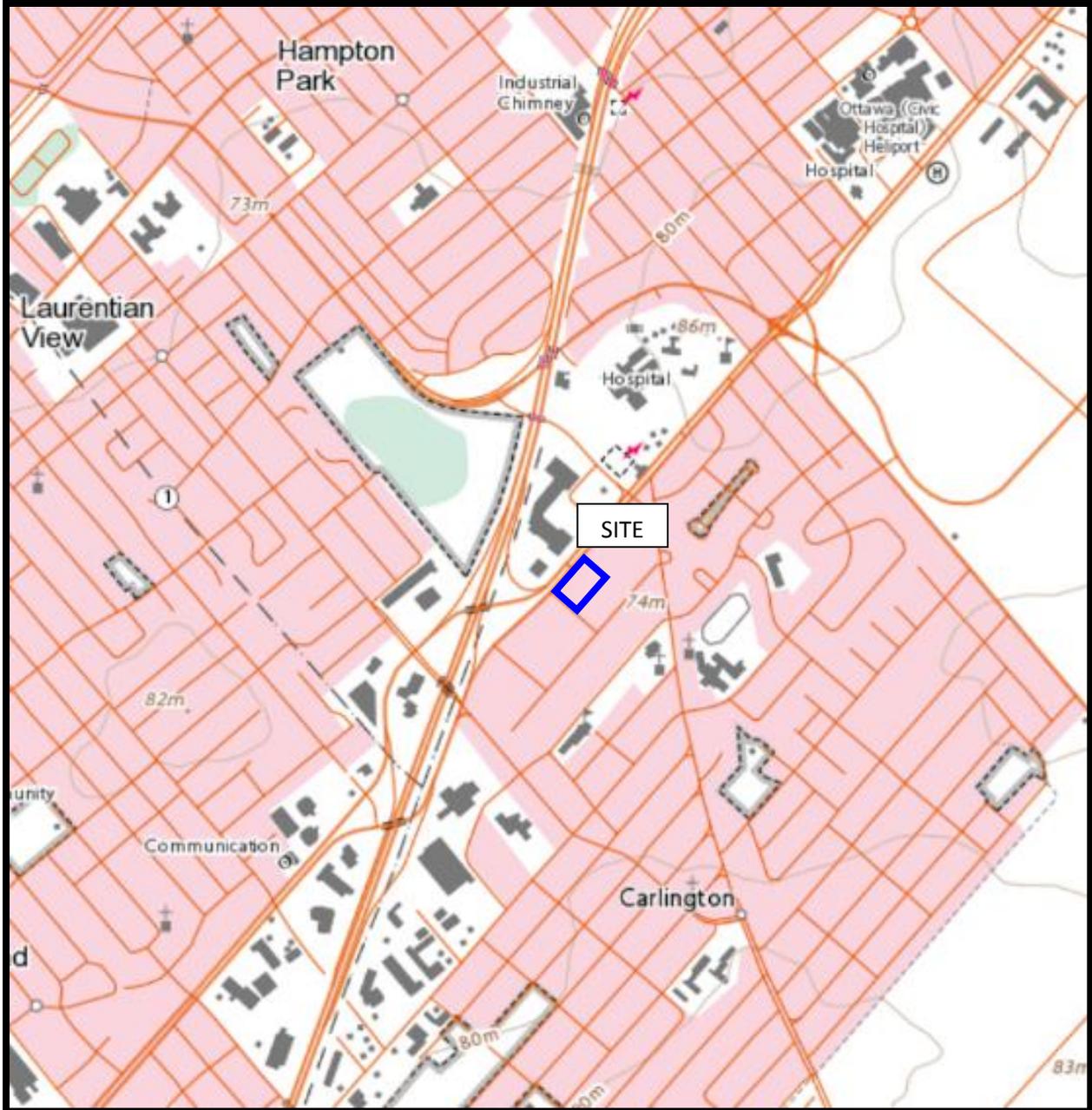
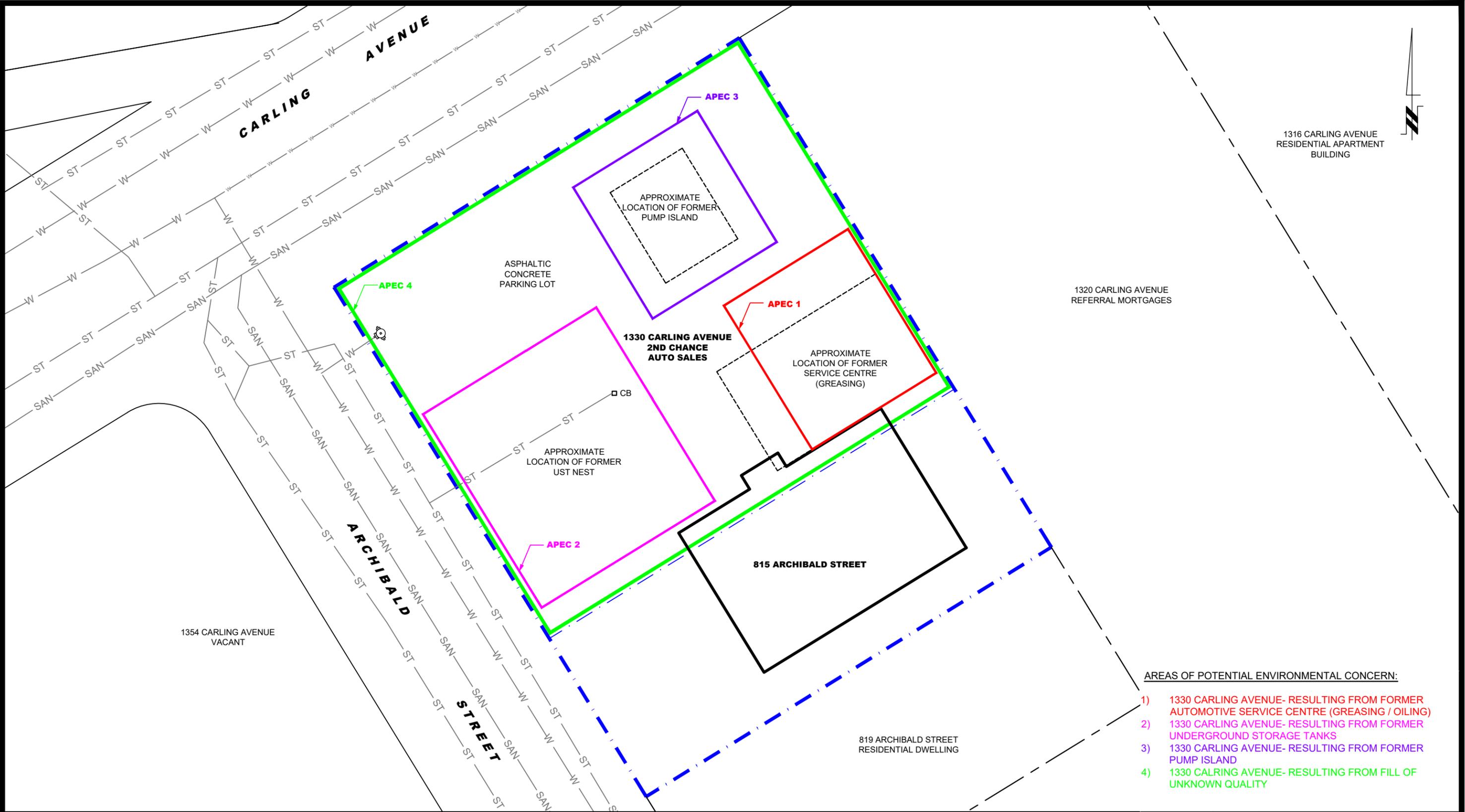


FIGURE 2
TOPOGRAPHIC MAP



- AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:**
- 1) 1330 CARLING AVENUE- RESULTING FROM FORMER AUTOMOTIVE SERVICE CENTRE (GREASING / OILING)
 - 2) 1330 CARLING AVENUE- RESULTING FROM FORMER UNDERGROUND STORAGE TANKS
 - 3) 1330 CARLING AVENUE- RESULTING FROM FORMER PUMP ISLAND
 - 4) 1330 CALRING AVENUE- RESULTING FROM FILL OF UNKNOWN QUALITY

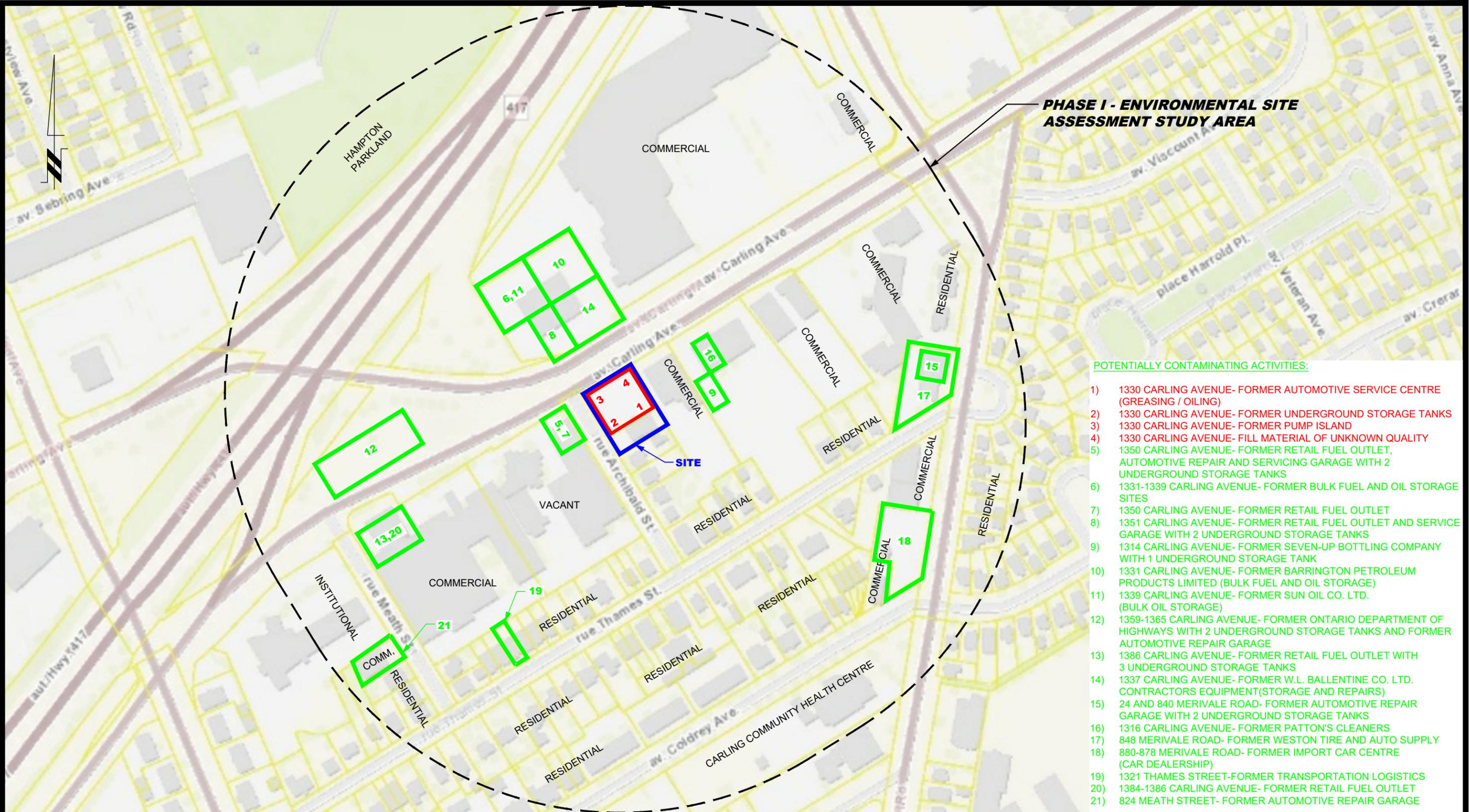
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NO.	REVISIONS	DATE	INITIAL

1343678 ONTARIO LTD.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1330 CARLING AVENUE AND 815 ARCHIBALD STREET
OTTAWA, ONTARIO
Title: **SITE PLAN**

Scale:	1:250	Date:	03/2020
Drawn by:	NFRV	Report No.:	PE4789-1
Checked by:	MW	Dwg. No.:	PE4789-1
Approved by:	MSD	Revision No.:	



PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA

- POTENTIALLY CONTAMINATING ACTIVITIES:**
- 1) 1330 CARLING AVENUE- FORMER AUTOMOTIVE SERVICE CENTRE (GREASING / OILING)
 - 2) 1330 CARLING AVENUE- FORMER UNDERGROUND STORAGE TANKS
 - 3) 1330 CARLING AVENUE- FORMER PUMP ISLAND
 - 4) 1330 CARLING AVENUE- FILL MATERIAL OF UNKNOWN QUALITY
 - 5) 1350 CARLING AVENUE- FORMER RETAIL FUEL OUTLET, AUTOMOTIVE REPAIR AND SERVICING GARAGE WITH 2 UNDERGROUND STORAGE TANKS
 - 6) 1331-1339 CARLING AVENUE- FORMER BULK FUEL AND OIL STORAGE SITES
 - 7) 1350 CARLING AVENUE- FORMER RETAIL FUEL OUTLET
 - 8) 1351 CARLING AVENUE- FORMER RETAIL FUEL OUTLET AND SERVICE GARAGE WITH 2 UNDERGROUND STORAGE TANKS
 - 9) 1314 CARLING AVENUE- FORMER SEVEN-UP BOTTLING COMPANY WITH 1 UNDERGROUND STORAGE TANK
 - 10) 1331 CARLING AVENUE- FORMER BARRINGTON PETROLEUM PRODUCTS LIMITED (BULK FUEL AND OIL STORAGE)
 - 11) 1339 CARLING AVENUE- FORMER SUN OIL CO. LTD. (BULK OIL STORAGE)
 - 12) 1359-1365 CARLING AVENUE- FORMER ONTARIO DEPARTMENT OF HIGHWAYS WITH 2 UNDERGROUND STORAGE TANKS AND FORMER AUTOMOTIVE REPAIR GARAGE
 - 13) 1386 CARLING AVENUE- FORMER RETAIL FUEL OUTLET WITH 3 UNDERGROUND STORAGE TANKS
 - 14) 1337 CARLING AVENUE- FORMER W.L. BALLENTINE CO. LTD. CONTRACTORS EQUIPMENT (STORAGE AND REPAIRS)
 - 15) 24 AND 840 MERIVALE ROAD- FORMER AUTOMOTIVE REPAIR GARAGE WITH 2 UNDERGROUND STORAGE TANKS
 - 16) 1316 CARLING AVENUE- FORMER PATTON'S CLEANERS
 - 17) 848 MERIVALE ROAD- FORMER WESTON TIRE AND AUTO SUPPLY
 - 18) 880-878 MERIVALE ROAD- FORMER IMPORT CAR CENTRE (CAR DEALERSHIP)
 - 19) 1321 THAMES STREET-FORMER TRANSPORTATION LOGISTICS
 - 20) 1384-1386 CARLING AVENUE- FORMER RETAIL FUEL OUTLET
 - 21) 824 MEATH STREET- FORMER AUTOMOTIVE REPAIR GARAGE

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NO.	REVISIONS	DATE	INITIAL

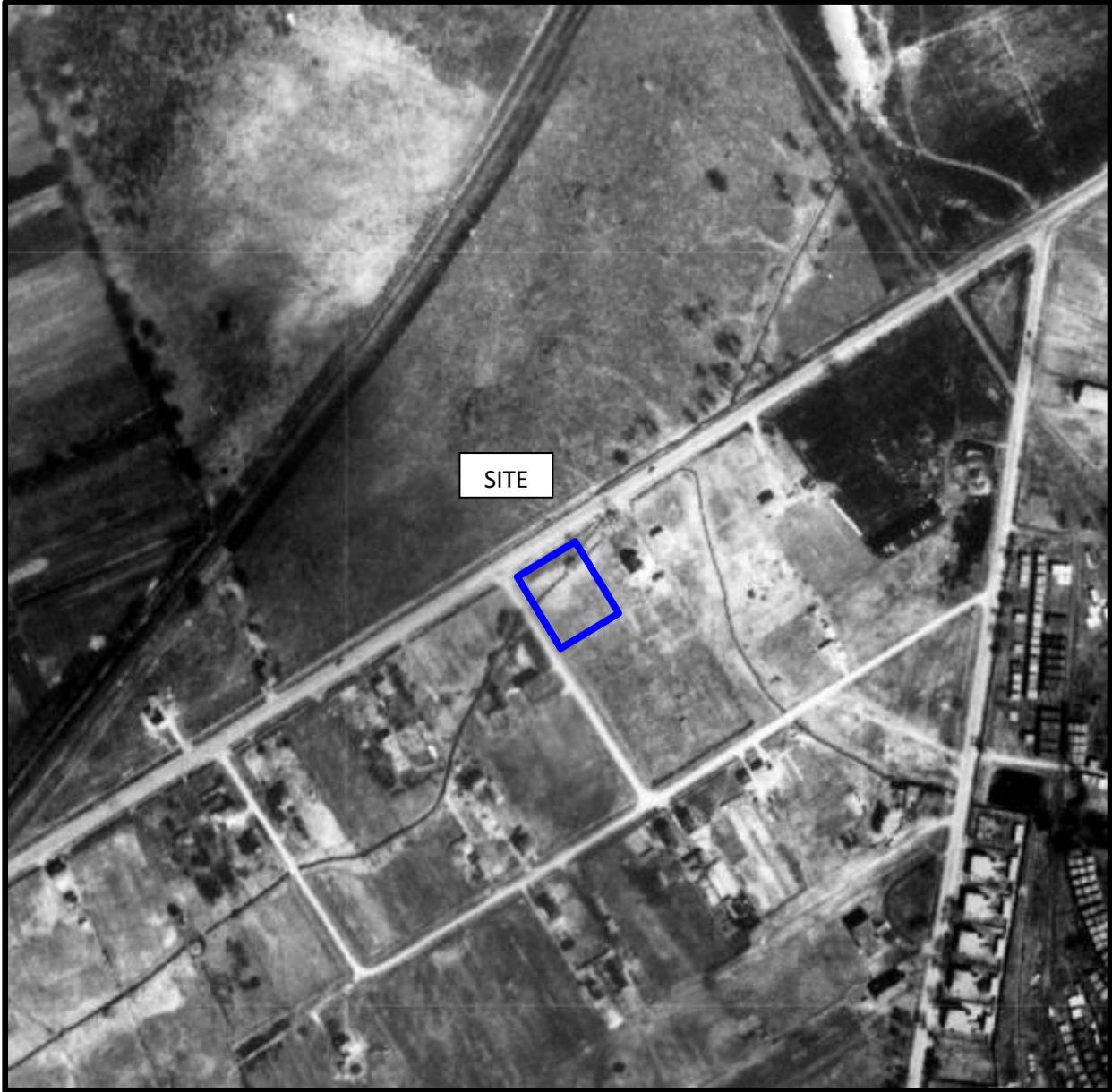
1343678 ONTARIO LTD.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
1330 CARLING AVENUE AND 815 ARCHIBALD STREET
OTTAWA, ONTARIO
Title: **SURROUNDING LAND USE PLAN**

Scale:	1:2500	Date:	03/2020
Drawn by:	NFRV	Report No.:	PE4789-1
Checked by:	MW	Dwg. No.:	PE4789-2
Approved by:	MSD	Revision No.:	

APPENDIX 1

AERIAL PHOTOGRAPHS

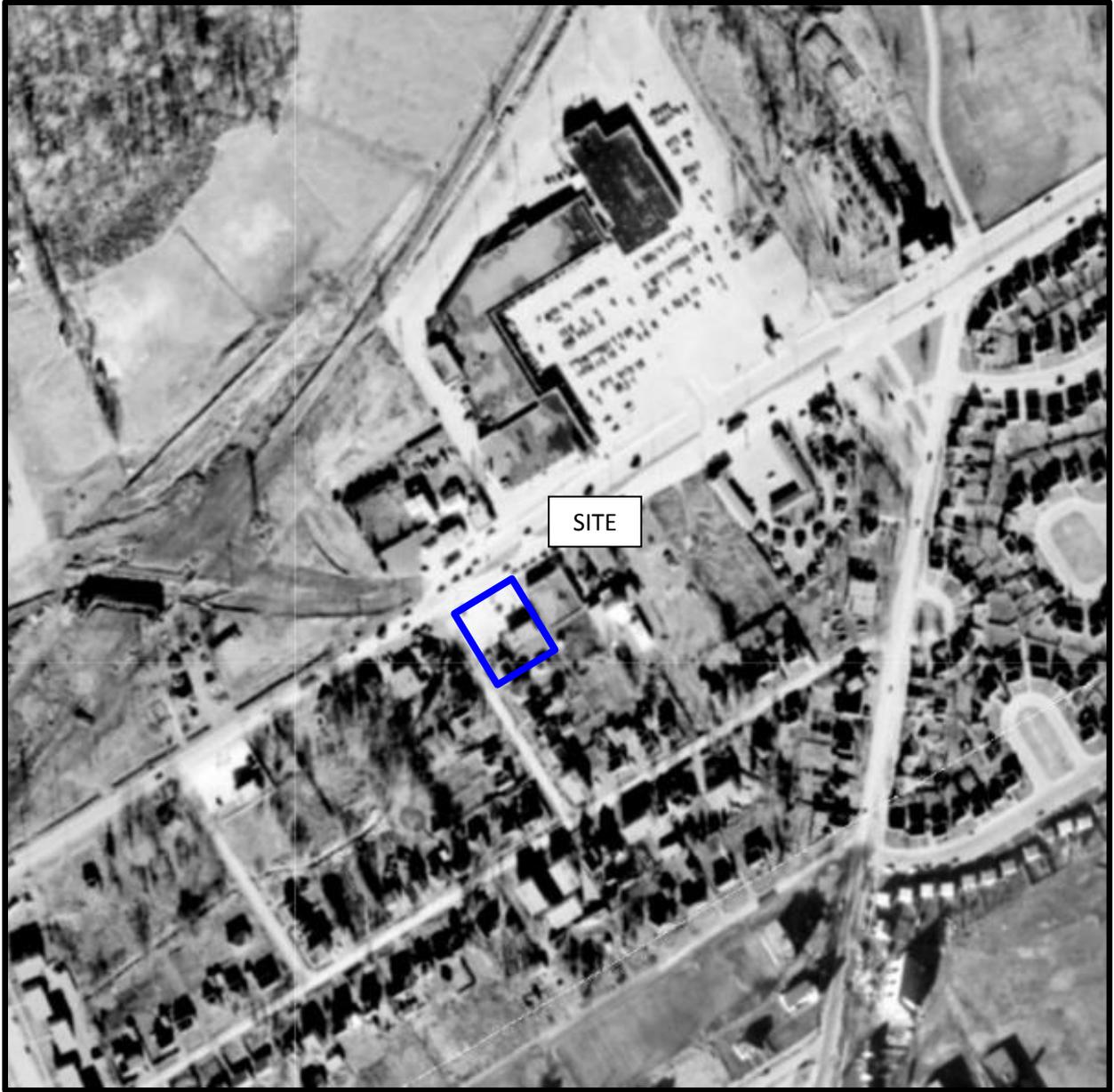
SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1928



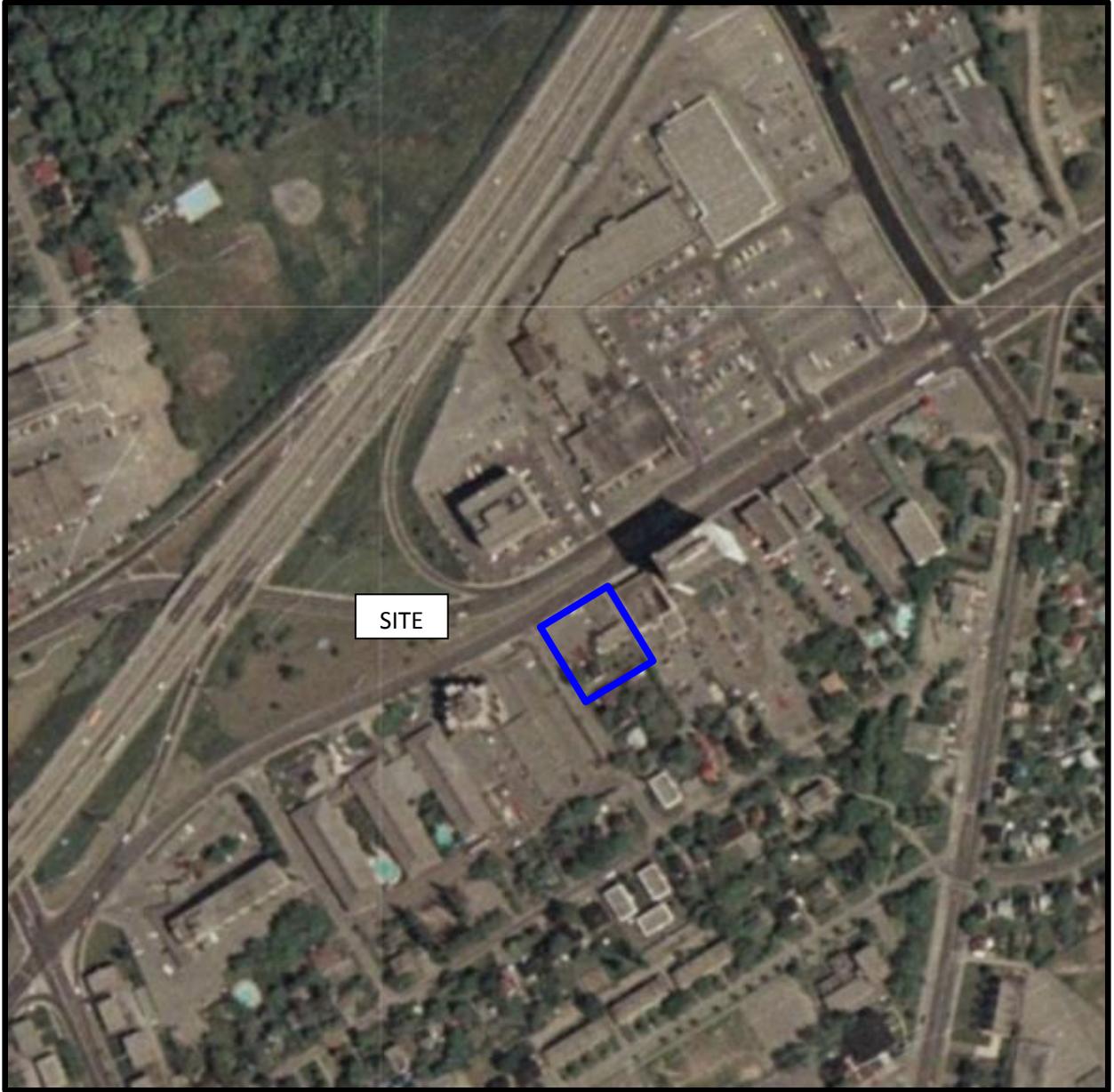
AERIAL PHOTOGRAPH
1945



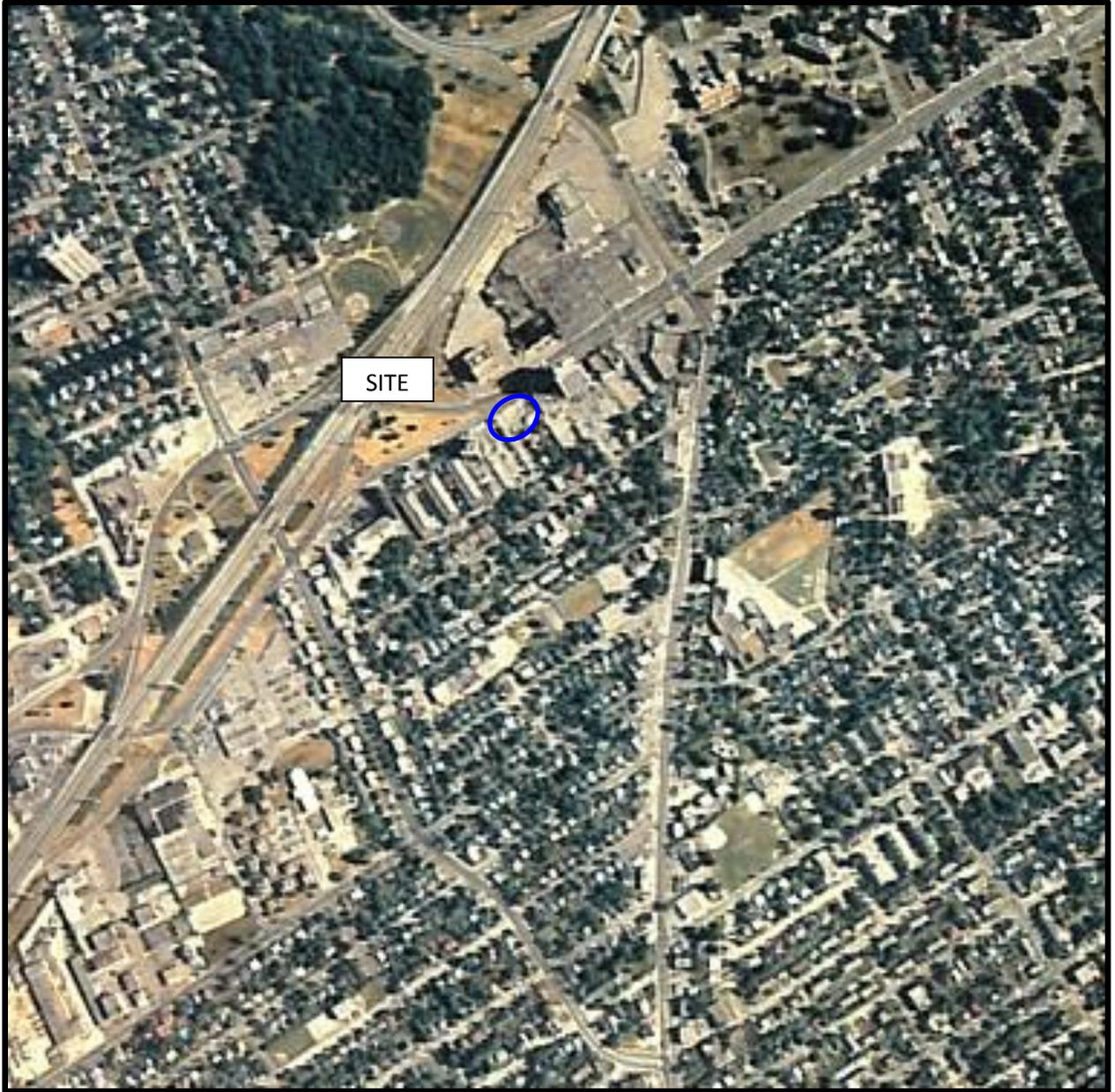
AERIAL PHOTOGRAPH
1958



AERIAL PHOTOGRAPH
1965



AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2017

Site Photographs

PE4789

1330 Carling Avenue and 815 Archibald Street – Ottawa, ON November 13, 2019



Photograph 1: View of the Phase I Property, taken from the Carling Avenue and Archibald intersection, looking southeast.



Photograph 2: Southern view of the Phase I Property and subject building, taken from Archibald Street, looking east.

APPENDIX 2

CHAIN OF TITLE

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

TSSA CORRESPONDENCE

ERIS REPORT



READ Abstracts Limited

331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4

Email: search@readsearch.com

Tel.: 613-236-0664

Fax: 613-236-3677

ENVIRONMENTAL SEARCH

PatersonGroup

Attn: Mandy

BRIEF DESCRIPTION OF LAND:

1330 Carling and 815 Archibald, Ottawa

Part Block 8, Plan 221

Part Lot 7, Lot 8, Plan 529

PIN: 04002-0009 (1330 Carling)

04002-0008 (815 Archibald)

LAST REGISTERED OWNER: 1343678 Ontario Ltd.

CHAIN OF TITLE:

Deed RO9276 registered Jan 5, 1856

From Allan Gilmour to Archibald Stevenson

Deed NP3677 registered Jun 9, 1875

From Archibald Stevenson to Donald Grant

Deed NP9090 registered Mar 10, 1883

From Archibald Stevenson to Thomas McTiernan

Vesting Order NP19663 registered Jun 19, 1903

To Jessie Stewart

Plan 221 registered Dec 7, 1903

By Jessie Stewart

Block 8, Plan 221

Deed NP22744 registered Jun 1, 1909

From Jessie Stewart to Louisa Johnston

Deed NP22745 registered Jun 1, 1909
From Louisa and William Johnston to Isidore Laderoute

Deed NP22747 registered Jun 1, 1909
From Jessie Stewart to Louisa Johnston

Deed NP22933 registered Sep 7, 1909
From Louisa and William Johnston to Isidore Laderoute

Deed NP22952 registered Sep 11, 1909
From Isidore Laderoute to Elzear Chaput

Deed NP32411 registered Feb 14, 1919
From Elzear Chaput to Thomas McGrail

Deed NP62842 registered Jul 30, 1949
From Thomas McGrail to Hugh Johnson

Deed NP63496 registered Oct 7, 1949
From Hugh Johnson to Shell Oil Company of Canada Limited

Deed NP63555 registered Oct 13, 1949
From Hugh Johnson to Ainsley Shipman

Deed OT1022 registered Apr 14, 1950
From Shell Oil Company of Canada Limited to The Canada Life Assurance Company,
The Imperial Life Assurance Company, and The Crown Life Insurance Company

Lease OT1023 registered Apr 14, 1950
From The Canada Life Assurance Company, The Imperial Life Assurance Company, and
The Crown Life Insurance Company to Shell Oil Company of Canada Limited

Plan 529 registered Aug 2, 1950 (a subdivision of Part Block 8, Plan 221)
By Ainsley Shipman (see Lot 7 and 8 below)

Deed CR594769 registered Jul 20, 1971
From The Canada Life Assurance Company, The Imperial Life Assurance Company, and
The Crown Life Insurance Company to Shell Canada Limited

Deed LT1036830 registered Apr 7, 1997
From Shell Canada Limited to 1117018 Ontario Ltd.

Deed LT1414115 registered Aug 10, 2001
From 1117018 Ontario Ltd. To 1343678 Ontario Ltd.

Lot 8 and part Lot 7, Plan 529

Deed OT3332 registered Sep 23, 1950
From Ainsley Shipman to Hugh Johnson

Deed OT4019 registered Nov 10, 1950
From Hugh Johnson to Raymond Potvin and Aline Potvin

Deed N665581 registered Jul 15, 1993
From Raymond Potvin and Aline Potvin to Monkey Joe's Ltd.

Deed LT1214486 registered Jul 26, 1999
From Monkey Joe's Ltd. To 1343678 Ontario Ltd.

All

Lease OC885833 registered Aug 6, 2008
To 1092158 Ontario Ltd.

Lease OC885834 registered Aug 6, 2008
To 1117018 Ontario Ltd.



OCCURENCE REPORT

Location of Occurrence: OTTAWA CITY 815 ARCHIBALD ST. OTTAWA Reg: 4 Dist: OT Municipality: 20101		Source: RAYMOND POTVIN Sector: PE Source: TT SIC: UTM: N: [] E: [] Zone: []	
Entered:	ORIS No. 9140200160	Abstracts:	Diaries:
Received By: NANCY BOON		Batch: 0	I. E. B. No.
Occurrence Type: N	Subtype: 01	Occurrence Date:	1991/02/24
Work Plan:		Occurrence Time:	
Reported By: CHUCK MAGUIRE		Report to MOE : 1991/02/25 : MOE at Scene :	
Telephone No. 613-225-0700 x	Alternate No. - - x	Assigned To:	REG DOYLE
Address: 1760 COURTWOOD CRESCENT OTTAWA, ONTARIO Postal Code:		ERP Contacted: Callout: [] ERP Name:	NSP: []
Syn: OIL SPILLED TO GROUND			
Brief Summary: RUPTURED SEAL ON DELIVERY TRUCK SPILLED 20 LITRES TO ASPHALT. OIL CLEANED WITH ABSORBENT. NO ESCAPE TO SEWERS.			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: X Abatement IEB Other BF Date:			
File Closed: X Abatement: IEB Other Suspected Violation:			
Report Prepared By: REG DOYLE	Date: 03/05/91	IEB Investigator:	IEB BF Date
Approving Officer GEORGE CLARKE	Date: 03/05/91	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			

Material 1: OIL	Code : 13
Amount :	UN No.:
Material 2:	Code :
Amount :	UN No.:
Material 3:	Code :
Amount :	UN No.:
Cause. :	Code. . :

Reason :	Code . . :
Person in Control:	Waste GenNum :
Owner :	Waste GenNum :
Agencies Involved :	
Clean up and Restoration Carried out by:	
<input checked="" type="checkbox"/> Controller	<input checked="" type="checkbox"/> Owner
	<input type="checkbox"/> Other
% Cleaned up:	Estimated Cost:
Were Directions or Approval Given Under	
EPA Part X <input checked="" type="checkbox"/>	Regulation 362 <input checked="" type="checkbox"/> Manifest No.
Waste Class :	Code . . :
Hauler :	Code . . :
Disposal Site :	Code . . :
Environmental Impact:	Nature of Impact:
	Code . . :
People/Business Damaged	
(Other than to Owner/Controller) :	
Nature of Damage:	Code . . :

Ministry of
Environment
and Energy

2435 Holly Lane
Ottawa ON K1V 7P2
Tel (613) 521-3450
Fax (613) 521-5437

Ministère de
l'Environnement
et de l'Énergie

2435 Holly Lane
Ottawa ON K1V 7P2
Tél (613) 521-3450
Télé (613) 521-5437



31.00.01.11.400
Ontario

November 6, 1996

Mr. Kevin Secord
General Manager
Sewer Matic Services
1124 Cummings Avenue
Ottawa, Ontario
K1J 7R8

Dear Mr. Secord:

RE: Cave Creek Collector Rehabilitation Program
Bypass Pumping Pinhey & Ladouceur

This is in reply to your letter of November 5, 1996 concerning the above.

The proposal you have outlined is satisfactory, since it will not cause the discharge of sanitary sewage to the storm sewer outfall.

If you wish to discuss this further, please contact me.

Yours truly,

G.R. Clarke, P. Eng.
Area Supervisor

GC/hf



SEWER MATIC SERVICES

5 NOVEMBER 1996

REFERENCE: LETCCCE.SAM

MINISTRY OF ENVIRONMENT AND ENERGY
2435 HOLLY LANE
OTTAWA, ONTARIO

MINISTRY OF ENVIRONMENT
& ENERGY

NOV 04 1996

ATTN: GEORGE CLARK

SUBJECT: **CAVE CREEK COLLECTOR REHABILITATION PROGRAM**
PHASE III, CONTRACT CS 6129
BYPASS PUMPING PIHNEY AND LADOUCEUR

Dear Mr. Clark,

Sewer-matic Services has been awarded the project noted above. The work associated with this project requires that we bypass the up stream flow of the Cave Creek collector while we repair the lower 3 sections of pipe.

This sewer is a combined storm sanitary system with overflows to the City of Ottawa's storm sewers at various locations along the length of the Cave Creek Collector. We propose to use the overflow at Pihney street to divert the dry weather sanitary flow to the City of Ottawa's 2100mm storm sewer and then pick it back up one block north at Scott street and return the sanitary flow back to the Regional sanitary collection system at there West Nepean Collector also located at Scott street.

We will be using weirs strategically placed in the sewers to contain the dry weather flow for our pumping operation, in the event of a storm where the collector will be taking increased flow from surface run-off we will shut down our operation.

The weirs will be constructed so that we can open ports in the weir that will allow the normal dry weather flow rate to pass through in the event we shut down the pumping system.

Upon completion of our work (approx. two months) we will flush the storm pipe we used for the bypass and vacuum up the debris before removing the pump and weir system from the storm sewer at Scott street.

I have included a diagram of the area we will be working in and hopefully give you a better idea of our bypass plan.

HEAD OFFICE: 1124 CUMMINGS AVENUE, OTTAWA, ONTARIO K1J 7R8 TEL.: (613) 746-2114 FAX: (613) 746-6766
TOLL FREE: 1-800-461-3267

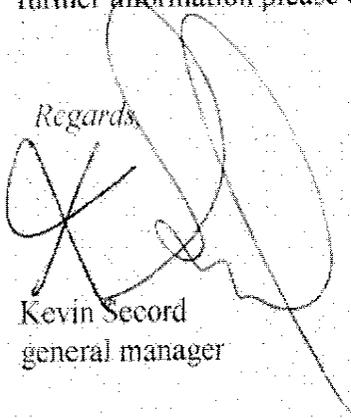
KINGSTON: 125-A DUFF STREET, KINGSTON, ONTARIO K7K 2L6 TEL.: (613) 544-4111 FAX: (613) 544-4004

Div. of Sewer-Matic Drain Services Ltd.

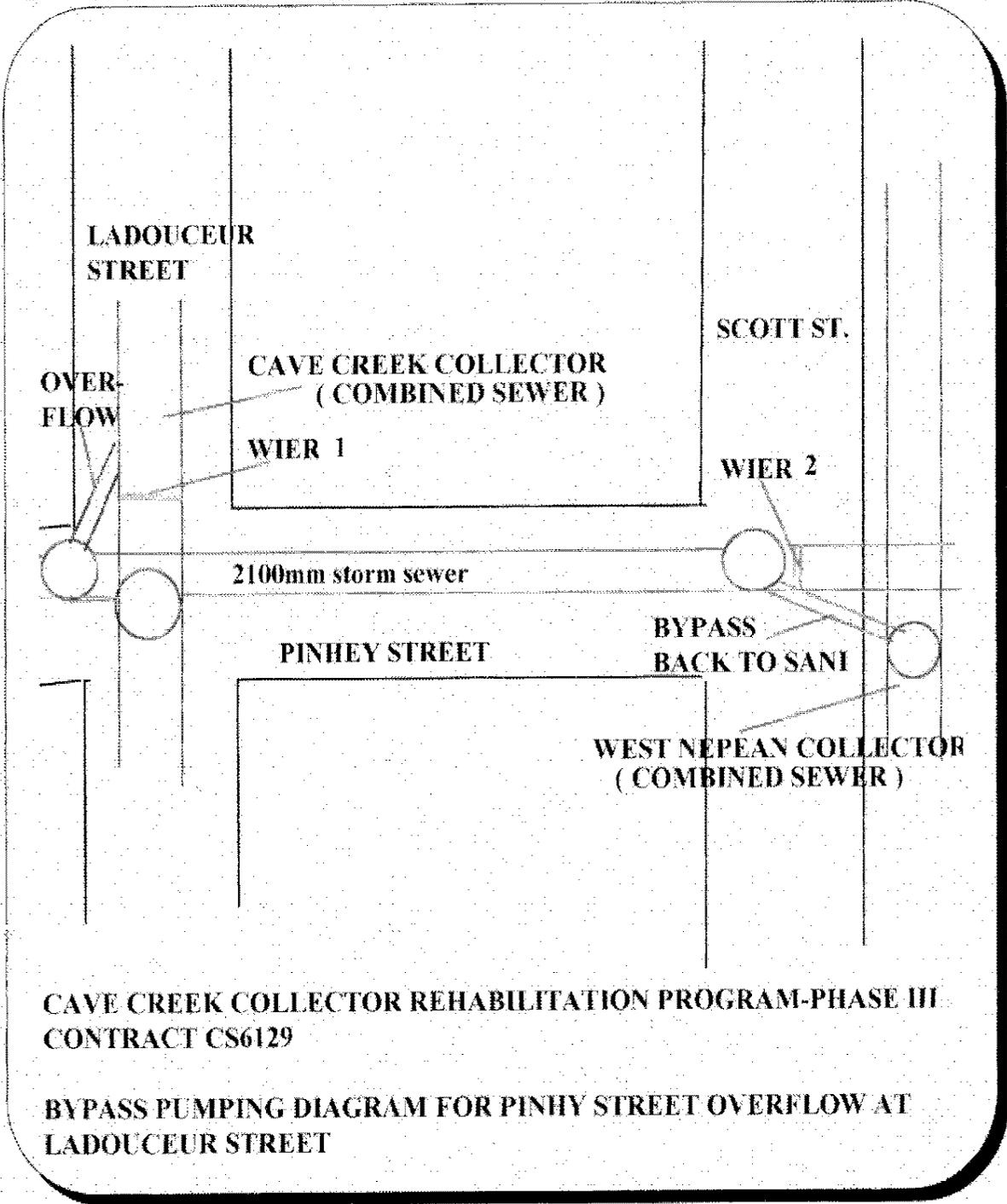
000004

I hope this letter and diagram meet with your requirements and approval, and if you require any further information please contact the undersigned.

Regards,

A handwritten signature in black ink, appearing to be 'Kevin Secord', written over the word 'Regards'.

Kevin Secord
general manager



SI OCOT CA 160

Ministry of
Environment
and Energy

Ministère de
l'Environnement
et de l'Énergie



Ontario

2435 Holly Lane
Ottawa ON K1V 7P2
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Fax (613) 521-5437

2435 Holly Lane
Ottawa ON K1V 7P2
Tél (613) 521-3450
Télec (613) 521-5437

July 23, 1996

Mr. Noel Finn, P.Eng.
Senior Project Engineer
Engineering Branch
City of Ottawa
111 Sussex Drive
Ottawa, Ontario
K1N 5A1

Dear Noel;

Re: City of Ottawa, 1330 Carling Avenue, Former Shell Station

I have reviewed your proposal to abandon the section of storm sewer which crosses the former Shell Service Station property at 1330 Carling Avenue and have no objections. Please let me know if any contamination is encountered during the installation of the new pipe.

If you have any questions, please give me a call.

Yours truly;

Bryan D. Dickman,
Senior Environmental Officer.





OTTAWA

CITY OF
OTTAWA

FAX COVER LETTER

FAX: 244-5428

FICHE D'ACCOMPAGNEMENT - TÉLÉCOPIEUR

DATE: 16 July 96

PLEASE DELIVER THE FOLLOWING PAGE(S) TO:
PRIÈRE DE TRANSMETTRE LES PAGES QUI SUIVENT À:

NAME/NOM: BRYAN DICKMAN

FIRM/ENTREPRISE: MOSE

CITY/VILLE: _____

FROM/EXPÉDITEUR: NOEL FINN

DEPARTMENT/SERVICE: ENGINEERING AND WORKS: ENGINEERING BRANCH

TOTAL NUMBER OF PAGES 4 INCLUDING COVER LETTER
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IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL 244-5300 EXT. 3331 AS SOON AS POSSIBLE.
SI VOUS NE RECEVEZ PAS TOUTES LES PAGES, PRIÈRE DE RAPELER 244-5300 EXT. 3331 DES QUE POSSIBLE.

MESSAGE/MESSAGE: 1330 CARLING AVE

As per our conversation enclosed is design
brief for proposed works

Pls provide comments

Phs
Jay

**STORM SEWER DIVERSION
ARCHIBALD AT CARLING AVE.
PROJECT #2984
PROJECT DESIGN BRIEF**

BACKGROUND

A site investigation of 1330 Carling Ave, a former service station, has identified the presence of petroleum contaminated soil in excess of MOEE Level II criteria. The Ottawa District Office of the MOEE¹ has identified and catalogued the site. An existing 0.914m x 2.44m City of Ottawa Storm Sewer traverses the northwest corner of the property as shown in the attached Figure 1. Downstream from the connection of this storm sewer to the 1800mm City of Ottawa Collector, the presence of petroleum hydrocarbon has been detected.

PROPOSAL

To eliminate the possible source of contamination, the City of Ottawa proposes to abandon the existing storm sewer. The proposal consists of two parts.

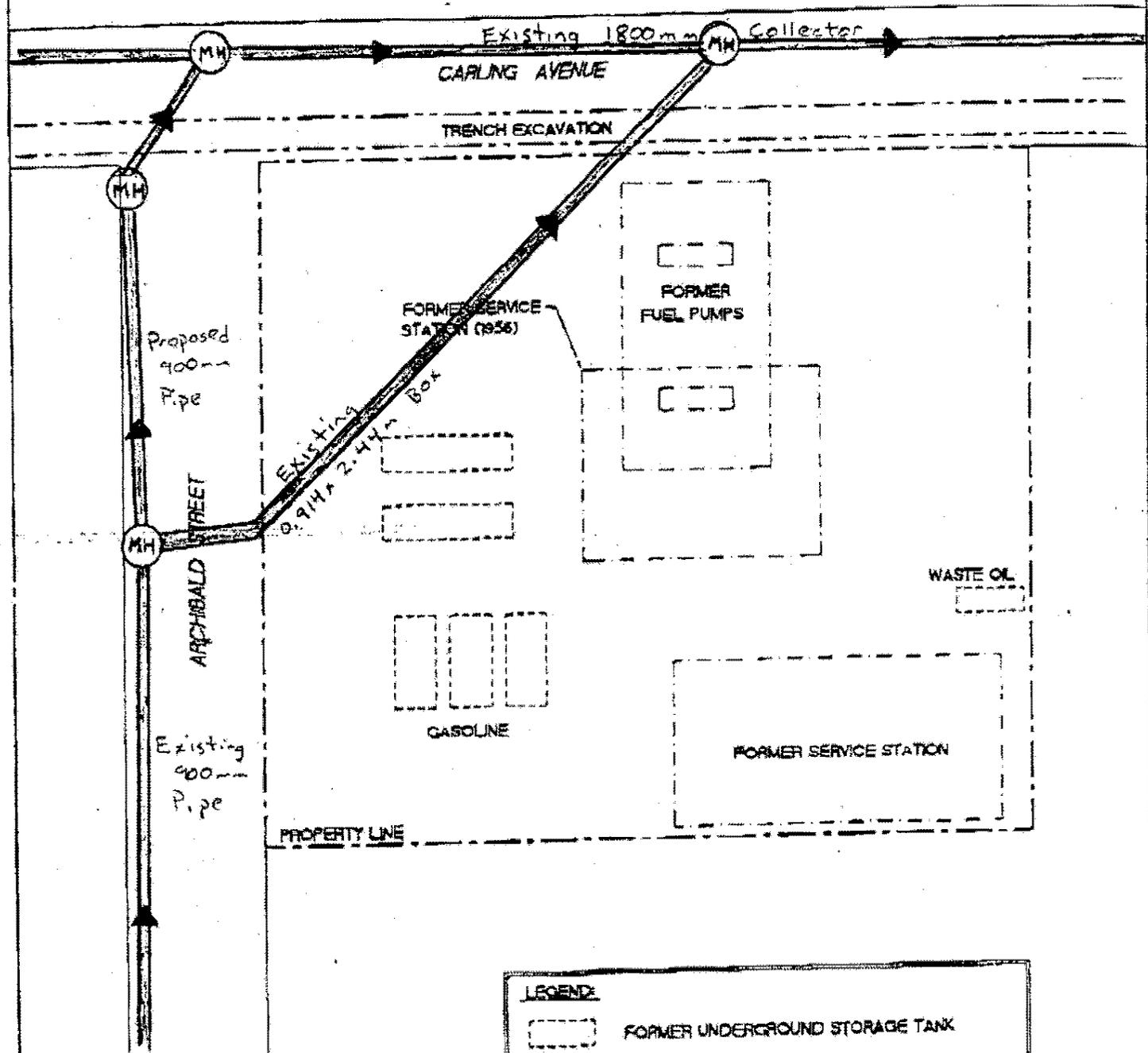
- (1) Replace the existing 0.914m x 2.44m storm sewer with a new 900mm storm sewer as shown in Figure 1 attached.
- (2) Plug the existing 0.914m x 2.44m storm sewer at the property line and fill with concrete.

As shown in Table 1, the proposed 900mm storm sewer exceeds the capacity of the existing 900mm sewer on Archibald.

The specifics of the proposed construction is shown in the attached plans.

¹ Contact Brian Dickman

Figure 1: Existing and Proposed
Pipe Locations



LEGEND:

- FORMER UNDERGROUND STORAGE TANK
- FORMER GASOLINE SERVICE STATION FACILITIES

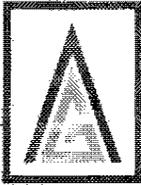
AINLEY GRAHAM AND ASSOCIATES ENVIRONMENTAL MONITORING - SEWER TRENCH EXCAVATION 1330 CARLING AVENUE - SITE PLAN OTTAWA ONTARIO		Scale: 1:300	Figure No: 30494-2		 Jacques Whitford
		Date: 95/06/28	Dwn. By: GBB	App'd: BDC	

Table 1: Hydraulic Calculations

Archibald Ave.
Project #2920

$$Q = 1/n * AR^{(2/3)} * S^{(1/2)}$$

	Area (A) (m ²)	Hydraulic Radius (R) (m)	Slope (S) (%)	Capacity (Q) (l/s)
Existing Pipe (900mm)	0.66	0.23	0.3	1040
Existing Box (1.22m x 2.44m)	2.23	0.52	0.1	6100
Proposed Pipe (900mm)	0.66	0.23	0.42	1240



Ainley Graham and Associates Limited
Consulting Engineers and Planners

2724 Fenton Road, Gloucester, Ontario K1G 3N3
Tel (613) 822-1052 • Fax (613) 822-1573

July 24, 1995

File: 94013-4

Ontario Ministry of the Environment and Energy
2435 Holly Lane
Ottawa, Ontario
K1V 7P2

MINISTRY OF ENVIRONMENT
AND ENERGY

JUL 27 1995

OTTAWA

Attn: **Bryan Dickman**
Senior Environmental Officer

Ref: **Cave Creek Collector Sewer Upgrade**
Contaminated Soils Investigations
1330 Carling Avenue (old Shell Retail Outlet)

Dear Mr. Dickman,

Enclosed for your files, please find a copy of the "Environmental Monitoring of Trench Excavation - RMOC Property Adjacent to 1330 Carling Avenue" report recently completed by the firm of Jacques Whitford Environment Limited. This report follows the monitoring program undertaken during the construction of the Cave Creek Collector Sewer on Carling by the RMOC.

We trust that you will find the report satisfactory.

Yours very truly,

AINLEY GRAHAM AND ASSOCIATES LIMITED

John D. Krug, P.Eng.
Director, Municipal Engineering

encl.

cc. Steve Forestell (RMOC)



COLLINGWOOD

BARRIE



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OTTAWA



000012



**Jacques Whitford
Environment Limited**

Consulting Engineers
Environmental Scientists

2781 Lancaster Road
Suite 208
Ottawa, Ontario
Canada K1B 1A7

Tel: 613 738 0700
Fax: 613 738 0721

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Calgary, AB
Portland, ME
Mexico, DF
Moscow

June 28, 1995

Project No. 30494

Mr. John Krug
Ainley Graham and Associates Limited
2724 Fenton Road
Gloucester, Ontario K1G 3N3

Dear Mr. Krug:

Re: Environmental Monitoring of Trench Excavation
RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario

1.0 INTRODUCTION

Jacques Whitford Environment Limited (JWEL) was retained by Ainley Graham and Associates Limited to perform environmental monitoring activities during the excavation of the trench for the Cave Creek Collector sewer line at the above noted location in Ottawa (see Key Plan, Figure 30494-1).

The objective of the monitoring program was to identify petroleum hydrocarbon contaminated subsoils during trench excavation and segregate the soils for appropriate disposal prior to the installation of the proposed Cave Creek sanitary relief system. Monitoring of groundwater flowing into the trench and other associated environmental concerns was also undertaken.

The presence of contaminated soils in the area to be excavated was previously identified by JWEL in a Phase II Environmental Site Assessment (ESA) report dated December 16, 1994. As part of the Phase II ESA investigation, soil samples were collected from two boreholes drilled along the area to be excavated for sewer placement. Laboratory analysis of one of the soil samples detected concentrations of ethylbenzene, xylenes, and total petroleum hydrocarbons in excess of the applicable Ontario Ministry of the Environment and Energy (MOEE) Level II soil remediation criteria. Concentrations of these parameters were detected in the soil sample at levels 2 to 18 greater than times the concentrations specified by the criteria.



Mr. J. Krug
Page 2
June 28, 1995

The subject site is adjacent to a gravel covered, vacant lot located at the southeast corner of Carling Ave. and Archibald St. (see Figure 30494-2). Land use to the north of this vacant lot is the Carling Avenue Queensway ramps and the Westgate Shopping Mall; to the south is residential; to the east is commercial (Salvation Army) and to the west is a commercial (hotel and parking garage).

The scope of work for the environmental monitoring included the following:

- Sampling of soils excavated from the sewer trench;
- Segregation and disposal of contaminated soils;
- Laboratory analysis soil samples; and
- Report preparation.

While on site JWEL personnel also monitored groundwater inflow into the excavated trench. Based on data reported by JWEL in the Phase II Environmental ESA report, the flow of contaminated groundwater into the excavation was not expected to be a concern based on local soil conditions and the depth to the groundwater table. Laboratory analysis of groundwater was not within the scope of the environmental monitoring work.

2.0 METHODOLOGY

2.1 Environmental Monitoring

On May 12, 15, and 16, 1995. JWEL personnel were on site to monitor the trench excavation being conducted for the placement of the Cave Creek Collector sewer line. The section of trench excavated is shown on Figure No. 30494-2. The trench was approximately 3.2 m wide and had a depth of 4.0 m below ground surface.

The criteria for excavation was to remove petroleum hydrocarbon contaminated subsoils encountered within the excavated trench. As a practical method of identifying hydrocarbon contaminated subsoils during excavation, a field excavation criteria of petroleum odours and/or petroleum staining was adopted. A Tracetector portable hydrocarbon surveyor, calibrated to hexane, was used to analyse petroleum hydrocarbon derived vapour concentrations in field samples.

Mr. J. Krug
Page 3
June 28, 1995

Soil was sampled from the bucket of the excavator. It was not possible to sample the excavation sidewalls due to the placement of a trench box within the excavation. JWEL logged the soil stratigraphy and structure and immediately placed the soil samples collected into tightly sealed, double plastic sample bags. Petroleum derived combustible vapour concentrations were measured in the soil sample headspace using the Tracetehtor. Samples were stored in a cooler with ice packs until delivery to the analytical laboratory.

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact.

Concrete dykes were installed by the contractor at approximately the east and west property lines of 1330 Carling Avenue (see Figure No. 30494-3). The dykes were installed to prevent any subsequent seepage of petroleum hydrocarbon contaminated groundwater from travelling along the pipe trench past the property boundaries.

2.2 Laboratory Testing

Laboratory testing parameters are determined based on contamination concerns arising from the historical and present land use of the subject site and surrounding properties. The vacant lot adjacent to the trench excavation was formerly a gasoline service station and therefore samples were analysed for petroleum hydrocarbons.

Soil samples GS3, GS5, GS14, and GS27 were analysed for Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) and Total Petroleum Hydrocarbons (TPH). The samples were chosen based on combustible vapour readings and their location along the trench. Samples GS3 and GS27 are representative of non-contaminated soil and were collected from areas before and after the section of contaminated soil, respectively. Sample GS5 was collected when hydrocarbon staining was first encountered and sample GS14 was selected from the approximate centre of the stained area.

Samples were submitted to Accutest Laboratories Ltd., of Nepean, Ontario.



3.0 RESULTS

3.1 Subsurface Conditions

The subsurface soil stratigraphy observed along the trench consisted generally of asphalt, concrete, sand and gravel fill, sand fill, grey silt and sand with cobbles, and silty clay. A detailed description of the local subsurface stratigraphy can be found in the Jacques Whitford Limited Geotechnical Investigation report prepared for Ainley Graham and Associates Limited in September 1994.

Petroleum derived combustible vapour concentrations in soil ranged from below the detection limit to 18% LEL. Measurements are noted on Figure 30494-3, Appendix 1.

During the trench excavation, 222 tonnes of soil were designated by JWEL to be hydrocarbon contaminated, based on field criteria. The zone of contamination is shown on figure 30494-3. This soil was removed from site and hauled to Laidlaw's Carp Road waste disposal facility.

3.2 Site Sensitivity

A Site Sensitivity Assessment (SSA), presented as Figure No. 30494-4, was conducted in accordance with the MOEE Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites (August 1993). Based on the available information the site was classified as a Level II or moderately sensitive site. The main reasons behind the classification are as follows:

- No land use change is intended;
- The ground water is not used as a potable water source;
- The site is municipally serviced;
- The water table is at or above the bottom of the service trenches; and
- The hydraulic conductivity of the soils is 10^{-5} cm/sec.

3.3 Soil Contamination

To evaluate issues related to the protection of human health and the environment, JWEL used environmental quality criteria for soil from the SSA, (Level II).

Table 1 presents the results of soil analyses and relevant remediation criteria. Significant concentrations of Total Petroleum Hydrocarbons were detected in soil samples GS5 and GS14, collected from the area where staining was observed. A low concentration of TPH was also detected in GS3. However, all other hydrocarbon parameters in GS3 and GS27, which were collected outside of the area observed to be contaminated, were not detectable.

The petroleum hydrocarbon impacted soils, identified by staining and hydrocarbon odour were noted to occur between approximately 1.5 to 3.0 metres below grade.

3.4 Groundwater

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact. Water observed in the trench resulted from groundwater inflow and the occasional puncturing of a storm sewer line that neighboured the excavated trench and was to be replaced. Water was pumped from the trench and into either the neighbouring storm sewer or the newly constructed portion of the Cave Creek collector by Regional Municipality of Ottawa Carleton (RMOC) personnel. No groundwater contamination originating from the excavation work was observed.

Groundwater sampling and analysis was not within the scope of work for the environmental monitoring program and therefore no laboratory analysis was undertaken.

4.0 CONCLUSIONS

Based on the Environmental Monitoring Program carried out at the RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario during the excavation of the Cave Creek sewer relief trench, the following conclusions are made:

Based on field excavation criteria, hydrocarbon impact in the sewer trench excavation was limited to a soil horizon from 1.5 m to 3.0 m below ground surface for a length of approximately 25 m along the trench.



Mr. J. Krug
Page 6
June 28, 1995

A total of 222 tonnes of this soil (approximately 110 m³) was segregated by JWEL during excavation and disposed of at the Laidlaw disposal facility in Carp, Ontario

Soil samples collected from the trench excavation were found by laboratory analysis to contain petroleum hydrocarbon concentrations below the MOEE Level II criteria.

No environmental impact associated with the inflow of contaminated groundwater into the excavated trench was observed.

Concrete dykes were installed in the pipe trench to the east and west of the impacted section of soil to prevent subsequent seepage of hydrocarbon contaminated groundwater from travelling along the pipe trench.

5.0 CLOSURE

The site characteristics and conclusions provided are based on information obtained on limited sampling carried out at the specific test locations. The results can only be extrapolated to an undefined area around the test locations.

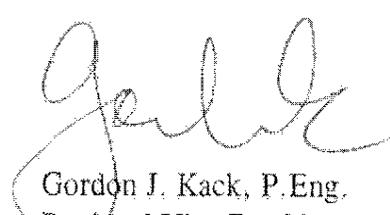
The conclusions presented represent the best judgement of the assessor based on current environmental standards. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, JWEL requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

Yours truly,

JACQUES WHITFORD ENVIRONMENT LIMITED


for Bruce D. Cochrane, B.Sc.
Project Manager
Attachments

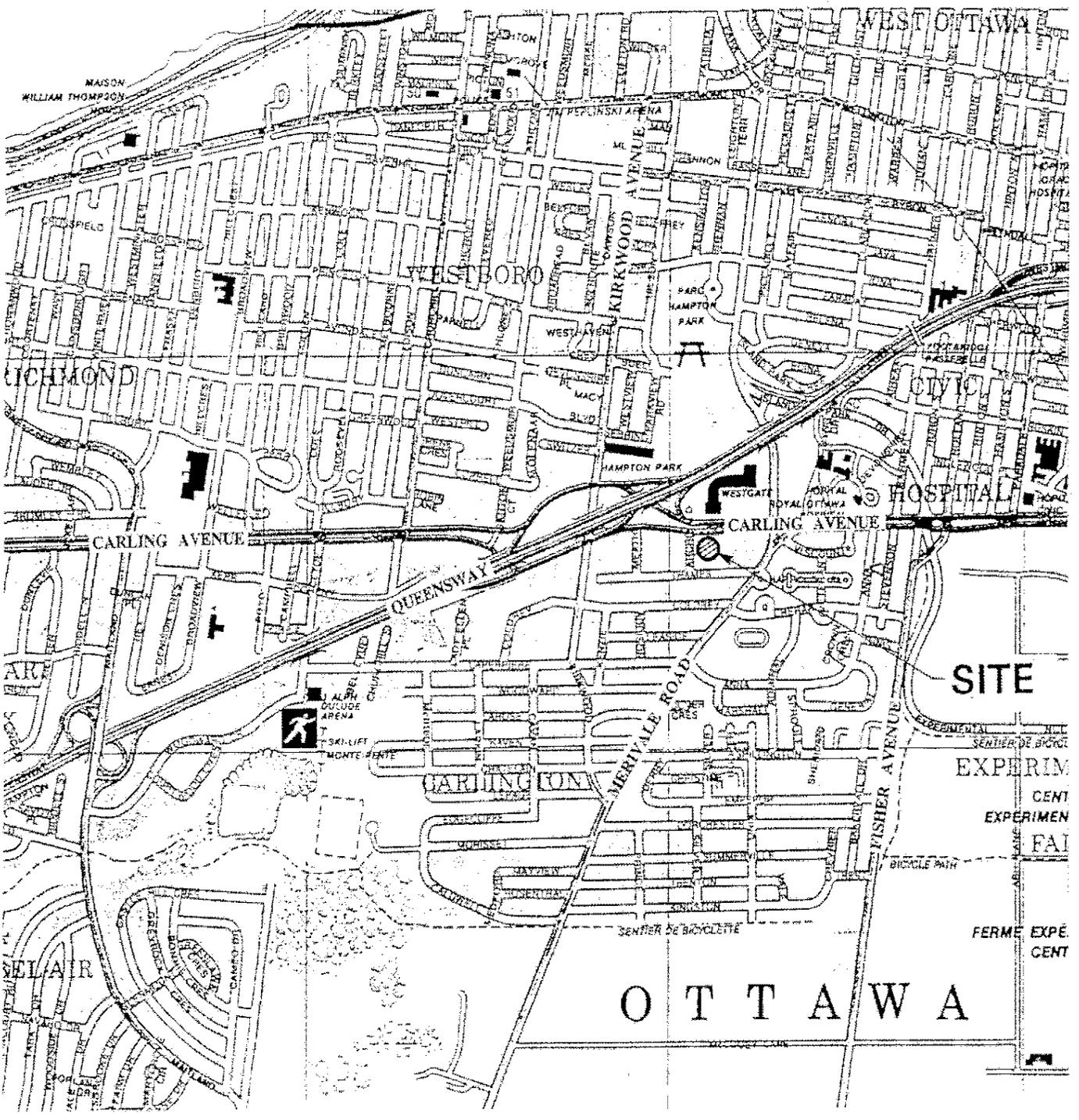

Gordon J. Kack, P.Eng.
Regional Vice President

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D:\REP3000\020494.T2

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FIGURES





KEY PLAN
SCALE 1:20 000

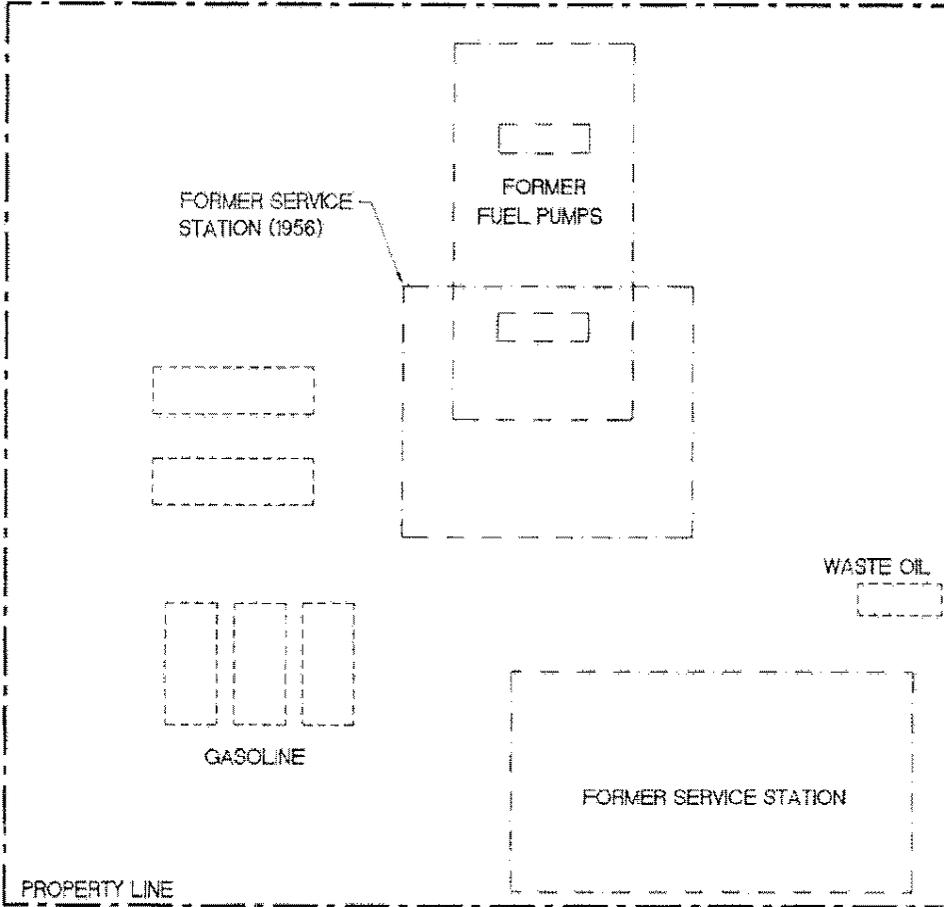




CARLING AVENUE

TRENCH EXCAVATION

ARCHIBALD STREET



LEGEND:	
	FORMER UNDERGROUND STORAGE TANK
	FORMER GASOLINE SERVICE STATION FACILITIES

AINLEY GRAHAM AND ASSOCIATES
ENVIRONMENTAL MONITORING - SEWER TRENCH EXCAVATION
1330 CARLING AVENUE - SITE PLAN
OTTAWA, ONTARIO

Scale :	Figure No:	
1 : 300	30494-2	
Date:	Dwn. By:	App'd:
95/06/28	GBB	

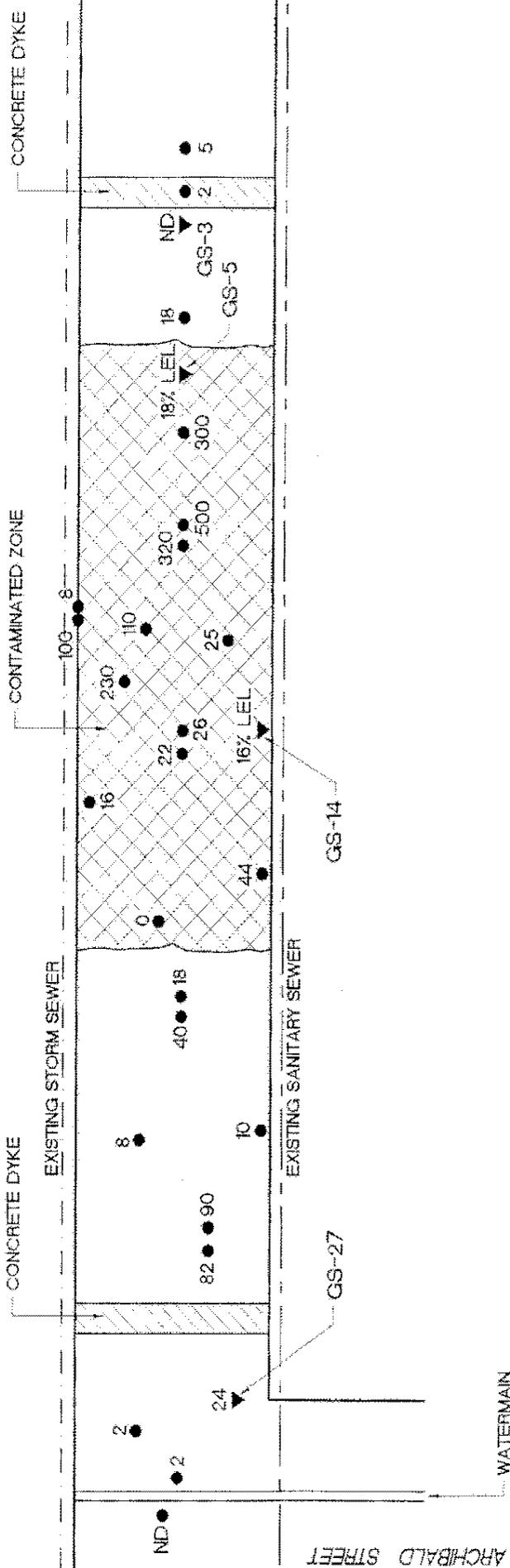


Jacques Whitford

000021



CARLING AVENUE

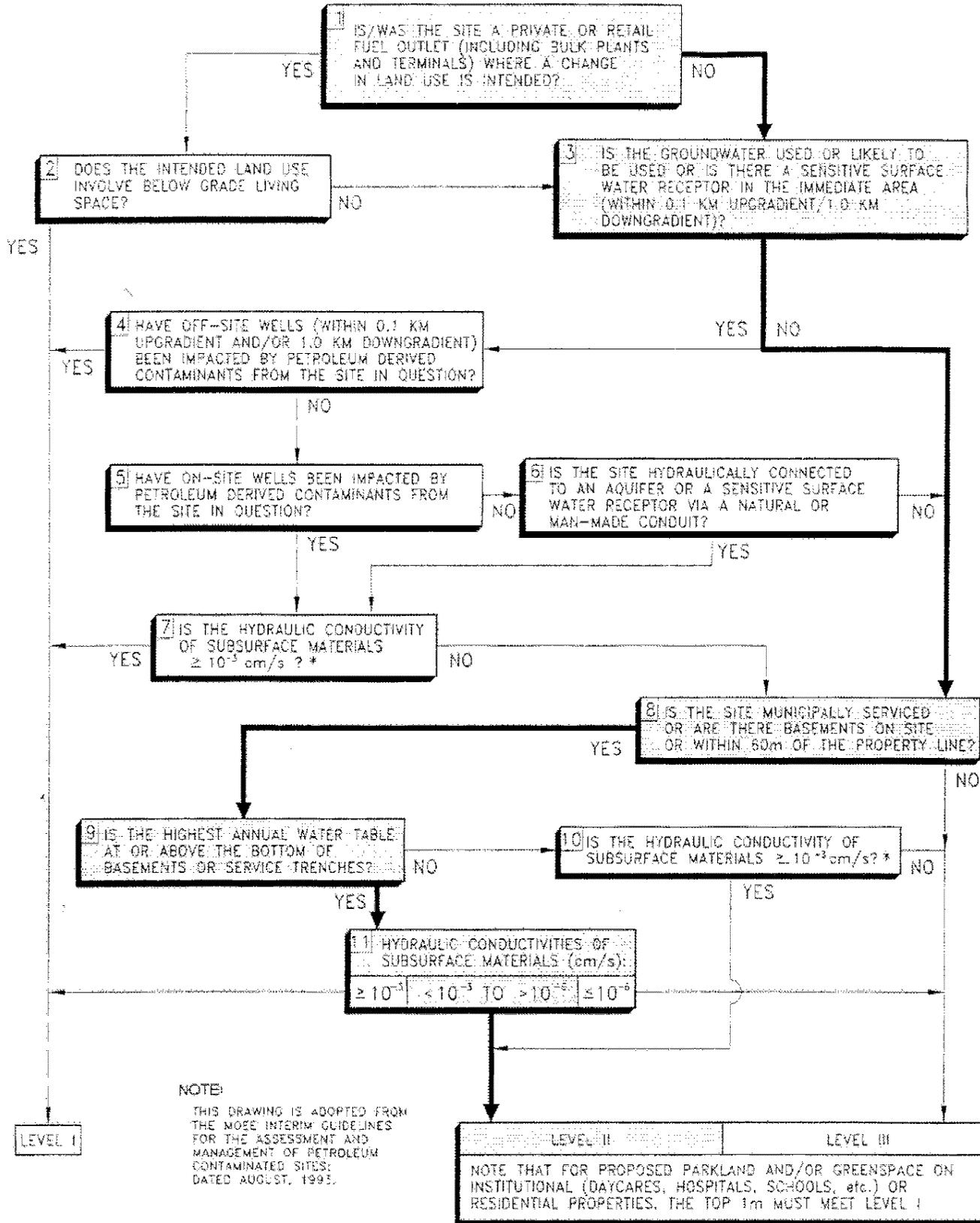


LEGEND:

- PETROLEUM HYDROCARBON VAPOUR CONCENTRATIONS IN PPM UNLESS OTHERWISE NOTED IN %LEL
- ▼ SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS
- ND NON DETECTABLE

AINLEY GRAHAM AND ASSOCIATES		Scale : 1 : 200	Figure No: 30494-3
ENVIRONMENTAL MONITORING - SEWER TRENCH EXCAVATION		Date: 95/06/28	Dwn. By: GBB
1330 CARLING AVENUE - SAMPLE LOCATION PLAN		App'd: <i>[Signature]</i>	
OTTAWA, ONTARIO		Jacques Whitford	





* NORMALLY, WHEN GREATER THAN 2/3 OF THE SUBSURFACE MATERIALS (FROM SURFACE TO WATER TABLE) ARE OF A PARTICULAR TYPE, THE SITE WILL BE CONSIDERED TO BE COMPOSED OF THAT TYPE OF MATERIAL. HOWEVER, CONSIDERATION SHOULD ALSO BE GIVEN TO CHOOSING THE MOST CONDUCTIVE SUBSURFACE MATERIAL AS THE REPRESENTATIVE CONDUCTIVITY WHEN, EVEN THOUGH IT MAKES UP LESS THAN 2/3 OF THE SUBSURFACE MATERIAL, IT MAY REPRESENT A SIGNIFICANT CONDUIT FOR THE MOVEMENT OF PHASE-SEPARATED LIQUID PRODUCT, IN DETERMINING CONDUCTIVITY. THE PREFERRED APPROACH WOULD BE IN-SITU TESTS OR GRAIN SIZE ANALYSES BUT ALSO ACCEPTABLE IS VISUAL CONFIRMATION USING TABLES (SEE APPENDIX B).

TABLES



Table 1
Soil Hydrocarbon Chemistry

Cave Creek Collector Upgrade, Ottawa, Ontario
JWEL Project No. 30494

Sample Location	Depth (m)	Date	BTEX Parameters (ng/kg or ppm)				Total Petroleum Hydrocarbons (TPH) (mg/kg)	Mineral Oil and Grease (MOG) (mg/kg)
			Benzene	Toluene	Ethyl Benzene	Xylenes		
GS3	2.0	95/05/12	nd	nd	nd	nd	43	nd
GS5	2.0	95/05/12	nd	nd	0.9	1.0	760	nd
GS14	2.5	95/05/15	nd	nd	0.2	1.5	391	100
GS27	2.5	95/05/16	nd	nd	nd	nd	nd	nd
MOEE Level II Criteria ₁			0.5	10.0	5.0	5.0	1000	5000

- Note: 1. Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites in Ontario, (MOEE, August 1993).
2. nd - not detectable





Ainley Graham and Associates Limited

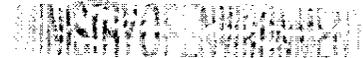
Consulting Engineers and Planners

2724 Fenton Road, Gloucester, Ontario K1G 3N3
Tel (613) 822-1052 • Fax (613) 822-1573

August 2, 1995

File: 94013-4

Ontario Ministry of the Environment and Energy
2435 Holly Lane
Ottawa, Ontario
K1V 7P2



Attn: **Bryan Dickman**
Senior Environmental Officer

AUG - 3 1995

Ref: **Cave Creek Collector Sewer Upgrade**
Contaminated Soils Investigations - Final Report
1330 Carling Avenue (old Shell Retail Outlet)

OTTAWA

Dear Mr. Dickman,

Enclosed, please find the final copy of the "Environmental Monitoring of Trench Excavation - RMOC Property Adjacent to 1330 Carling Avenue" report recently completed by the firm of Jacques Whitford Environment Limited. This report follows the monitoring program undertaken during the construction of the Cave Creek Collector Sewer on Carling by the RMOC.

This final copy should replace the draft copy sent to you on July 24, 1995.

We trust that you will find the report satisfactory.

Yours very truly,

AINLEY GRAHAM AND ASSOCIATES LIMITED

John D. Krug, P.Eng.
Director, Municipal Engineering

encl.

cc. Steve Forestell (RMOC)
Paul MacDonald (City of Ottawa)
David Ailles (City of Ottawa)



COLLINGWOOD

BARRIE



Recycled Paper

BELLEVILLE

OTTAWA



000026



**Jacques Whitford
Environment Limited**

Consulting Engineers
Environmental Scientists

2781 Lancaster Road
Suite 300
Ottawa, Ontario
Canada K1G 1A7

Tel: 613 738 0791
Fax: 613 738 0721

Environmental Impact Assessment
Environmental Engineering
Environmental Protection Planning
Hydrogeology
Air Quality
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Archaeology & Heritage Planning

Geotechnical Engineering
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Mining Engineering

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Charlottetown, PE
St. John's, NF
Corner Brook, NL
Hull, PQ
Ottawa, ON
Toronto, ON
Calgary, AB
Portland, ME
Mexico, DF
Moscow

August 1, 1995

Project No. 30494

Mr. John Krug
Ainley Graham and Associates Limited
2724 Fenton Road
Gloucester, Ontario K1G 3N3

Dear Mr. Krug:

Re: Environmental Monitoring of Trench Excavation
RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario

1.0 INTRODUCTION

Jacques Whitford Environment Limited (JWEL) was retained by Ainley Graham and Associates Limited to perform environmental monitoring activities during the excavation of the trench for the Cave Creek Collector sewer line at the above noted location in Ottawa (see Key Plan, Figure 30494-1).

The objective of the monitoring program was to identify petroleum hydrocarbon contaminated subsoils during trench excavation and segregate the soils for appropriate disposal prior to the installation of the proposed Cave Creek sanitary relief system. Monitoring of groundwater flowing into the trench and other associated environmental concerns was also undertaken.

The presence of contaminated soils in the area to be excavated was previously identified by JWEL in a Phase II Environmental Site Assessment (ESA) report dated December 16, 1994. As part of the Phase II ESA investigation, soil samples were collected from two boreholes drilled along the area to be excavated for sewer placement. Laboratory analysis of one of the soil samples detected concentrations of ethylbenzene, xylenes, and total petroleum hydrocarbons in excess of the applicable Ontario Ministry of the Environment and Energy (MOEE) Level II soil remediation criteria. Concentrations of these parameters were detected in the soil sample at levels 2 to 18 greater than times the concentrations specified by the criteria.



Mr. J. Krug
Page 2
August 1, 1995

The subject site is adjacent to a gravel covered, vacant lot located at the southeast corner of Carling Ave. and Archibald St. (see Figure 30494-2). Land use to the north of this vacant lot is the Carling Avenue Queensway ramps and the Westgate Shopping Mall; to the south is residential; to the east is commercial (Salvation Army) and to the west is a commercial (hotel and parking garage).

The scope of work for the environmental monitoring included the following:

- Sampling of soils excavated from the sewer trench;
- Segregation and disposal of contaminated soils;
- Laboratory analysis soil samples; and
- Report preparation.

While on site JWEL personnel also monitored groundwater inflow into the excavated trench. Based on data reported by JWEL in the Phase II Environmental ESA report, the flow of contaminated groundwater into the excavation was not expected to be a concern based on local soil conditions and the depth to the groundwater table. Laboratory analysis of groundwater was not within the scope of the environmental monitoring work.

2.0 METHODOLOGY

2.1 Environmental Monitoring

On May 12, 15, and 16, 1995, JWEL personnel were on site to monitor the trench excavation being conducted for the placement of the Cave Creek Collector sewer line. The section of trench excavated is shown on Figure No. 30494-2. The trench was approximately 3.2 m wide and had a depth of 4.0 m below ground surface.

The criteria for excavation was to remove petroleum hydrocarbon contaminated subsoils encountered within the excavated trench. As a practical method of identifying hydrocarbon contaminated subsoils during excavation, a field excavation criteria of petroleum odours and/or petroleum staining was adopted. A Tracetehtor portable hydrocarbon surveyor, calibrated to hexane, was used to analyse petroleum hydrocarbon derived vapour concentrations in field samples.

Mr. J. Krug
Page 3
August 1, 1995

Soil was sampled from the bucket of the excavator. It was not possible to sample the excavation sidewalls due to the placement of a trench box within the excavation. JWEL logged the soil stratigraphy and structure and immediately placed the soil samples collected into tightly sealed, double plastic sample bags. Petroleum derived combustible vapour concentrations were measured in the soil sample headspace using the Tracetector. Samples were stored in a cooler with ice packs until delivery to the analytical laboratory.

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact.

Concrete dykes were installed by the contractor at approximately the east and west property lines of 1330 Carling Avenue (see Figure No. 30494-3). The dykes were installed to prevent any subsequent seepage of petroleum hydrocarbon contaminated groundwater from travelling along the pipe trench past the property boundaries.

2.2 Laboratory Testing

Laboratory testing parameters are determined based on contamination concerns arising from the historical and present land use of the subject site and surrounding properties. The vacant lot adjacent to the trench excavation was formerly a gasoline service station and therefore samples were analysed for petroleum hydrocarbons.

Soil samples GS3, GS5, GS14, and GS27 were analysed for Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) and Total Petroleum Hydrocarbons (TPH). The samples were chosen based on combustible vapour readings and their location along the trench. Samples GS3 and GS27 are representative of non-contaminated soil and were collected from areas before and after the section of contaminated soil, respectively. Sample GS5 was collected when hydrocarbon staining was first encountered and sample GS14 was selected from the approximate centre of the stained area.

Samples were submitted to Accutest Laboratories Ltd., of Nepean, Ontario.



3.0 RESULTS

3.1 Subsurface Conditions

The subsurface soil stratigraphy observed along the trench consisted generally of asphalt, concrete, sand and gravel fill, sand fill, grey silt and sand with cobbles, and silty clay. A detailed description of the local subsurface stratigraphy can be found in the Jacques Whitford Limited Geotechnical Investigation report prepared for Ainley Graham and Associates Limited in September 1994.

Petroleum derived combustible vapour concentrations in soil ranged from below the detection limit to 18% LEL. Measurements are noted on Figure 30494-3, Appendix 1.

During the trench excavation, 222 tonnes of soil were designated by JWEL to be hydrocarbon contaminated, based on field criteria. The zone of contamination is shown on figure 30494-3. This soil was removed from site and hauled to Laidlaw's Carp Road waste disposal facility.

3.2 Site Sensitivity

A Site Sensitivity Assessment (SSA), presented as Figure No. 30494-4, was conducted in accordance with the MOEE Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites (August 1993). Based on the available information the site was classified as a Level II or moderately sensitive site. The main reasons behind the classification are as follows:

- No land use change is intended;
- The ground water is not used as a potable water source;
- The site is municipally serviced;
- The water table is at or above the bottom of the service trenches; and
- The hydraulic conductivity of the soils is 10^{-5} cm/sec.

3.3 Soil Contamination

To evaluate issues related to the protection of human health and the environment, JWEL used environmental quality criteria for soil from the SSA, (Level II).

Table 1 presents the results of soil analyses and relevant remediation criteria. Significant concentrations of Total Petroleum Hydrocarbons were detected in soil samples GS5 and GS14, collected from the area where staining was observed. A low concentration of TPH was also detected in GS3. However, all other hydrocarbon parameters in GS3 and GS27, which were collected outside of the area observed to be contaminated, were not detectable.

The petroleum hydrocarbon impacted soils, identified by staining and hydrocarbon odour were noted to occur between approximately 1.5 to 3.0 metres below grade.

3.4 Groundwater

Groundwater that flowed into the excavated trench was monitored by JWEL personnel for visual or olfactory indications of petroleum hydrocarbon impact. Water observed in the trench resulted from groundwater inflow. Water was pumped from the trench into the newly constructed portion of the Cave Creek collector by the contractor. No groundwater contamination originating from the excavation work was observed.

Groundwater sampling and analysis was not within the scope of work for the environmental monitoring program and therefore no laboratory analysis was undertaken.

4.0 CONCLUSIONS

Based on the Environmental Monitoring Program carried out at the RMOC Property Adjacent to 1330 Carling Avenue, Ottawa, Ontario during the excavation of the Cave Creek sewer relief trench, the following conclusions are made:

Based on field excavation criteria, hydrocarbon impact in the sewer trench excavation was limited to a soil horizon from 1.5 m to 3.0 m below ground surface for a length of approximately 25 m along the trench.

A total of 222 tonnes of this soil (approximately 110 m³) was segregated by JWEL during excavation and disposed of at the Laidlaw disposal facility in Carp, Ontario



Mr. J. Krug
Page 6
August 1, 1995

Soil samples collected from the trench excavation were found by laboratory analysis to contain petroleum hydrocarbon concentrations below the MOEE Level II criteria.

No environmental impact associated with the inflow of contaminated groundwater into the excavated trench was observed.

Concrete dykes were installed in the pipe trench to the east and west of the impacted section of soil to prevent subsequent seepage of hydrocarbon contaminated groundwater from travelling along the pipe trench.

5.0 CLOSURE

The site characteristics and conclusions provided are based on information obtained on limited sampling carried out at the specific test locations. The results can only be extrapolated to an undefined area around the test locations.

The conclusions presented represent the best judgement of the assessor based on current environmental standards. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

Should additional information become available, JWEL requests that this information be brought to our attention so that we may re-assess the conclusions presented herein.

Yours truly,

JACQUES WHITFORD ENVIRONMENT LIMITED



Bruce D. Cochrane, B.Sc.
Project Manager



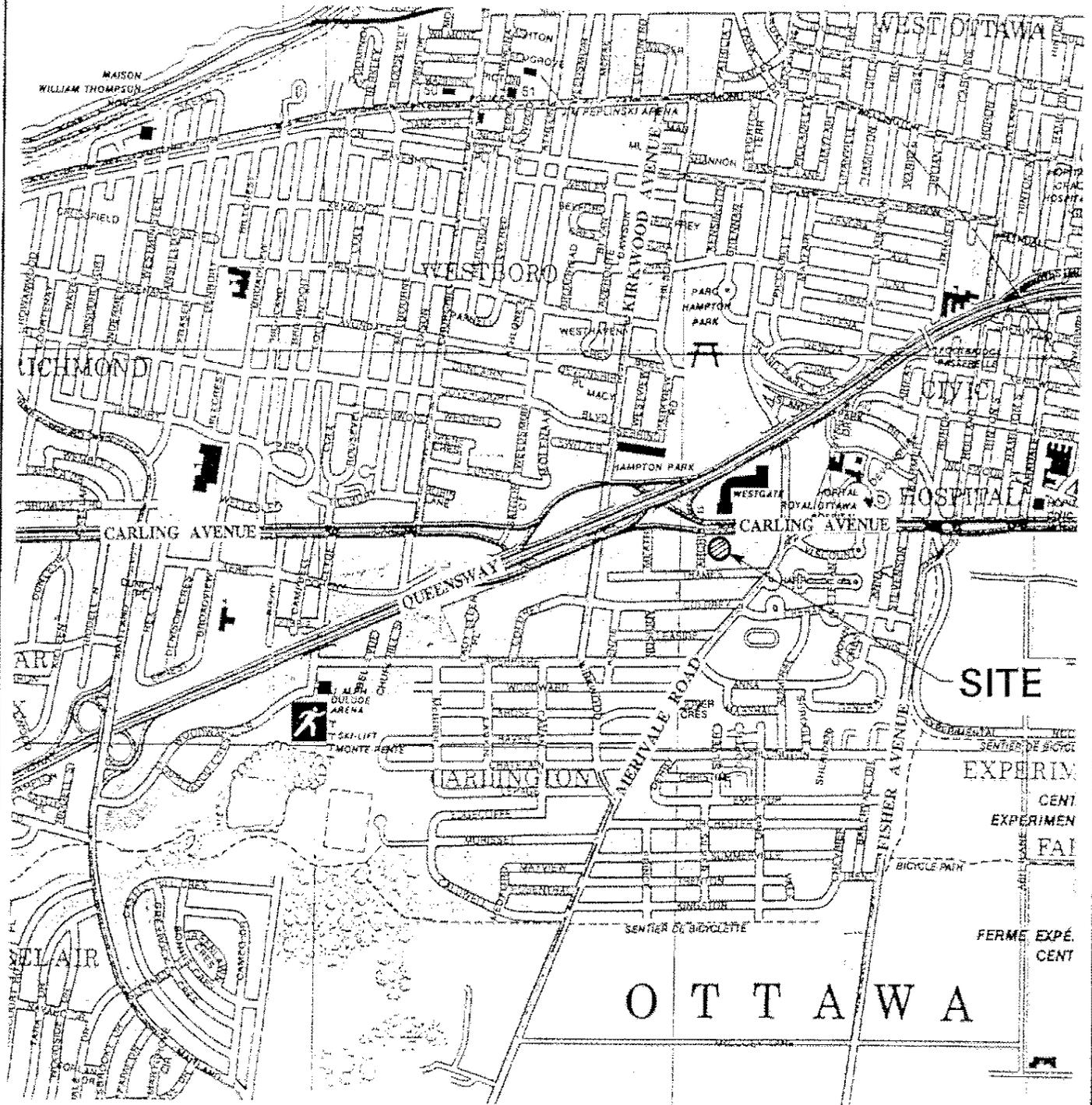
Gordon J. Kack, P.Eng.
Regional Vice President

Attachments

D:\REP30000\30494.CAW
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FIGURES





KEY PLAN
SCALE 1:20 000

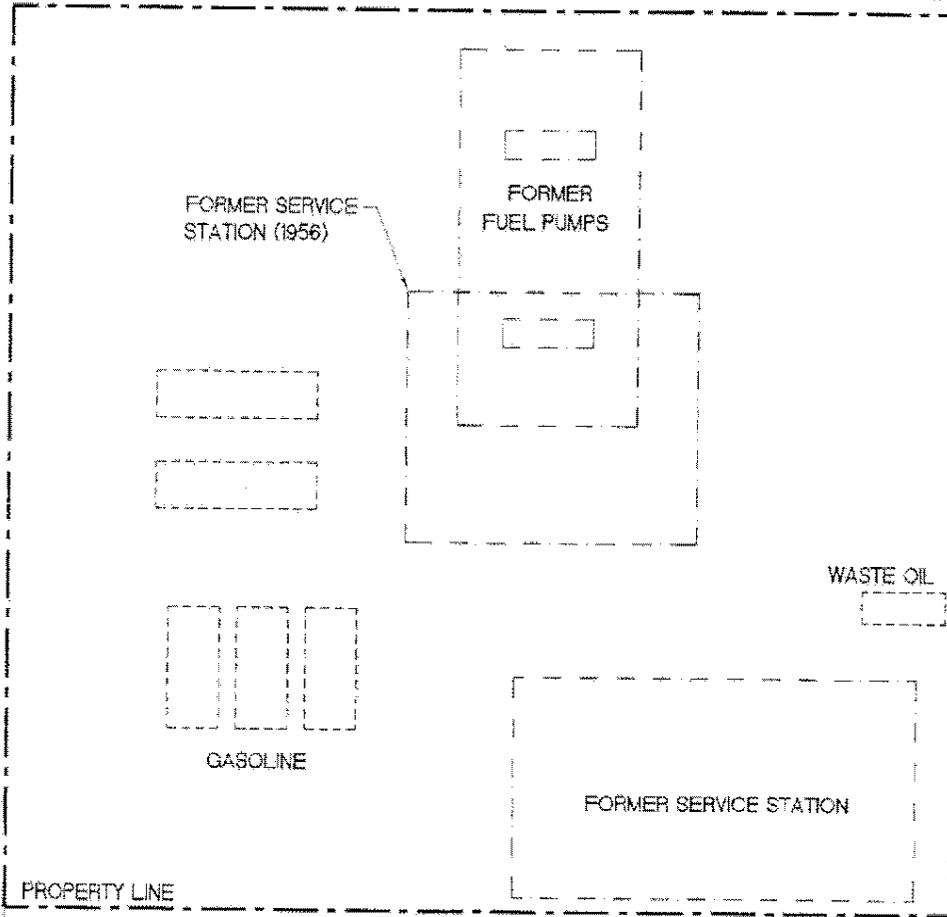




CARLING AVENUE

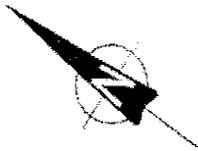
TRENCH EXCAVATION

ARCHIBALD STREET



LEGEND:	
	FORMER UNDERGROUND STORAGE TANK
	FORMER GASOLINE SERVICE STATION FACILITIES

AINLEY GRAHAM AND ASSOCIATES ENVIRONMENTAL MONITORING - SEWER TRENCH EXCAVATION 1330 CARLING AVENUE - SITE PLAN OTTAWA, ONTARIO	Scale:	Figure No.:	Jacques Whitford
	1 : 300	30494-2	
Date:	Dwn. By:	App'd:	
95/06/28	GBB	<i>[Signature]</i>	



CARLING AVENUE

CONCRETE DYKE

CONTAMINATED ZONE

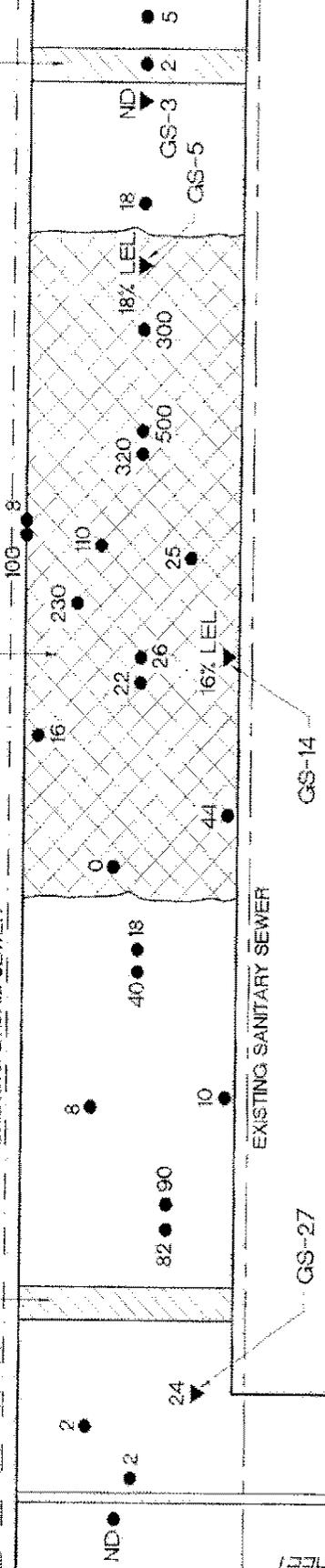
EXISTING STORM SEWER

CONCRETE DYKE

EXISTING SANITARY SEWER

ARCHIBALD STREET

WATERMAIN



LEGEND:

- PETROLEUM HYDROCARBON VAPOUR CONCENTRATIONS IN PPM UNLESS OTHERWISE NOTED IN 1/2LEL
- ▼ SOIL SAMPLE SUBMITTED FOR LABORATORY ANALYSIS
- ND NON DETECTABLE

AINLEY GRAHAM AND ASSOCIATES

ENVIRONMENTAL MONITORING - SEWER TRENCH EXCAVATION
1330 CARLING AVENUE - SAMPLE LOCATION PLAN
OTTAWA, ONTARIO

Scale: 1 : 200

Date: 95/06/28

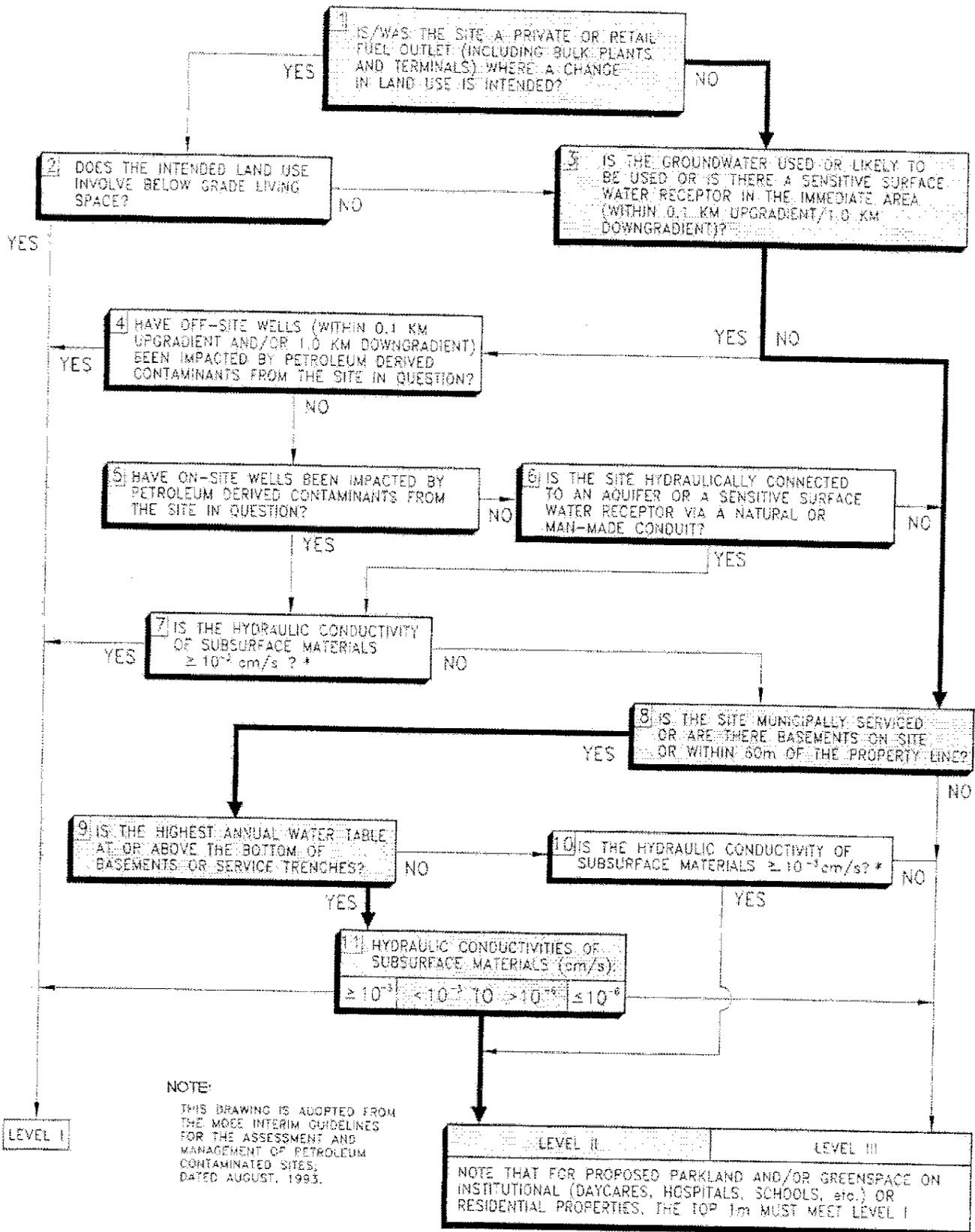
Dwn. By: GBB

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Figure No. 30494-3



Jacques Whifford



NOTE:
THIS DRAWING IS ADOPTED FROM THE MOEE INTERIM GUIDELINES FOR THE ASSESSMENT AND MANAGEMENT OF PETROLEUM CONTAMINATED SITES, DATED AUGUST, 1993.

* NORMALLY, WHEN GREATER THAN 2/3 OF THE SUBSURFACE MATERIALS (FROM SURFACE TO WATER TABLE) ARE OF A PARTICULAR TYPE, THE SITE WILL BE CONSIDERED TO BE COMPOSED OF THAT TYPE OF MATERIAL. HOWEVER, CONSIDERATION SHOULD ALSO BE GIVEN TO CHOOSING THE MOST CONDUCTIVE SUBSURFACE MATERIAL AS THE REPRESENTATIVE CONDUCTIVITY WHEN, EVEN THOUGH IT MAKES UP LESS THAN 2/3 OF THE SUBSURFACE MATERIAL, IT MAY REPRESENT A SIGNIFICANT CONDUIT FOR THE MOVEMENT OF PHASE-SEPARATED LIQUID PRODUCT. IN DETERMINING CONDUCTIVITY, THE PREFERRED APPROACH WOULD BE IN-SITU TESTS OR GRAIN SIZE ANALYSES BUT ALSO ACCEPTABLE IS VISUAL CONFIRMATION USING TABLES (SEE APPENDIX B).

TABLES





Table 1
Soil Hydrocarbon Chemistry

Cave Creek Collector Upgrade, Ottawa, Ontario
JWEL Project No. 30494

Sample Location	Depth (m)	Date	BTEX Parameters (mg/kg or ppm)				Total Petroleum Hydrocarbons (TPH) (mg/kg)	Mineral Oil and Grease (MOG) (mg/kg)
			Benzene	Toluene	Ethyl Benzene	Xylenes		
GS3	2.0	95/05/12	nd	nd	nd	nd	43	nd
GS5	2.0	95/05/12	nd	nd	0.9	1.0	760	nd
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GS27	2.5	95/05/16	nd	nd	nd	nd	nd	nd
MOEE Level II Criteria ₁			0.5	10.0	5.0	5.0	1000	5000

- Note: 1. Interim Guidelines for the Assessment and Management of Petroleum Contaminated Sites in Ontario, (MOEE, August 1993).
2. nd - not detectable





Ontario

Action Memo

Time 10:28 Date Year 11 22

To Bryan
From (Name and City) John King

TCM No.	Area Code	Telephone No.	Ext.	Message Taken By
		<u>922 1052</u>		<u>JK</u>
<input type="checkbox"/> Phoned On	<input checked="" type="checkbox"/> Please Call Returned	<input type="checkbox"/> Will Call Back	<input type="checkbox"/> Waiting in Person	<input type="checkbox"/> Will Return
<input type="checkbox"/> Held	<input type="checkbox"/> Your Call	<input type="checkbox"/> Wishes Appointment	<input type="checkbox"/> Was Here	

- | | | | |
|--|--|--|---|
| <input type="checkbox"/> File | <input type="checkbox"/> Draft Reply For My Signature | <input type="checkbox"/> Provide Memo Details | <input type="checkbox"/> For Your Information |
| <input type="checkbox"/> Type Draft | <input type="checkbox"/> For Your Approval and Signature | <input type="checkbox"/> Keep Me Informed | <input type="checkbox"/> Per Discussion |
| <input type="checkbox"/> Type Final | <input type="checkbox"/> Circulate Initial and Return | <input type="checkbox"/> Take Appropriate Action | <input type="checkbox"/> Per Your Request |
| <input type="checkbox"/> Make Copies | <input type="checkbox"/> Return With Comments | <input type="checkbox"/> Note and See Me | <input type="checkbox"/> Return With Thanks |
| <input type="checkbox"/> Please Answer | <input type="checkbox"/> Investigate and Report | <input type="checkbox"/> Note and Return | <input type="checkbox"/> |

Comments:

7540-1037 (Rev. 6/87)

Over



Ainley Graham and Associates Limited

FAX TRANSMITTAL

2724 Easton Road, Gloucester, Ontario K1G 3N3
Tel (613) 822-1052 • Fax (613) 822-1573

TEMPORARY ADDRESS - SUITE 100, 179 COLONNADE ROAD S., NEPEAN, ONTARIO K2E 7J4

To: Brian DICKMAN Company: MOEE Fax: 521-5437

From: John Krug Pages (including cover): 1 Date: 94-11-22
Ref: RAVEN BECK REPORT - SHELL STATION CLEANUP File: 94013-1

MESSAGE:

Could we please get a copy of the report on the clean-up of the Shell station at 1330 Carling Ave, and ~~all~~ any other documentation or comments you may have which could help us develop an appropriate approach to dealing with this problem.

I would be happy to come and pick up any info you could provide us.

Please contact myself or our Mr. GARRY PEARCE to discuss and/or coordinate.

Thank-you very much,

John D. Krug

s.N/R

1330 Carling (shed)

- what about groundwater?
- if petroleum product found in B14 why was it not considered "most heavily contaminated soils" + analysed for BTEX
- all assessments done during cold ^{cool} weather → ~~less~~ ~~likely to be found~~ could be reason why vapour levels low (ie. vapours increase in warmer weather)
- Figure 1 - where was heating oil tank located ~~that~~

page 4 - who owned + operated the vacuum truck that skimmed free product? (approved?)

- how did they arrived at 10% LEL clean-up criteria
- what about metals, solvents (chlorinated + non-chlor)
- under service bays (any floor drains, cracks etc. in bays prior to demolition

- get earlier reports
- 53 outside excavation zone?

write letter to shell, C.C. Dennis Lafleur, P. Eng
Intera.

2/22/02
10:12 AM
C.C. Dennis Lafleur
P. Eng



Ministry of Consumer and Commercial Relations
 Ministère de la Consommation et du Commerce
 Technical Division
 Standards des normes
 Division techniques
Fuels Safety Branch

3300 Bloor Street West
 Shipp Centre - West Tower
 Etobicoke, Ontario M8X 2X4
 3300, rue Bloor ouest
 Centre Shipp - Tour ouest
 Etobicoke (Ontario) M8X 2X4

Fax: 416/963-2018
 Tel: 416/234-6042

00517 SAE

October 30, 1992
 File: GA-25

MINISTRY OF ENVIRONMENT

NOV - 6 1992

Mr. Nick Vecchiarelli
 Shell Canada Products Limited
 1500 Don Mills Road
 North York, Ontario
 M3B 3K4

OTTAWA

Dear Mr. Vecchiarelli:

Subject: Former Shell Service Station
1330 Carling Avenue Ottawa

After a review of all the documents in the file and in particular the Raven Beck Environmental Ltd report dated May 15, 1992, it would appear that the site has been cleaned up to environmentally safe levels.

There are indications that there is some contamination offsite as mentioned in the report therefore Shell must satisfy the Ministry of the Environment for that area.

If in the future more contamination is found onsite further remediation may be required.

Yours truly,

George Perrow
 Special Project Assistant

cc: Mr. B. Dickman - Ministry of the Environment - Ottawa
 Mr. D. LaFleur - Intera Information Technologies
 (Canada) Ltd



October 1, 1992

2435 Holly Lane
Ottawa, Ontario
K1V 7P2
613/521-3450

2435, Holly Lane
Ottawa (Ontario)
K1V 7P2
613/521-3450

Mr. Nick Vecchiarelli
Senior Environmental Engineer
Shell Canada Products Limited
1500 Don Mills Road
North York, Ontario
M3B 3K4

Dear Mr. Vecchiarelli;

RE: CITY OF OTTAWA, 1330 CARLING, FORMER SHELL STATION

We have reviewed your response to our letter of August 19, 1992. You have answered the questions we had at that time to our satisfaction.

The methodology set down in the Southeast Region's Decommissioning Guideline was not followed. I am therefore unwilling to comment on a letter report based on a methodology other than our own.

We note that no off-site investigations were carried out and no groundwater testing was done.

Yours truly;

Bryan D. Dickman,
Senior Environmental Officer.

cc - Mr. Dennis Lafleur, P. Eng.
Manager, Environmental Division,
INTERA INFORMATION (CANADA) LTD.
2 Gurdwara Road, Suite 200,
Nepean, Ontario. K2E 1A2

0 05 17 346
Shell Canada Products Limited



MINISTRY OF ENVIRONMENT
Eastern Complex
1500 Don Mills Road
North York, Ontario M3B 3K4
Telephone (416) 441-3800
AUG 31 1992

August 27, 1992

Ministry of the Environment
Attention: Mr. Bryan Dickman
2435 Holly Lane
Ottawa, Ontario K1V 7P2

OTTAWA

Dear Mr. Dickman

**RE: DECOMMISSIONING OF SHELL RETAIL OUTLET
AT 1330 CARLING AVENUE, OTTAWA**

In response to your letter dated August 19, 1992 re subject site we offer the following:

Borehole BH4 was not analyzed for BTEX since it was clearly a zone of higher contamination which would be remediated by excavation.

The 10% LEL clean-up criteria serves as a field screening technique to allow us to meet the BTEX and TPH chemical and analysis criteria. As has been the case on this site and on others, a 10% LEL vapour level typically allows us to achieve clean-up levels well below our decommissioning guidelines.

It has been our experience that metals are typically found to be well below the Ontario Decommissioning Guideline and consequently we do not routinely test for metals, with the exception of lead. Solvents are readily identifiable by their distinct odour and accordingly were not tested since there was no evidence of their presence.

The vacuum truck was owned and operated by Triangle Pump Service Ltd. The skimming process was carried out for approximately a half hour.

The heating oil tank is shown on Figure 2 and is located immediately west of the former Shell Service Station.

Borehole S-3 is confirmed to be inside the excavated area.

While the initial assessments were done in winter, all nearby manholes and utility services were surveyed on May 7, 1992 as described in Section 6 of the May 15, 1992, Raven Beck Environmental Ltd. report. The maximum level of combustibles recorded at that time was 85 ppm.

We trust this information is adequate and would appreciate an expedient reply in light of a pending offer on this property.

Yours truly

Nick Vecchiarelli
Staff Environmental Engineer



0 05 17 SHE

August 19, 1992

2435 Holly Lane
Ottawa, Ontario
K1V 7P2
613-521-3450

2435, Holly Lane
Ottawa (Ontario)
K1V 7P2
613/521-3450

Mr. Nick Vecchiarelli
Senior Environmental Engineer
Shell Canada Products Limited
1500 Don Mills Road
North York, Ontario
M3B 3K4

Dear Mr. Vecchiarelli;

RE: CITY OF OTTAWA, 1330 CARLING, FORMER SHELL STATION

We have the following comments on the May 15, 1992 RAVEN BECK ENVIRONMENTAL LTD. report on the decommissioning of the above site.

The criteria used by the consultant is a combination of MENVEQ Level C guidelines, CCME Interim Remediation Guidelines and Ontario Decommissioning Guidelines for lead. The Ontario guidelines clearly state that mixing guidelines is not allowed. A brief comparison of the various guidelines are:

FOR SOILS

<u>Parameter</u>	<u>MENVEC 'C'</u>	<u>Ontario</u>	<u>MOE Southeast Region</u> <u>Alberta Level II MUST</u>	<u>Shell Guidelines</u>
Benzene	5	-	0.5	5
Ethylbenzene	50	-	5	50
Toluene	30	-	10	30
Xylenes	50	-	5	50
TPH	-	-	400	5000
Lead	600	750	-	750

Borehole BH4 was found to have free petroleum product. However only BH1, BH2, and BH3 were analyzed for BTEX and TPH. Why was BH4 not considered with "most heavily contaminated soils"?

We would like to know the rationale for the 10% LEL cleanup criteria.

We see that metals and solvents (chlorinated and non-chlorinated) were not tested for under the service bay areas. No mention is made of an inspection for floor drains, cracks, etc. in the service bays prior to demolition.

Who owned and operated the vacuum truck that skimmed the free product? How long was the skimming carried out?

Where was the heating tank located. It is not shown on Figure 1.

Borehole S-3 is reported with a 58% LEL reading. Figure 1 appears to indicate this borehole is outside the excavation area. Is this correct?

All assessments were done in the winter. Vapour pressures are obviously lower at that time of year. Has any testing been done in manholes or utility services in warmer weather?

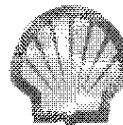
As you know, the Ministry is being asked to comment on the adequacy of site cleanup on most property transactions. The present report does not provide enough information for the Ministry to comment favourably to any prospective buyer of this property.

Yours truly;



Bryan D. Dickman,
Senior Environmental Officer.

bcc - Mr. Dennis Lafleur, P. Eng.
Manager, Environmental Division,
INTERA INFORMATION (CANADA) LTD.
2 Gurdwara Road, Suite 200,
Nepean, Ontario. K2E 1A2



Shell Canada Products Limited

Eastern Complex - Ontario Markets
1500 Don Mills Road
North York, Ontario M3B 3K4
Telephone (416) 441-3800

May 22, 1992

MINISTRY OF ENVIRONMENT

Ministry of the Environment
Attention: Mr. Brian Dickman
Sr. Environmental Officer
2435 Holly Lane
Ottawa, Ontario
K1V 7P2

MAY 25 1992

OTTAWA

Dear Mr. Dickman

**RE: DECOMMISSIONING OF SHELL RETAIL OUTLET AT
1330 CARLING AVENUE, OTTAWA**

Further to our telephone conversation, at which time I reported the possibility of off-site petroleum liquid migration at subject site, please find enclosed the consultant's environmental report for your perusal.

The report details the activity on-site beginning with the initial borehole assessment through till the facility decommissioning and excavation/disposal of contaminated soils. A total of 3265 tonnes were removed.

With respect to the off-site contamination, it was determined that a zone along the north wall of the excavation adjacent to Carling Avenue, exhibited only a minor amount of free product draining back into the excavation. Subsequent groundwater inflow from this area did not contain free product. Additionally, a combustible vapour survey of all utility manholes and catchbasins indicated no measurable impacts.

Based on the consultant's findings no further action is planned at this time.

If you have any questions or comments, please contact the writer at (416)441-3898.

Yours truly

Nick Vecchiarelli
Sr. Environmental Engineer
Safety & Environmental Affairs
Products Ontario

c.c. D.H. Molineux, MCCR

Enclosure

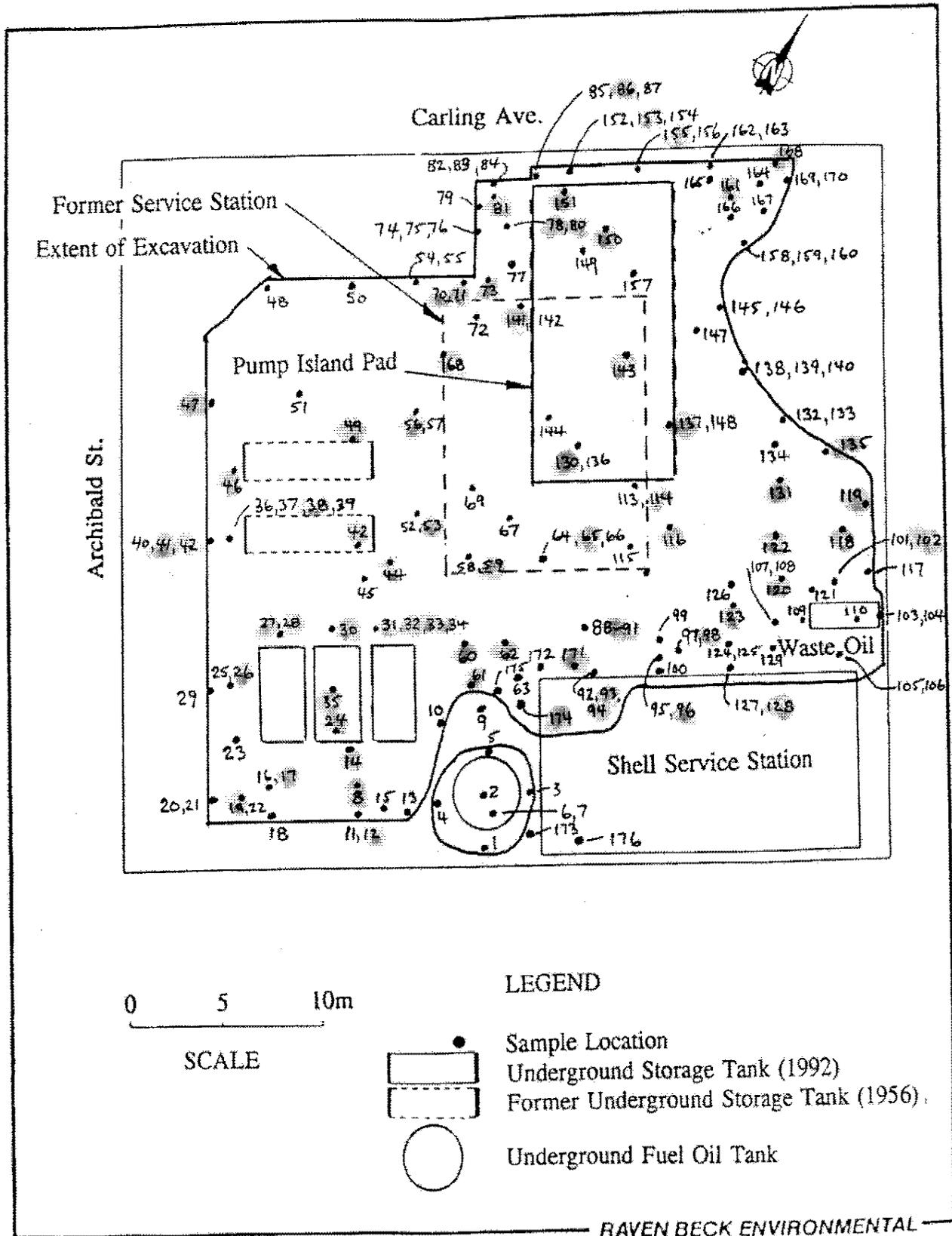


Figure 2 Extent of Excavation and Sampling Locations

RAVEN BECK ENVIRONMENTAL LTD.

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REF: 92-006

May 15, 1992

Shell Canada Products Ltd.
1500 Don Mills Road
Don Mills, Ontario
M3B 3K4

Attention: Nick Vecchiarelli

Dear Mr. Vecchiarelli:

RE: EXCAVATION AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL,
SHELL SERVICE STATION, 1330 CARLING AVENUE, OTTAWA, ONTARIO
(SHELL REF. SK-201)

This letter report summarizes the results of the excavation and disposal of petroleum contaminated soil from the Shell Service Station site located at 1330 Carling Avenue, Ottawa, Ontario. The purpose of this excavation was to remove petroleum contaminated soil from the site as part of a decommissioning of the service station being performed by Shell Canada Products Ltd.

1. BACKGROUND

Prior to site decommissioning, environmental assessments were conducted at the above referenced site by Raven Beck Environmental Ltd. (RBE) on November 29, 1991, January 7, 1992 and February 3, 1992. Results of these investigations were reported to Shell in letter reports dated December 12, 1991 and February 28, 1992.

During the initial assessment (November 28, 1991) five (5) boreholes (BH-1 to BH-5) were completed to depths ranging from 2.7 to 6.7 m below ground surface (Figure 1). Elevated combustible soil vapour levels were detected in all boreholes. Free petroleum product was detected in BH-4. The three (3) most heavily contaminated soils were selected for BTEX

and TPH analyses. Samples were selected from BH-1, BH-2 and BH-3 at depths of 1.5 to 2.1 m.

On January 7, 1992 a test pit was excavated in the vicinity of BH-4 to determine the source of the free product detected in November. Free product was found primarily in a layer of coarse fill and construction debris extending from approximately 1 to 2 m below ground surface. Floating product was observed flowing into the excavation from the west and north walls.

On February 3, 1992 a third investigation of the property was undertaken to provide better definition of the extent of contamination on-site. Nine (9) boreholes S-2 to S-10 were completed to depths ranging from 3.0 to 5.9 m at the locations shown in Figure 1. One (1) monitoring well was installed at S-2 due to the presence of free product and was used to determine the appearance and thickness of floating product. Product was sampled with a clear bailer. Product was oily, black to brown, almost opaque and had an odour of weathered gasoline. Minimum product thickness was determined to be 2 cm. No groundwater samples were collected. Maximum combustible vapour levels in boreholes were as follows:

S-2	65% LEL	S-7	120 ppm
S-3	58% LEL	S-8	225 ppm
S-4	10% LEL	S-9	320 ppm
S-5	225 ppm	S-10	10% LEL

Five (5) soil samples were selected from boreholes S-3, S-4, S-8, S-9 and S-10 for BTEX and TPH analyses.

Based on the results of all these studies it was concluded that there were zones of soil and groundwater contamination on-site. Hydrocarbon odours were detected in all boreholes except S-5 and S-8. On-site free product appeared to be contained in the more permeable fill in the area of the original two (2) underground storage tanks and in the vicinity of the northeast corner of the concrete pump island apron.

Prior to the commencement of site work RBE selected a composite soil sample from the most contaminated soils collected during the February 3 investigations. The sample was analyzed for leachate, quality criteria, TPH and flashpoint in order to obtain approval for landfill disposal. Results are appended.

2. UNDERGROUND TANK AND HYDRAULIC LIFT REMOVAL

Tank and hoist removal was completed by Triangle Pump Service Ltd. with excavation equipment provided by Ken Gordon Excavating Ltd. A total of five (5) underground tanks were excavated and removed from the site on April 20, 1992. These tasks consisted of three(3) 22,700 L (5,000 imperial gallon) fibreglass gasoline tanks, one (1) 4,540 L (1,000

imperial gallon) spherical fibreglass heating fuel oil tank and one (1) 4,540 L (1,000 imperial gallon) steel waste oil tank.

Prior to removal all the tanks were dry iced (solid CO₂) to remove petroleum vapours. All product from tanks had been removed previously by another contractor. The four (4) fibreglass tanks were removed to the Triangle Pump Service where they were pressure washed inside and out. Following cleaning these tanks were picked up by the manufacturer for refurbishing. The steel waste oil tank was perforated on-site to render it unusable and delivered to a scrap metal dealer.

All tanks were inspected by RBE staff after removal from the ground. All tanks appeared to be in fair to good condition with no visible evidence of leakage. However, there was a strong hydrocarbon odour and a sheen and blebs of floating free product on the water table during removal of the three (3) gasoline storage tanks.

Two (2) hydraulic lifts located in the central and west service bays of the garage were excavated and removed on May 1, 1992. Prior to removal all oil was pumped from the lifts. The lifts were removed from the site to a scrap metal dealer.

3. SITE EXCAVATION AND SERVICE STATION DEMOLITION

Site excavation was performed from April 21 to 24 and on May 5, 1992 by Triangle Pump Service Ltd. and Ken Gordon Excavating Ltd. All excavation was completed with a large, track mounted, hydraulic shovel.

Excavated surface asphalt was transported to the Beaver Construction Ltd. site on Rideau Road for recycling. Surface concrete (pump island pad, etc.) was transported to the Pyper Sand and Gravel Ltd. site in Greely, Ontario. Excavated contaminated soil was transported to the Laidlaw landfill site on the Carp Road west of Ottawa. All hauling of materials off-site was done with dumptrucks owned by Triangle (MOE #A-860231) or Pyper (MOE #A-860282).

All on-site soil with measured headspace combustible vapour levels greater than 10% LEL was disposed of to the Laidlaw landfill. Headspace combustible vapour levels were measured using a Gastechtor Model 1238 combustible gas indicator (CGI) calibrated with 440 ppm and 48% LEL hexane. Selected soil samples were tested with and without a charcoal filter to identify methane contributions to combustible vapour readings. Methane was not found to be a significant component of the measured combustible vapours.

Following removal of the underground tanks, contaminated soil was excavated and removed from the site from April 21 to 24, 1992. On-site soils were typically sand and clay fill overlying native grey clay which was underlain by a cobbly, clay rich grey till. A substantial portion of the site was excavated as shown in Figure 2. The location of some site features, such as the pump island pad and the former service station, have been moved in comparison to

Figure 1 based on observations during site excavation. In general the depth of excavation ranged from 1.5 to 3.5 m below ground surface. During excavation, extensive sampling of soil from the floor, walls and central portions of the excavation was performed to define the levels of petroleum product contamination and determine the amount of soil requiring landfill disposal. One hundred and seventy-six (176) samples were collected, inspected and screened for head space combustible vapour concentrations. Table 1 is a summary of sample number, depth, relative location, composition, colour, olfactory description and combustible vapour concentration. Sample locations are shown on Figure 2. In certain portions of the site small amounts of free product accumulated on the water table during soil excavation. Accumulated free product was skimmed from the excavation into a vacuum truck. A total of 600 L was vacuumed. Samples collected from the walls and floors of the excavation indicated that clean-up levels had been achieved in most areas. The excavation was then backfilled with a medium-grained sand imported to the site and compacted in place with the shovel.

In addition to the accessible zones of contamination encountered during site excavation, a zone of inaccessible petroleum contamination (> 10% LEL) was also identified adjacent to and underneath the north central portion of the service station foundation. In order to remove this contaminated soil it was necessary to first demolish and remove the service station building. After obtaining the necessary permits, the above-grade portion of the service station was demolished on May 1. The two (2) hydraulic lifts were also removed from the service bays at this time. Demolition was completed by Ken Gordon Excavating and construction debris was transported to the Hunneault Landfill site in Navan by Pyper dump trucks.

Below-grade demolition of the building foundation was completed on May 5. RBE staff supervised the excavation and removal of the foundation. Contaminated soils (> 10% LEL) adjacent to and under the former building were excavated and removed for disposal at the Laidlaw landfill. The extent of soil contamination was not extensive. Approximately 76 tonnes of soil were removed from beneath the north central and northwest portions of the building and adjacent to the northwest corner of the building. Test pits were also excavated in the vicinity of the former hydraulic lifts. No evidence of contamination was found. Concrete from the foundation was transported to the Pyper sand and gravel site in Greely for disposal. Following removal of the foundation the area was backfilled with sand and compacted. The entire site was covered with approximately 0.20 m of crushed limestone gravel and leveled. Access to the site was restricted by the placement of concrete curb stops along Archibald Street and Carling Avenue.

A total of 3265 tonnes of petroleum contaminated soils were removed from the site between April 21 and May 5, 1992. Contaminated soil was disposed of at the Laidlaw landfill west of Ottawa.

4. PETROLEUM HYDROCARBON PRESENCE

Petroleum hydrocarbons were found in several areas throughout the site during excavation. In general, contamination was characterized by strong hydrocarbon odours, some black soil staining and a hydrocarbon sheen on groundwater and was encountered in the vicinity of the recently excavated gasoline tanks, the former (1956) gasoline tanks and the waste oil tank. Some free product was also encountered in the vicinity of the former gasoline tanks and the northeast corner of the pump island pad. As indicated previously, free product and petroleum sheen that accumulated on the water table during site excavation was skimmed to a vacuum truck for disposal.

5. QUALITY OF REMNANT SOIL

The results of visual and olfactory inspection and headspace combustible vapour measurements are listed in Table 1. The table also indicates whether the sample was collected from the wall, floor or centre (within) the excavation. These data show that all floor and wall samples (with the exception of samples #41 and #168 discussed below) were below Shell's Decommissioning Guidelines for commercial/industrial future land use based on Gastehtor analysis of maximum combustible vapour level of less than 10% LEL. All soils within the excavation (centre) having Gastehtor values greater than 10% LEL were excavated and removed for landfill disposal. Those soils within the excavation with values less than 10% were used as backfill in the excavation.

Three soil samples were submitted to Paracel Laboratories of Ottawa on April 28, 1992 for BTEX, lead, and TPH analysis. Table 2 presents quantitative BTEX and lead concentrations for remnant soil (sample numbers 41 (wall), 69 (floor), 148 (floor)). All three samples fall well below Shell's Decommissioning Guidelines for Commercial/Industrial future land use for BTEX compounds and lead.

Table 3 presents TPH values for the aforementioned floor soil samples and shows their relative distribution as percent light, middle and heavy distillates. Again all three soil samples are well below Shell's Decommissioning Guidelines for Commercial/Industrial future land use for TPH.

There were two areas where soil was excavated to the property line and soil contamination appeared to extend beyond the property boundary. One area was on the west side of the property along Archibald Street. Soil sample number 41 was collected from the excavation wall at the property line in this area. While headspace combustible vapours for this sample were 30% LEL, analytical results indicate that the soil meets Shell's Decommissioning Guidelines. No free product was encountered in this area.

The second area was at the north boundary of the property in the vicinity of sample numbers 86 and 168. Sample number 168 was collected from just above a coarse brick fill layer that extended for approximately 6 m along the Carling Avenue excavation wall at a depth of

approximately 1.5 m. Combustible vapour levels for both samples were 18% and 20% LEL respectively. Groundwater that initially drained into the excavation from the fill layer on the north wall contained a minor amount of free product and sheen. Subsequent groundwater inflow from this area did not contain free product or sheen. Accumulated product and sheen was skimmed from the excavation prior to backfilling.

6. UNDERGROUND UTILITIES COMBUSTIBLE VAPOUR SURVEY

A survey of all manholes and catchbasins in the vicinity of the site was performed on May 7, 1992. The survey was completed to assess potential off-site impact to underground utilities from the two zones of remnant contamination noted in Section 5. The survey was conducted with a Gastech 1238 Hydrocarbon Surveyor (CGI) calibrated to a hexane standard. Readings were taken by inserting the instrument probe into each manhole or catchbasin and monitoring the readings for 2-3 minutes. In each case the maximum reading was recorded. Figure 3 is a utilities plan for the area showing the maximum CGI readings for each manhole or catchbasin. All readings in nearby manholes and catchbasins were less than 85 ppm and indicate no apparent migration of combustible vapours to any of the utility lines adjacent to the site. The commercial building to the east of the site has no basement.

7. SUMMARY

A total of 3265 tonnes of contaminated soil were removed from the 1330 Carling Avenue, Ottawa Shell service station and disposed of at the Laidlaw landfill west of Ottawa. The existing service station building and foundation were demolished and removed. All hydrocarbon contaminated soil on-site with a Gastechtor reading greater than 10% LEL was removed. The site was backfilled with sand and surfaced with gravel.

Some hydrocarbon contaminated soil was observed extending beyond the property boundary at two points on the west and north sides. Since this site is in an urban area with no groundwater use and no surface water receptors nearby the only potential human health or environment impacts would be from migration of vapours to nearby underground utilities. A combustible vapour survey of all utility manholes and catchbasins in the area was completed. This survey indicated no measurable impacts.

8. DISCLAIMER

Every effort has been made to ensure that the information contained in this letter report is accurate. RAVEN BECK ENVIRONMENTAL LTD. has exercised professional judgement in collecting and analyzing the information and in formulating recommendations based on the results of the study. The mandate at RAVEN BECK ENVIRONMENTAL LTD. is to perform the given tasks within the guidelines prescribed by the client and with the quality and due diligence expected within the profession. No other warranty or representation, expressed or implied, as to the accuracy of the information or recommendations is included or intended in this report. RAVEN BECK ENVIRONMENTAL LTD. hereby disclaims any liability or

responsibility to any person or party for any loss, damage, expense, fine or penalty which may arise or result from the use of any information or recommendation contained in this report.

We trust that this report fulfils your requirements at the present time. Should you have any questions or comments, please do not hesitate to contact us.

Yours very truly,



R. Austin Sweezey
Senior Hydrogeologist, Ottawa

RAS:ljb
Encl.

Table 1 Soil Sample Identifications

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
1	1.5	W	silty till	grey	moderate	175
2	2.5	F	silty till	grey	slight	128
3	1.5	W	silty till	green	moderate	220
4	1.5	W	clay	green	moderate	400
5	1.5	W	clay	green	moderate	6% LEL
6	2.5	C	clay/gravel	green	moderate	130
7	1.5	C	clay/gravel	green	slight	175
8	1.5	C	gravel	brown	strong	28% LEL
9	1.0	C	gravel	brown	slight	20
10	1.5	W	gravel/clay	brown	slight	30
11	1.0	W	sand	grey	slight	100
12	2.5	W	clay till	green	strong	6% LEL
13	1.5	W	clay till	green	slight	200
14	2.0	C	gravel	brown	strong	15% LEL
15	3.0	F	till/gravel	brown	moderate	250
16	1.0	C	gravel	brown	moderate	250
17	2.5	C	gravel	brown	strong	12% LEL
18	2.0	W	clay	green	slight	120
19	2.5	C	clay	green	strong	10% LEL
20	1.5	W	clay	green	slight	120
21	2.5	W	clay	green	moderate	350
22	3.0	W	gravel	brown	moderate	290
23	3.0	F	gravel	brown	moderate	310
24	2.5	C	gravel	brown	strong	11% LEL

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
25	1.5	W	clay	green	slight	260
26	2.5	C	clay till	green	strong	12% LEL
27	2.0	F	clay	grey	strong	5% LEL
28	2.5	C	clay till	grey	strong	38% LEL
29	2.5	W	silty till	brown	none	10
30	1.5	W	sand/clay	black	strong	5% LEL
31	1.5	C	sand/clay	black	strong	12% LEL
32	2.0	C	clay	grey	v. strong	> 100%LEL
33	3.0	C	sandy till	grey	strong	20% LEL
34	3.5	F	till	grey	none	75
35	2.5	W	gravel	brown	strong	10% LEL
36	1.0	C	clay	black	moderate	310
37	1.5	C	clay	grey	moderate	120
38	2.0	C	clay	grey	strong	20% LEL
39	3.0	F	silty till	grey	none	20
40	1.0	W	clay	brown	slight	225
41	2.0	W	clay	grey	strong	30% LEL
42	3.0	W	silty till	grey	moderate	300
43	2.0	C	sandy till	black	strong	58% LEL
44	2.5	C	sandy till	black	strong	45% LEL
45	3.0	F	clay till	grey	slight	100
46	2.0	C	silty clay	grey	strong	35% LEL
47	1.5	C	clay	grey	strong	17% LEL
48	3.0	W/F	sandy till	grey	slight	75
49	2.5	C	sand/gravel	black	strong	48% LEL
50	1.0	W	sandy till	brown	moderate	375

	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
51	3.0	F	till	grey	none	40
52	1.0	W	clay	grey with black stain	moderate	215
53	2.0	C	till	grey	strong	18% LEL
54	2.5	W	clay	grey	moderate	400
55	1.5	W	clay	grey	moderate	400
56	2.5	C	clay till	grey	strong	10% LEL
57	1.5	C	clay	grey	moderate	275
58	1.0	C	gravel	brown	none	75
59	2.0	C	clay	grey	strong	24% LEL
60	2.0	C	clay	grey	strong	30% LEL
61	1.5	W	clay	grey	strong	10% LEL
62	1.5	C	gravel	grey	strong	> 100%LEL
63	1.0	W	clay	grey	slight	6% LEL
64	3.5	F	cobble till	grey	slight	120
65	2.0	C	sand	brown	strong	58% LEL
66	1.0	C	sand	brown	none	60
67	2.5	F	cobble till	grey	slight	175
68	2.0	C	clay	black	strong	95% LEL
69	2.5	F	clay	grey	moderate	420
70	2.0	W	clay	black	strong	7% LEL
71	3.0	F	till	grey	strong	10% LEL
72	1.0	C	sand/clay	brown	slight	130
73	2.0	C	clay	black	strong	78% LEL
74	1.0	W	silty clay	black	slight	325
75	2.0	W	clay	black	moderate	425

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
76	3.0	F	clay/till	grey	slight	300
77	0.5	C	clay	black	slight	75
78	1.5	C	clay	black	strong	42% LEL
79	2.0	W	silty clay	grey	moderate	300
80	2.5	C	clay	grey	strong	21% LEL
81	2.0	C	clay	grey	strong	21% LEL
82	1.0	W	clay	brown	none	25
83	2.0	W	clay	grey	none	25
84	3.0	W	till	grey	none	20
85	1.0	W	clay/topsoil	brown	none	25
86	2.0	W	clay	green	strong	18% LEL
87	3.0	F	cobble till	grey	none	20
88	1.0	C	sand/clay	brown	slight	120
89	1.5	C	clay	grey	v. strong	95% LEL
90	2.5	C	clay	grey	v. strong	> 100% LEL
91	3.5	F	clay till	grey	strong	6% LEL
92	1.0	W	clay	brown stain	none	30
93	2.0	W	clay	grey	strong	5% LEL
94	3.5	W/F	till	grey	strong	9% LEL
95	1.0	W	clay	grey	none	55
96	2.0	C	clay	grey	strong	20% LEL
97	1.0	C	clay	brown	slight	75
98	2.0	C	clay	grey	strong	5% LEL
99	2.5	F	cobble till	grey	slight	225
100	2.0	W	clay	grey	slight	125
101	1.0	W	sand	brown	none	60

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
102	2.0	C	clay	grey	strong	20% LEL
103	1.0	W	clay/sand	brown	none	80
104	2.0	W	clay	grey	slight	100
105	1.0	W	sand/clay	brown	none	60
106	2.0	W	clay	grey	slight	110
107	1.0	W	sand	brown	none	90
108	2.0	W	clay	grey	slight	105
109	2.5	F	sandy till	grey	none	95
110	2.5	F	till	grey	none	90
111	1.0	C	sand	brown	none	120
112	2.0	C	clay	grey	strong	> 100%LEL
113	1.0	W	sand	brown	slight	200
114	2.0	C	clay	grey	strong	> 100%LEL
115	2.5	F	sandy till	grey	slight	275
116	2.0	C	clay	grey	strong	> 100%LEL
117	2.0	W	clay	grey	none	75
118	2.0	C	clay	grey	strong	17% LEL
119	2.0	W	clay	grey	strong	10% LEL
120	2.0	C	clay	grey	strong	48% LEL
121	3.0	F	cobble till	grey	moderate	250
122	1.5	C	sand/clay	grey	strong	5% LEL
123	2.0	C	clay	grey	strong	24% LEL
124	1.0	W	clay/sand	brown	slight	300
125	2.0	W	clay	green	slight	200
126	2.5	F	till	grey	slight	100
127	1.0	W	sand/clay	brown	slight	110

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
128	2.0	C	clay	grey	strong	35% LEL
129	2.5	F	till	grey	slight	100
130	0.5	C	sand	brown	strong	40% LEL
131	2.0	C	clay	grey	v. strong	> 100%LEL
132	1.0	W	sand	brown	none	75
133	2.0	W	clay	grey	moderate	305
134	3.0	F	till	grey	slight	220
135	2.0	W	clay	grey	strong	5% LEL
136	3.5	F	cobble till	grey	slight	250
137	1.5	C	clay	grey	v. strong	> 100%LEL
138	1.5	W	clay/sand	brown	slight	340
139	2.5	W	sand	brown	slight	250
140	3.5	W/F	cobble till	grey	none	75
141	2.5	C	sand	brown	strong	46% LEL
142	3.5	F	till	grey	none	75
143	2.0	C	sand	brown	strong	> 100%LEL
144	3.5	F	till	grey	none	80
145	1.0	W	sand/clay	brown	none	90
146	2.0	W	clay	black	moderate	400
147	3.0	W/F	clay/till	grey	slight	120
148	3.0	F	till	grey	none	120
149	3.0	F	till	grey	slight	160
150	1.5	C	clay/sand	black	v. strong	> 100%LEL
151	2.0	C	clay	grey	strong	58% LEL
152	1.0	W	sand/clay	brown	slight	160
153	2.0	W	clay	grey	strong	10% LEL

Sample No.	Depth from Surface (m)	Location*	Soil Composition	Colour	Hydrocarbon Odour	CGI Reading**
154	3.0	W/F	till	grey	slight	160
155	2.0	W	clay	grey	strong	10% LEL
156	3.0	W/F	till	grey	slight	150
157	3.0	F	till	grey	none	60
158	1.0	W	clay/sand	brown	none	175
159	2.0	W	clay	grey	slight	220
160	3.0	W/F	till	grey	none	160
161	2.0	C	clay	black	strong	20% LEL
162	2.5	W	till	grey	moderate	250
163	1.5	W	clay	grey	slight	150
164	2.0	W	clay	grey	moderate	5% LEL
165	3.0	F	till	grey	none	120
166	3.0	F	till	grey	none	50
167	2.0	F	clay/sand	black	moderate	320
168	1.5	W	clay/sand	black	strong	20% LEL
169	1.0	W	silty clay	grey	moderate	475
170	1.5	W	clay		moderate	310
171	2.0	C	silty clay	grey	strong	14% LEL
172	1.5	F	silty clay	grey	slight	200
173	1.5	W	silty clay	grey	slight	150
174	1.5	C	silty clay	grey	strong	15% LEL
175	2.0	W	clay	grey	slight	100
176	2.0	W	silty clay	grey	moderate	300

* W = wall, F = floor, C = centre

** all values in ppm unless otherwise indicated

Table 2 Soil BTEX and Lead Analytical Results in $\mu\text{g/g}$

Analyte	MDL	Sample No.			Shell Guidelines Commercial/ Industrial*	Lab Blank
		41	69	148		
Benzene	0.025	ND	ND	0.250	5	ND
Ethylbenzene	0.025	0.096	ND	0.082	50	ND
Toluene	0.050	0.280	ND	0.086	30	ND
m/p-Xylene	0.050	1.10	ND	0.30	50	ND
o-Xylene	0.025	0.62	0.080	0.12	50	ND
Surrogate Recovery (%) toluene-d8	NA	100	98	96	NA	98
Lead	1	11	6	7	750	NA

Table 3 Soil TPH Analytical Results

Analyte	MDL	Sample No.			Shell Guidelines Commercial/ Industrial
		41	69	148	
TPH ($\mu\text{g/g}$)	20	250	ND	ND	5000**
Relative % Composition:					
a) light distillates (%)	NA	12	0	0	NA
b) middle distillates (%)	NA	88	0	0	NA
c) heavy distillates (%)	NA	0	0	0	NA

MDL = Normal Method Detection Limit

ND = Analyte not detected or found below detection limit

NA = Not applicable

* = Based on industrial/commercial land use using CCME Interim Remediation Guidelines for BTEX and Ontario Decommissioning Guidelines for lead (coarse textured soils)

** = based on Quebec C Guidelines

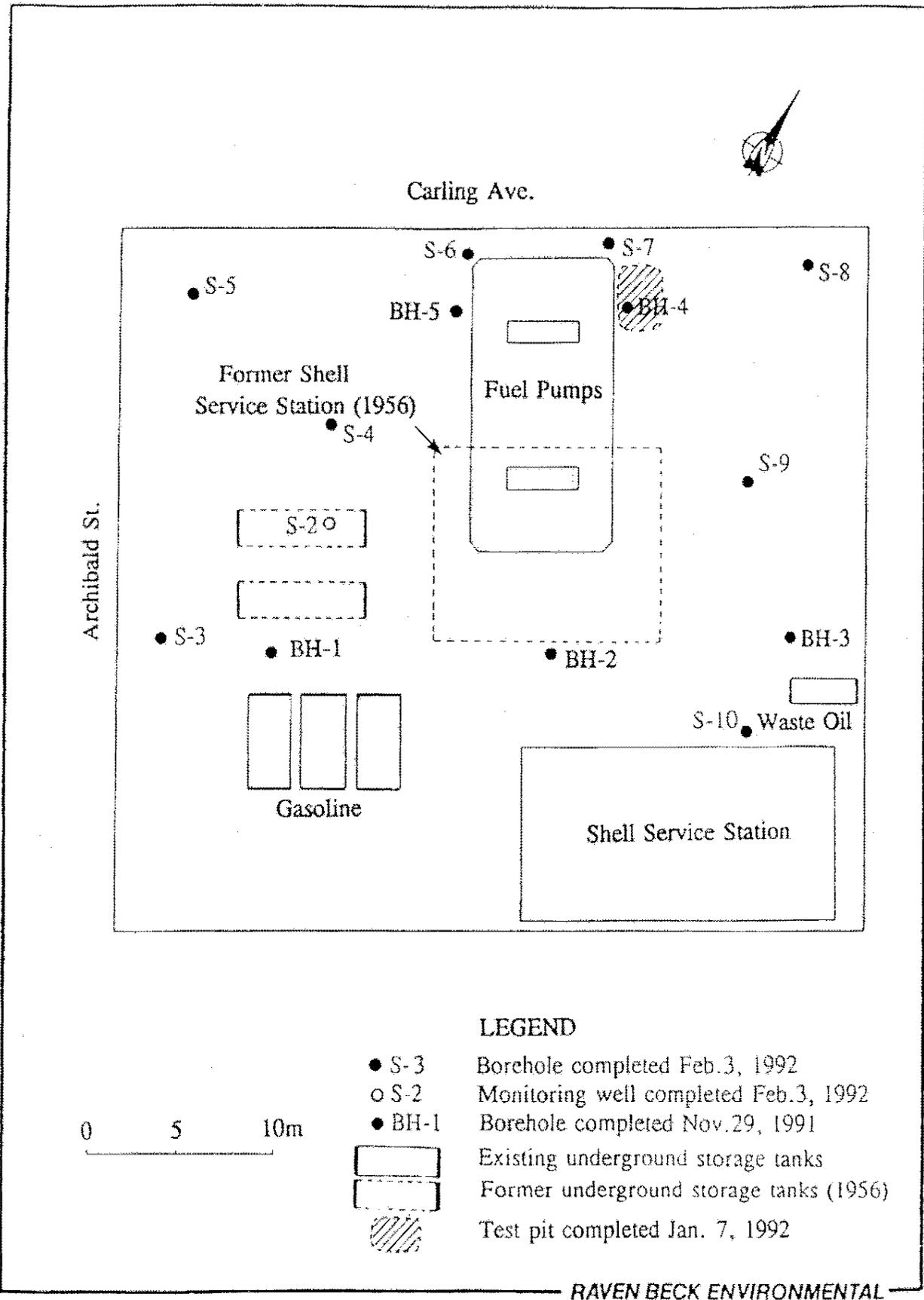


Figure 1 Site Plan of Shell Service Station, 1330 Carling Avenue

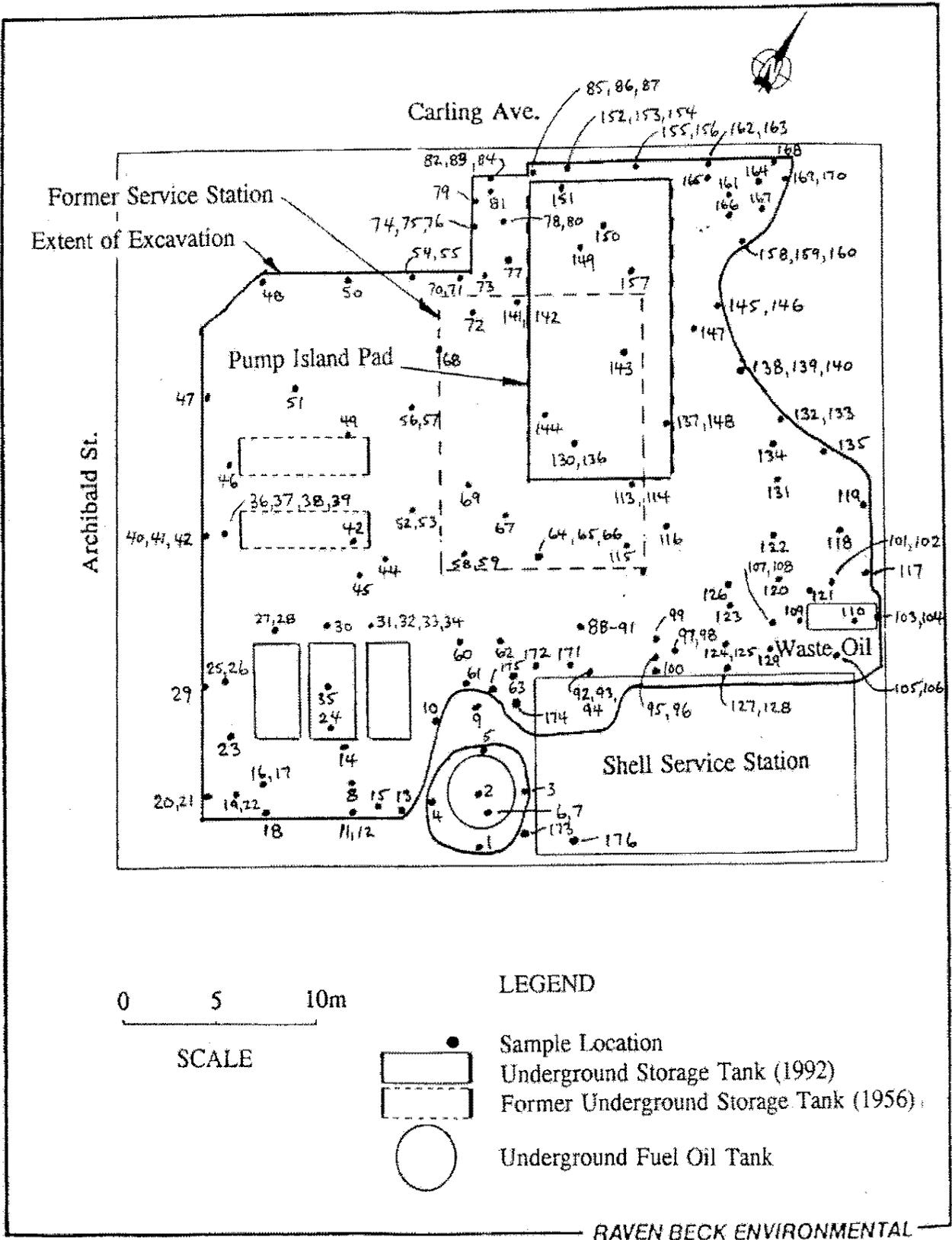
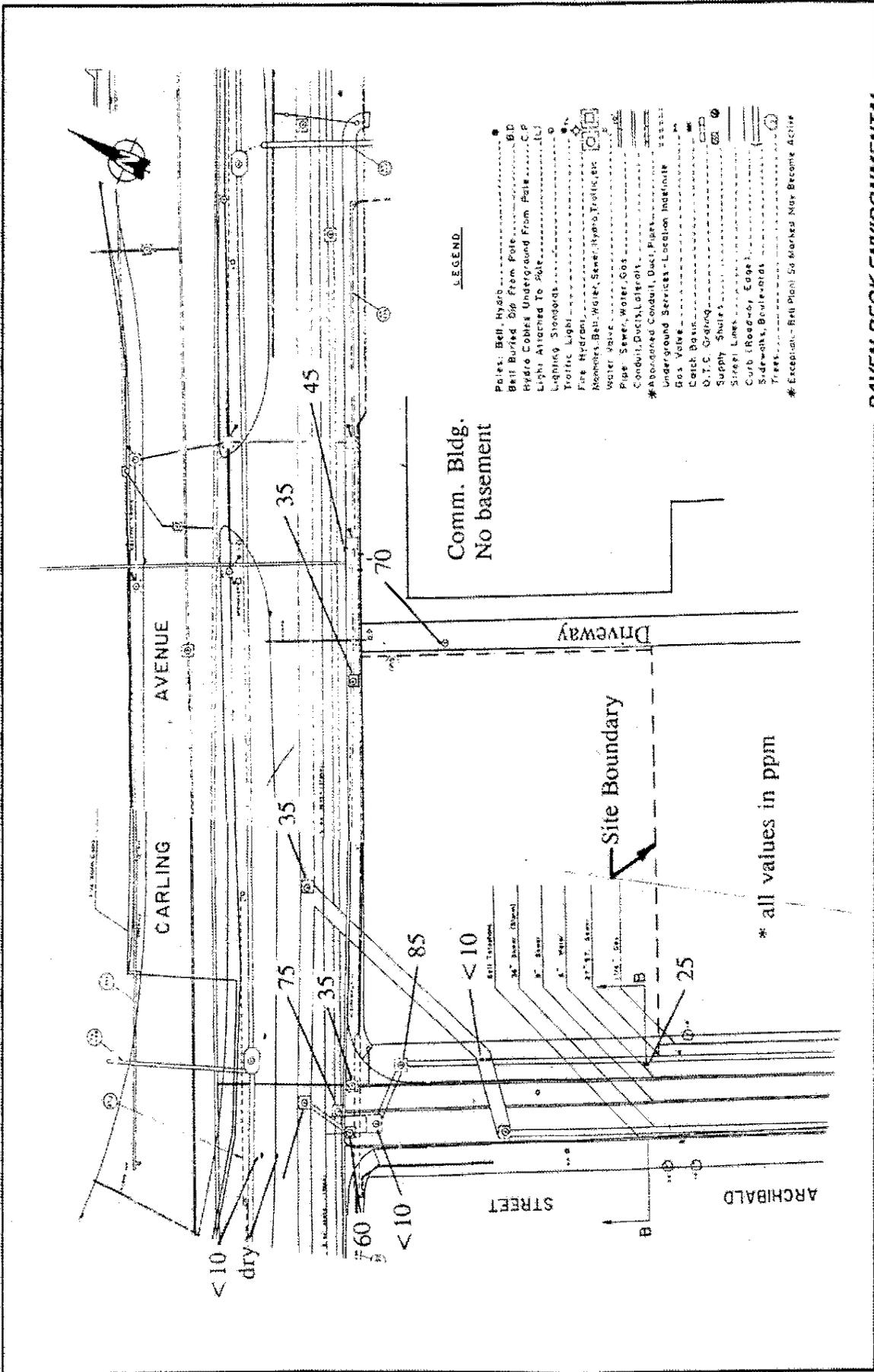


Figure 2 Extent of Excavation and Sampling Locations



RAVEN BECK ENVIRONMENTAL

Figure 3 Utilities plan showing vapour survey results

UTM 118 2 442260 E

9 R 50315700 N

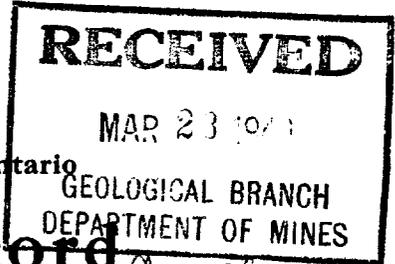
Elev. 9 R 0250

Basin 25



ASE 306

15 No 3974



The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

OF 1433

County or District Carleton ^{OTTAWA} To Acacia ^{City of Ottawa} Con. 10 E Lot 33 Pt. Lot 1

Acres 1.13
including pump)

Pipe and Casing Record

Pumping Test

Casing diameter(s) <u>4"</u>	Date
Length(s) of casing(s) <u>20' feet</u>	Developed Capacity
Length of screen	Duration of Test <u>1 hr</u>
Type of screen	Pumping Rate <u>400 gals a hr</u>
Type of pump	Drawdown <u>6"</u>
Capacity of pump	Static level of completed well <u>1 foot from top</u>
Depth of pump setting	Is well a gravel-wall type?

Water Record

Kind (fresh or mineral) <u>fresh</u>	Depth(s) to Water Horizon(s) <u>1 foot</u>	Kind of Water <u>Fresh</u>	No. of Feet Water Rises <u>41</u>
Quality (hard, soft, contains iron, sulphur etc.) <u>soft</u>			
Appearance (clear, cloudy, coloured) <u>clear</u>			
For what purpose(s) is the water to be used? <u>Domestic</u>			
How far is well from possible source of contamination?			
What is source of contamination?			
Enclose a copy of any mineral analysis that has been made of water			

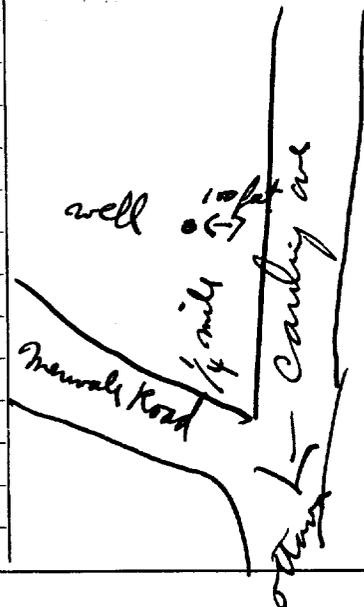
Well Log

Drift and Bedrock Record

	From	To
	0 ft.ft.
<u>20 feet of Clay</u>	<u>1</u>	<u>20</u>
<u>20' - 39'</u>	<u>20</u>	<u>39</u>
<u>39 - 41 gravel</u>	<u>39</u>	<u>41</u>

Location of Well

In diagram below show distances of well from road and lot line.



Situation: Is well on upland, in valley, or on hillside?

Drilling Firm Mulligan Bros

Address Acacia R.R.#1

Recorded by Mulligan Bros Address Acacia R.R.#1

Date

Licence Number

UTM 1182 4424210 E

9R 5025720 N

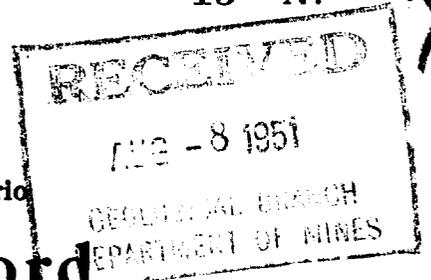
Elev. 9R 02510

Basin 25



ONTARIO

15 No 7810



The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

County or Territorial District Carleton Place, Village, Town or City City of Ottawa

Date Completed July 1951 Cost of Well (excluding pump)

Pipe and Casing Record

Pumping Test

Casing diameter(s) 6 in, Length(s) of casing(s) 32, Type of screen, Length of screen, Distance from top of screen to ground level, Is well a gravel-wall type?, Date, Static level 2 ft, Pumping level 3 ft, Pumping rate, Duration of test, Distance from cylinder or bowls to ground level

Water Record

Kind (fresh or mineral) fresh, Quality (hard, soft, contains iron, sulphur, etc.) soft, Appearance (clear, cloudy, coloured) Clear, For what purpose(s) is the water to be used? house, How far is well from possible source of contamination?, What is the source of contamination?, Enclose a copy of any mineral analysis that has been made of water

Table with 3 columns: Depth(s) to Water Horizon(s), Kind of Water, No. of Feet Water Rises. Row 1: 22, fresh, 20

Well Log

Overburden and Bedrock Record

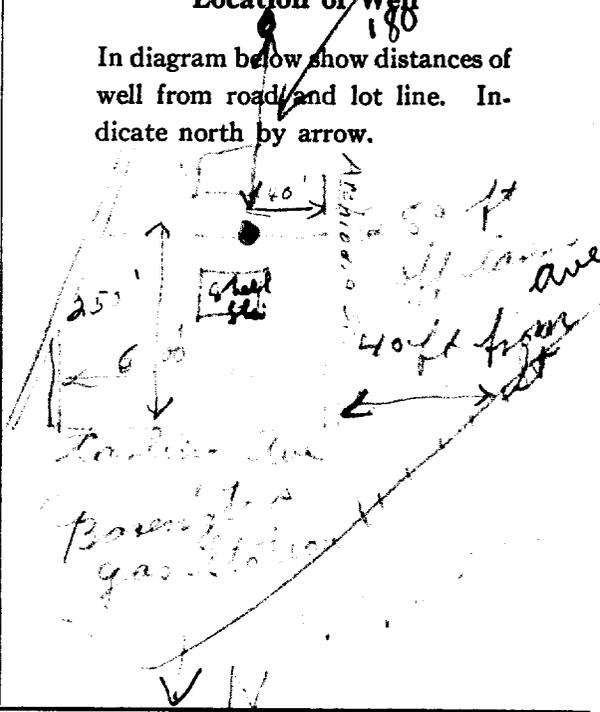
From 0 ft. To ...ft.

Clay 1 4

Gravel 4 32

Location of Well

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



Situation: Is well on upland, in valley, or on hillside?

Drilling Firm Gordon Sullivan

Address

Name of Driller John J. Sullivan Address

Date Licence Number

18
9
9
25

442565
5025580
0250



10612

RECEIVED
JUL 24 1951
GEOLOGICAL BRANCH
DEPARTMENT OF MINES

The Well Drillers Act
Department of Mines, Province of Ontario

Water Well Record

CONC. OF
1/33

OTTAWA
Township, Village, Town or City... Appleton
Town or City...
s. Mermaid Road

Date Completed... August 20 1951 Cost of Well (excluding pump).....

Pipe and Casing Record

Pumping Test

Casing diameter(s) ... <u>4 inch</u>	Date
Length(s) of casing(s) ... <u>12 feet</u>	Static level ... <u>4.5'</u>
Type of screen	Pumping level: ... <u>4.5 feet and any flow</u>
Length of screen	Pumping rate
Distance from top of screen to ground level	Duration of test
Is well a gravel-wall type?	Distance from cylinder or bowls to ground level

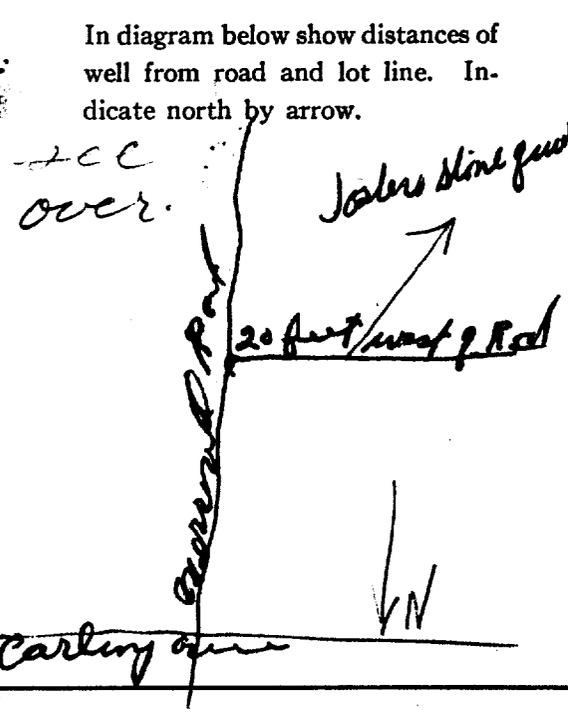
Water Record

Kind (fresh or mineral) ... <u>fresh</u>	Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
Quality (hard, soft, contains iron, sulphur, etc.) ... <u>hard</u>			
Appearance (clear, cloudy, coloured) ... <u>clear</u>	<u>65'</u>		<u>45 from top</u>
For what purpose(s) is the water to be used? ... <u>House hold use</u>			
How far is well from possible source of contamination? ... <u>70 feet</u>			
What is the source of contamination? ... <u>none</u>			
Enclose a copy of any mineral analysis that has been made of water			

Well Log

Overburden and Bedrock Record	From	To
	0 ft.	...ft.
<u>Clay Bolder Sand</u>	<u>0</u>	<u>18</u>
<u>Bed Rock</u>	<u>18</u>	<u>65</u>

Location of Well



Situation: Is well on upland, in valley, or on hillside? ... hill side
 Drilling Firm... Gordon S. Mulholland
 Address... Westboro
 Name of Driller... James Kettle Address... Ramsayville
 Date... Aug 20 Licence Number.....

Signature of Licensee

A090600

MW#1

Master Well Owner's and Land Owner's Information

Thames Street
 County/District/Municipality: _____ City/Town/Village: Ottawa Province: Ontario Postal Code: _____

UTM Coordinates: Zone 18 Easting 442461 Northing 5025978 GPS Unit Make Garmin Model Etrex Mode of Operation: Undifferentiated Averaged Differentiated, specify _____

Overburden and Bedrock Materials (see instructions on the back of this form)				
General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From To
	Asphalt			0 0.1
Brown	Sand + gravel		Dense to compact	0.1 0.9
Grey	Silty clay		compact stiff to firm	0.9 1.5
Grey	Clay silty		stiff to firm	1.5 3.6
Grey	Clay + sand		silty, some gravel loose	3.6 6.1

Hole Details		
Depth (Metres) From	To	Diameter (Centimetres)
0	6.1	20

Water Use

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

Method of Construction

Cable Tool Air Percussion Digging
 Rotary (Conventional) Diamond Boring
 Rotary (Reverse) Jetting Other, specify HSA
 Rotary (Air) Driving

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify _____
 Alteration (Construction) Abandoned, other, specify _____

No Casing and Screen Used Yes No

Static Water Level Test _____ Metres

Screen

Galvanized Steel Fibreglass Concrete Plastic

Outside Diameter (Centimetres) 5.8 Slot No. 10

Water Details	
Water found at Depth (Metres)	Kind of Water
_____	<input type="checkbox"/> Gas <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
_____	<input type="checkbox"/> Gas <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals
_____	<input type="checkbox"/> Gas <input type="checkbox"/> Fresh <input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals

Disinfected Yes No. If no, provide reason: monitoring well Date Master Well Completed (yyyy/mm/dd) 2009/11/30

Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster 3 Please indicate Number of Cluster Well Information Log Sheets Submitted 1

Total Wells on this Property unknown

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Construction Details				
Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From To	
5.1	PVC	Sched 40	0	6.1

Annular Space/Abandonment Sealing Record			
Depth Set at (Metres) From	To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	3.0	Bentonite	60 kgs

Well Contractor and Well Technician Information

Business Name of Well Contractor: George Downing Estate Drilling Ltd Well Contractor's Licence No.: 118 14 14
 Business Address (Street No., Name, number, RR): 410 Rue Principale Grenville Sur La Rouge Municipality: _____
 Province: QC Postal Code: J1O 1J3 Business E-mail Address: downing@hawk.iqs.net
 Bus. Telephone No. (inc. area code): 819 2426 469 Name of Well Technician (Last Name, First Name): Downing, Bruce
 Well Technician's Licence No.: 2173 Signature of Technician: _____ Date Submitted (yyyy/mm/dd): 2009/12/21

Audit No. M 05542 Well Contractor No. _____
 Date Received (yyyy/mm/dd) JAN 28 2010 Date of Inspection (yyyy/mm/dd) _____
 Remarks: _____

A090600

Address of Well Location (Street Number/Name, RR) Thames Street		Lot	Concession	Township	County/District/Municipality	Signature of Technician/Contractor <i>Bruce Downing</i>	Date (yyyy/mm/dd) 2009/12/21
City/Town/Village Ottawa	Province Ontario	Postal Code	GPS Unit Make GARMIN	Model Etrex	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify:		

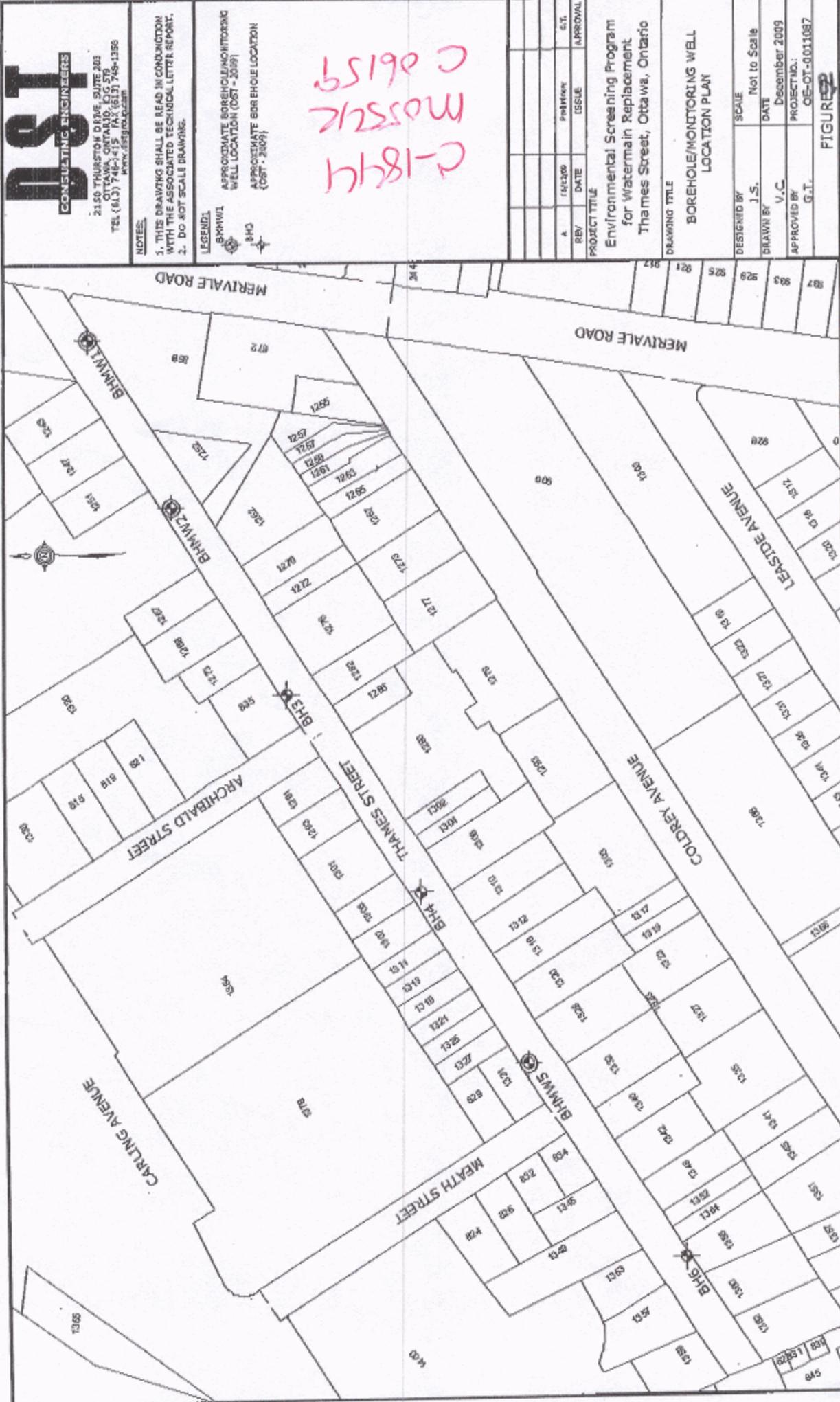
Well # on Sketch	Zone	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
		Easting	Northing						From	To					
MW #2	18	442562	5025940	6.1	20	HSA	PVC	3.0	3.0	4.1	Bentonite				2009/11/30
MW #3	18	442325	5025798	5.1	"	"	"	2.0	2.0	5.1	"				2009/12/01

Well Contractor and Well Technician Information

Business Name of Well Contractor George Downing Estate Drilling Ltd		Business Address (Street Number/Name, RR) 410 Rue Principale Grenville Sur La Range		Municipality QC	Province QC
Postal Code J0N 1B0	Business Telephone No. (inc. area code) 811 924 2646	Well Contractor's Licence No. 18 4 4	Business E-mail Address downing@hawkis.net		
Name of Well Technician (First Name, Last Name) Bruce Downing		Well Technician's Licence No. 2 1 7 3	Date Submitted (yyyy/mm/dd) 2009/12/21	Signature of Technician <i>Bruce Downing</i>	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/11/30	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/12/01
---	--

Ministry Use Only	
Date Received (yyyy/mm/dd) JAN 28 2010	Date Inspected (yyyy/mm/dd)
Audit No. c 06159	Remarks M05542



DST
CONSULTING ENGINEERS
2150 THURSTON DRIVE, SUITE 203
OTTAWA, ONTARIO, K1G 5T9
TEL: (613) 746-4125 FAX: (613) 746-1396
WWW.DSTCONSULTING.COM

NOTES:
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE ASSOCIATED TECHNICAL LETTER REPORT.
2. DO NOT SCALE DRAWING.

LEGEND:
BHMW1 APPROXIMATE BOREHOLE/MONITORING WELL LOCATION (DST - 2009)
BHMW2 APPROXIMATE BOREHOLE/MONITORING WELL LOCATION (DST - 2009)
BHMW3 APPROXIMATE BOREHOLE/MONITORING WELL LOCATION (DST - 2009)
BHMW5 APPROXIMATE BOREHOLE/MONITORING WELL LOCATION (DST - 2009)
BHMW6 APPROXIMATE BOREHOLE/MONITORING WELL LOCATION (DST - 2009)

C-1844
MOSSLE
C 06159

REV	DATE	PERMITS	ISSUE	APPROVAL
A	15/12/09			

PROJECT TITLE:
Environmental Screening Program for Watermain Replacement Thames Street, Ottawa, Ontario

DRAWING TITLE:
BOREHOLE/MONITORING WELL LOCATION PLAN

DESIGNED BY: J.S.
DRAWN BY: V.C.
APPROVED BY: G.T.

SCALE: Not to Scale
DATE: December 2009
PROJECT NO.: OE-OT-0011087

FIGURES

JAN 28 2010

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

11

Municipality Con. 10 14 15 22 23 24

County or District Ottawa	Township/Borough/City/Town/Village Ottawa	Con block tract survey, etc. A	Lot 1
Owner's surname City of Ottawa	First Name Infrastructure Services	Address Thames Street	Date completed 14 Sept 2010
Zone 18	Easting 442617	Northing 5025962	Basin Code ii

General colour	Most common material	Other materials	General description	Depth - feet	
				From	To
Black	Asphalt			0	0.3
Brown	Sand & Gravel	silt	dense	0.3	2.6
Grey	silt	clay, sand	compact	2.6	5.0
Grey	clay	silt, sand	firm	5.0	10
Grey	silt	clay, sand, gravel	loose	10	20

31 32

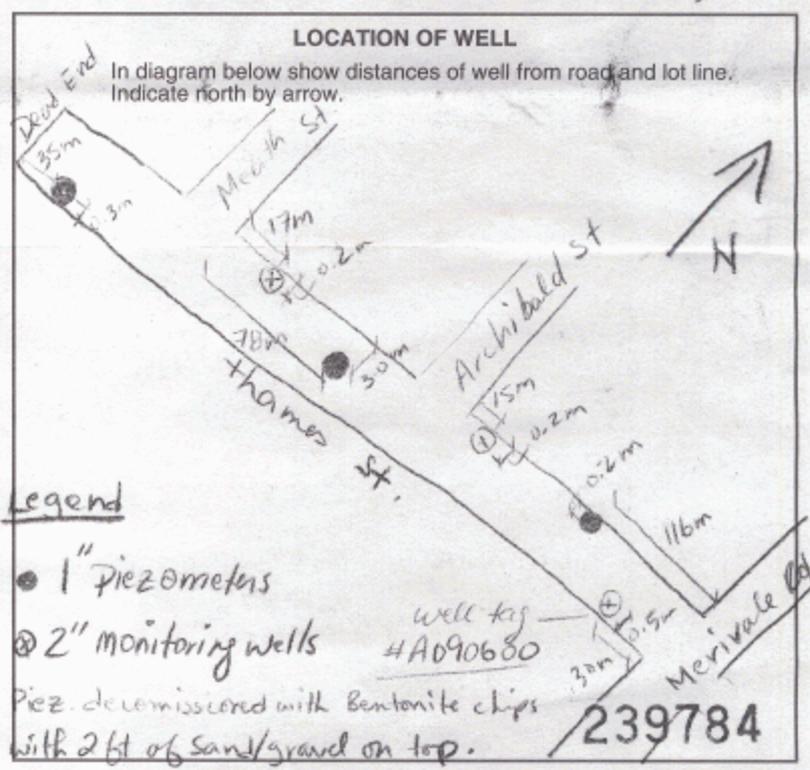
Water found at - feet	Kind of water
6.5	<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
	<input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
	<input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
	<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas
	<input type="checkbox"/> Salty <input type="checkbox"/> Sulphur <input type="checkbox"/> Minerals <input type="checkbox"/> Gas

Inside diam inches	Material	Wall thickness inches	Depth - feet	
			From	To
2	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input checked="" type="checkbox"/> Plastic	0.12	0	20
	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic			
	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic			
	<input type="checkbox"/> Steel <input type="checkbox"/> Galvanized <input type="checkbox"/> Concrete <input type="checkbox"/> Open hole <input type="checkbox"/> Plastic			

Sizes of opening (Slot No.)	Diameter	Length
10	2 inches	15.0 feet
Material and type		Depth at top of screen
PVC Plastic		5.0 feet

Depth set at - feet		Material and type (Cement grout, bentonite, etc.)
From	To	
0	2	sand & gravel
2	4	Bentonite chips
4	20	Bentonite slurry

Pumping test method	Pumping rate	Duration of pumping
<input type="checkbox"/> Pump <input type="checkbox"/> Bailer	GPM	Hours Mins
Static level	Water level end of pumping	Water levels during
feet	feet	15 minutes 30 minutes 45 minutes 60 minutes
feet	feet	feet feet feet feet
If flowing give rate	Pump intake set at	Water at end of test
GPM	feet	<input type="checkbox"/> Clear <input type="checkbox"/> Cloudy
Recommended pump type	Recommended pump setting	Recommended pump rate
<input type="checkbox"/> Shallow <input type="checkbox"/> Deep	feet	GPM



FINAL STATUS OF WELL		
<input type="checkbox"/> Water supply	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Unfinished
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well
<input type="checkbox"/> Test hole	<input checked="" type="checkbox"/> Abandoned (Other)	
<input type="checkbox"/> Recharge well	<input type="checkbox"/> Dewatering	

decommissioned

WATER USE		
<input type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not use
<input type="checkbox"/> Stock	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Other
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Public supply	
<input type="checkbox"/> Industrial	<input type="checkbox"/> Cooling & air conditioning	

environmental use

METHOD OF CONSTRUCTION		
<input type="checkbox"/> Cable tool	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Driving
<input type="checkbox"/> Rotary (conventional)	<input checked="" type="checkbox"/> Boring	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Jetting	

Name of Well Contractor DST Consulting Engineers	Well Contractor's Licence No. 6838
Address 605 Hewison St. Thunder Bay, ON	
Name of Well Technician Manon Giroux	Well Technician's Licence No. T-3025
Signature of Technician/Contractor <i>Manon Giroux</i>	Submission date day 30 mo 9 yr 10

Data source	Contractor	Date received
		OCT 04 2010
Date of inspection	Inspector	
Remarks		



Measurements recorded in: Metric Imperial

Page ____ of ____

Well Owner's Information

First Name: DFB Associates, Last Name / Organization: DFB Associates, E-mail Address: [blank], Mailing Address: 22-2350 Stevenage Drive, Ottawa, Ont., K1G3W3, Telephone No.: 3613737776

Well Location

Address of Well Location: 999 Merivale Road, Township: Ottawa, City/Town/Village: Ottawa, Province: Ontario, Postal Code: [blank], UTM Coordinates: NAD 83 18 442621 5025931, Municipal Plan and Sublot Number: 327929

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

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From/To. Includes handwritten entries: grey, sand and gravel, sand silt and gravel, silty clay, and a note 'CMW 3 was tagged'.

Annular Space table with 3 columns: Depth Set at (m/ft) From/To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Includes handwritten entries: 0-0.85 hole plug, 0.85-4.60 filter sand, 1 1/2 bags, 7 bags.

Method of Construction and Well Use section with checkboxes for Cable Tool, Rotary, Boring, etc., and Public, Commercial, etc. Includes handwritten entry 'HS Auger'.

Construction Record - Casing table with 4 columns: Inside Diameter (cm/in), Open Hole OR Material, Wall Thickness (cm/in), Depth (m/ft) From/To. Includes handwritten entry: 5.2 plastic 0.4 0 1.50.

Construction Record - Screen table with 4 columns: Outside Diameter (cm/in), Material, Slot No., Depth (m/ft) From/To. Includes handwritten entry: 6.0 plastic 10 1.50 4.60.

Water Details and Hole Diameter section. Includes handwritten entries for water depth (2.49 m/ft) and hole diameter (22 cm/in).

Well Contractor and Well Technician Information section. Includes handwritten entries for Business Name (OGS INC.), Address (5518 Appleton Side Road, Almonte), and Technician (Chlmann, Brian).

Results of Well Yield Testing table with columns for Draw Down (Time, Water Level) and Recovery (Time, Water Level). Includes handwritten entries for pump intake, pumping rate, and final water level.

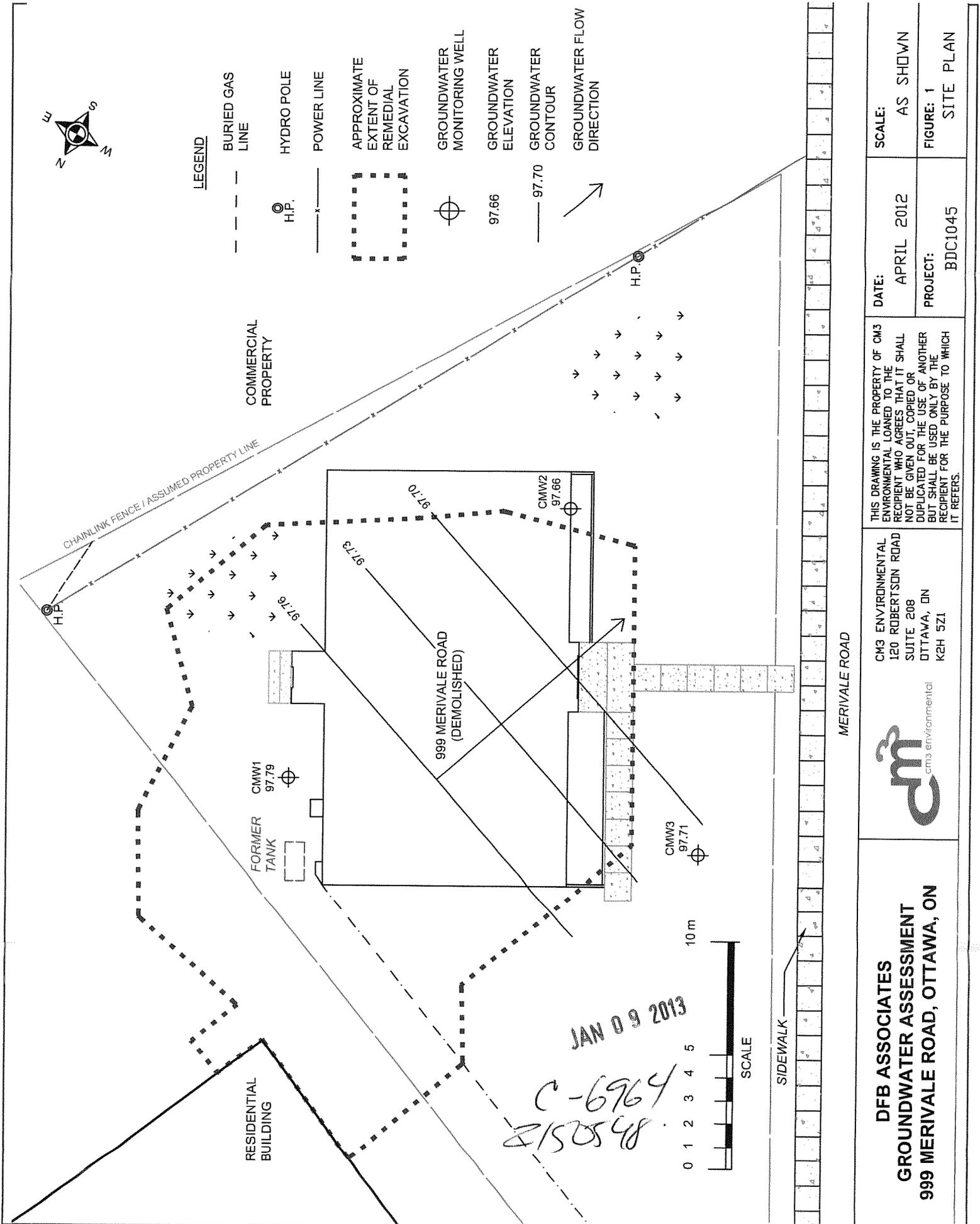
Map of Well Location section with handwritten note: 'Site plan and area map are enclosed.' Includes a 'Ministry Use Only' box with Audit No. Z150548 and date JAN 09 2013.

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: # A13 2248

"Well Record for Well Cluster" Form Audit Number: # C19566



<p>DATE: APRIL 2012</p> <p>PROJECT: BDC1045</p>	<p>SCALE: AS SHOWN</p> <p>FIGURE: 1</p> <p>SITE PLAN</p>
<p>THIS DRAWING IS THE PROPERTY OF CM3 ENVIRONMENTAL LOANED TO THE RECIPIENT WHO AGREES THAT IT SHALL NOT BE GIVEN OUT, COPIED OR DUPLICATED FOR THE USE OF ANOTHER RECIPIENT FOR THE PURPOSE TO WHICH IT REFERS.</p>	
<p>CM3 ENVIRONMENTAL 120 ROBERTSON ROAD SUITE 208 OTTAWA, ON K2H 5Z1</p>	
<p>DFB ASSOCIATES GROUNDWATER ASSESSMENT 999 MERIVALE ROAD, OTTAWA, ON</p>	



Address 999 Merivale Rd
Ottawa, ON K1Z 6A6, Canada

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




06964
2150548

JAN 09 2013

A132248

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name: DFB Associates
 Last Name / Organization: DFB Associates
 E-mail Address: [Blank]
 Well Constructed by Well Owner

Mailing Address (Street Number/Name): 22-2350 Steverage Drive
 Municipality: Ottawa
 Province: Ont
 Postal Code: K1G 3W3
 Telephone No. (inc. area code): 613 737 7776

Well Location

Address of Well Location (Street Number/Name): 999 Merivale Road
 Township: Ottawa
 Lot: 8
 Concession: [Blank]

County/District/Municipality: Ottawa Carleton
 City/Town/Village: Ottawa
 Province: Ontario
 Postal Code: [Blank]

UTM Coordinates: NAD 83
 Zone: 18
 Easting: 442621
 Northing: 5025931
 Municipal Plan and Sublot Number: 327929

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
			Well tag was missing.		

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	0.50	hole plug	1/3 bag
0.50	4.60	benonite cement grout	50 litres

Results of Well Yield Testing

After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
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? <input type="checkbox"/> Yes <input type="checkbox"/> No	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		

Method of Construction

Well Use

Cable Tool Diamond Public Commercial Not used
 Rotary (Conventional) Jetting Domestic Municipal Dewatering
 Rotary (Reverse) Driving Livestock Test Hole Monitoring
 Boring Digging Irrigation Cooling & Air Conditioning
 Air percussion Industrial
 Other, specify _____ Other, specify _____

Construction Record - Casing

Status of Well

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
					<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input checked="" type="checkbox"/> Abandoned, other, specify decommissioned <input type="checkbox"/> Other, specify _____

Construction Record - Screen

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

Map of Well Location

Please provide a map below following instructions on the back.

Site plan and area maps are enclosed.

Water Details

Hole Diameter

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (m/ft)		Diameter (cm/in)
		From	To	
		0	4.60	22

Well Contractor and Well Technician Information

Business Name of Well Contractor: OGS INC
 Well Contractor's Licence No.: 6964
 Business Address (Street Number/Name): 5518 Appleton Side Road
 Municipality: Almonte
 Province: Ont
 Postal Code: K0A1A0
 Business E-mail Address: ogsinc@bellnet.ca
 Bus. Telephone No. (inc. area code): 613 256 7666
 Name of Well Technician (Last Name, First Name): Stride, Jason
 Well Technician's Licence No.: 3634
 Signature of Technician and/or Contractor: [Signature]
 Date Submitted: 2013 01 02

Comments:

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: YYY Y MM DD 2012 06 11	Date Work Completed: 2012 06 11
Ministry Use Only Audit No.: 2150552		Received: JAN 10 2013



Abandonment

All measurements recorded in: Metric Imperial

Well Tag No. of Deepest Well: (Print Well Tag No.) A132240 Well # on Drawing of Deepest Well: cmw1 4.60m

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

Well Cluster Location Information					Mandatory Attachments/Additional Information	
Address of Well Location (Street Number(s)/Name(s), RR, if available)		Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality	
999 Merivale Road		8		Ottawa	Ottawa Carleton	
City, Town, Village or Hamlet		Province	GPS Unit Make	Model	Unit Mode of Operation <input checked="" type="checkbox"/> Undifferentiated <input type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify: _____	
Ottawa		Ontario	Magellan			

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: *Jason Strude* Date (yyyy/mm/dd): _____

Well # on Drawing	UTM Coordinates		Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft)		Screen Interval (m/ft)		Annular Space Material (m/ft)			Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
	Zone	Easting					Northing	From	To	From	To	From	To			
cmw 1	18	4426085025417	4.60	22							0	0.50	hole plug		2.25	2012/06/11
cmw 2	18	4426045025434	4.60	"							0	0.50	hole plug		2.60	"
cmw 3	18	4426215025431	4.60	"							0	0.50	hole plug		2.49	"

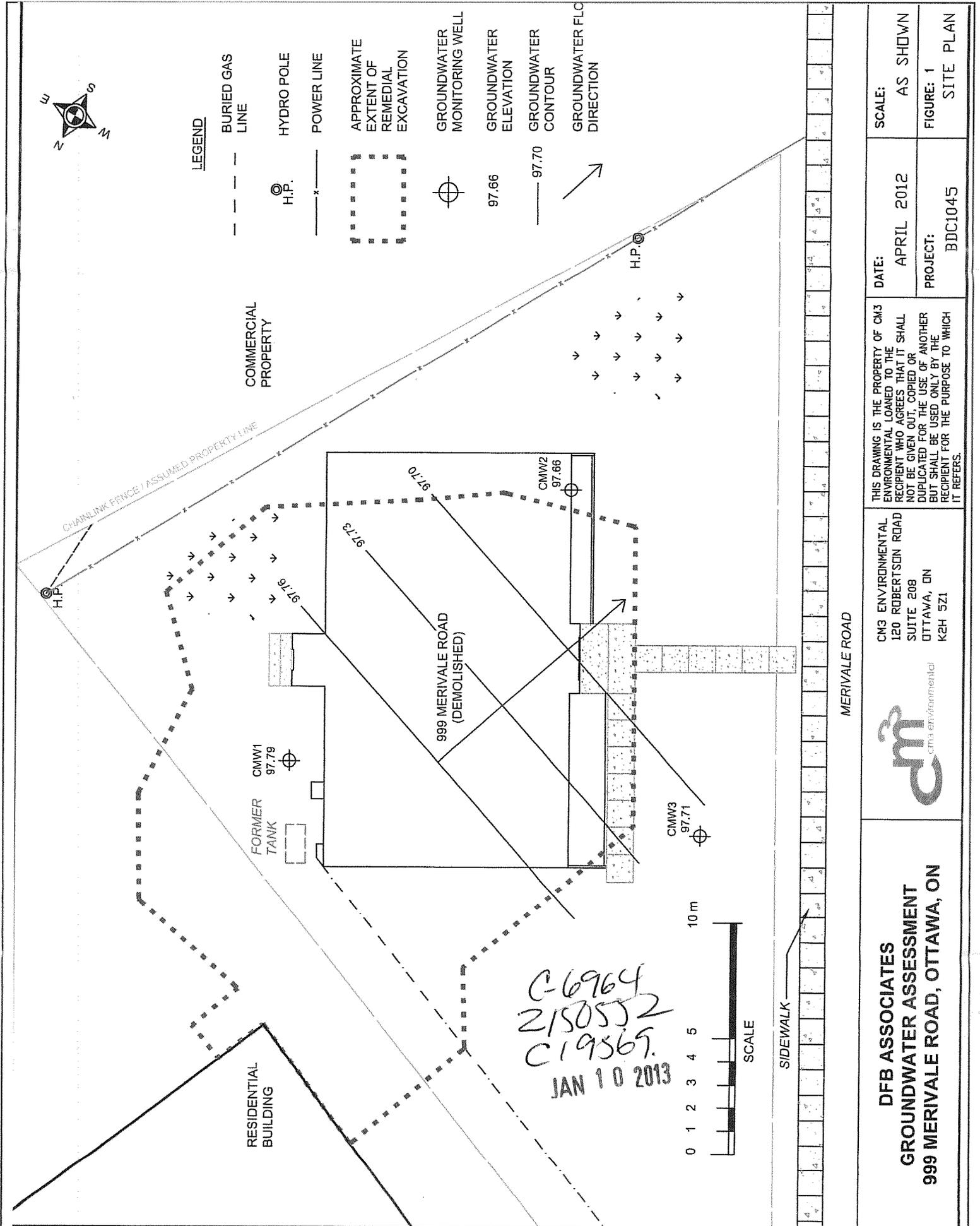
Well Contractor and Well Technician Information				Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)		Date Last Well in Cluster Completed (yyyy/mm/dd)		Ministry Use Only	
Business Name of Well Contractor		Business Address (Street Number/Name, RR)		Municipality	Province	2012/06/11		2012/06/11	
OGS INC		5518 Appleton Side Rd.		Almonte	Ont			Date Received (yyyy/mm/dd) Audit No.	
Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address			Well Abandonment		Comments:	
K0A1A0	613-256-7666	6964	ogsinc@bellnet.ca			Person Abandoning the Wells:		2/5052	
Name of Well Technician (First Name, Last Name)		Well Technician's Licence No.	Signature of Well Technician	Date Submitted (yyyy/mm/dd)		Name			
Jason Strude		3634	<i>Jason Strude</i>	2013/01/02		(Print or Type) - See instruction 11 on the back of this form			

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: # A132240 Abandonment

"Well Record for Well Cluster" Form Audit Number: # C19569



<p>DATE: APRIL 2012</p> <p>PROJECT: BDC1045</p>	<p>SCALE: AS SHOWN</p> <p>FIGURE: 1</p> <p>SITE PLAN</p>
<p>THIS DRAWING IS THE PROPERTY OF CM3 ENVIRONMENTAL LOANED TO THE RECIPIENT WHO AGREES THAT IT SHALL NOT BE GIVEN OUT, COPIED OR DUPLICATED FOR THE USE OF ANOTHER BUT SHALL BE USED ONLY BY THE RECIPIENT FOR THE PURPOSE TO WHICH IT REFERS.</p>	
<p>CM3 ENVIRONMENTAL 120 ROBERTSON ROAD SUITE 208 OTTAWA, ON K2H 5Z1</p>	
<p>DFB ASSOCIATES GROUNDWATER ASSESSMENT 999 MERIVALE ROAD, OTTAWA, ON</p>	



Address 999 Merivale Rd
Ottawa, ON K1Z 6A6, Canada

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




C-6964
Z150552
C19569.

JAN 10 2013

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

Well ID

Well ID Number: 7217443

Well Audit Number: Z179980

Well Tag Number: A157825

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

Well Location

Address of Well Location	848 MERIVALE 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: 442655.00 Northing: 5026008.00
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	GRVL	SAND	SOFT	0 m	.61 m
GREY	SILT	CLAY	SOFT	.61 m	3.1 m
GREY	SAND	CLAY	SOFT	3.1 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	BENSEAL	
2.74 m	6.1 m		

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	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
------------------	----------	------------	----------

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	6.1 m	8.25 cm

Audit Number: Z179980

Date Well Completed: February 14, 2014

Date Well Record Received by MOE: March 13, 2014

Updated: October 29, 2019

Recommended for you

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

Well ID

Well ID Number: 7217444

Well Audit Number: Z179979

Well Tag Number: A157824

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

Well Location

Address of Well Location	848 MERIVALE 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: 442649.00 Northing: 5026012.00
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	GRVL	SAND	SOFT	0 m	.61 m
GREY	SILT	CLAY	SOFT	.61 m	3.1 m
GREY	SAND	SILT	SOFT	3.1 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	BENSEAL	
2.74 m	6.1 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	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
------------------	----------	------------	----------

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	6.1 m	8.25 cm

Audit Number: Z179979

Date Well Completed: February 14, 2014

Date Well Record Received by MOE: March 13, 2014

Updated: October 29, 2019

Recommended for you

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

Well ID

Well ID Number: 7267545

Well Audit Number: Z229814

Well Tag Number: A164398

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

Well Location

Address of Well Location	1309 CARLING 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: 442423.00 Northing: 5026130.00
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	----			0 m	.31 m
BRWN	SAND	GRVL	SOFT	.31 m	1.21 m
GREY	CLAY	SILT	SOFT	1.21 m	2.43 m
GREY	TILL	SILT	SOFT	2.43 m	3.04 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	1.21 m	BENTONITE	
1.21 m	3.04 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

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

Construction Record - Screen

Outside Material Depth Depth

Diameter From To
4.82 cm PLASTIC 1.52 m 3.04 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	3.04 m	8.3 cm

Audit Number: Z229814

Date Well Completed: June 08, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

Recommended for you

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

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Well ID

Well ID Number: 7267547

Well Audit Number: Z229815

Well Tag Number: A164404

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

Well Location

Address of Well Location	1309 CARLING 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: 442403.00 Northing: 5026132.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	----	GRVL		0 m	.31 m
BRWN	SAND	GRVL	SOFT	.31 m	1.21 m
GREY	CLAY	SILT	SOFT	1.21 m	3.04 m
GREY	TILL	SILT	SOFT	3.04 m	5.48 m
GREY	TILL	CLAY		5.48 m	6.09 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	4.26 m	BENTONITE	
4.26 m	6.09 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Material Depth Depth
Diameter From To
4.82 cm PLASTIC 4.57 m 6.09 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	6.09 m	8.3 cm

Audit Number: Z229815

Date Well Completed: June 07, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

Recommended for you

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

[Go Back to Map](#)

Well ID

Well ID Number: 7267591

Well Audit Number: Z229820

Well Tag Number: A164351

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

Well Location

Address of Well Location	1309 CARLING 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: 442466.00 Northing: 5026140.00
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	SAND	GRVL	LOOS	0 m	2.13 m
BRWN	SILT	CLAY	SOFT	2.13 m	3.66 m
GREY	SILT	CLAY	SOFT	3.66 m	7.32 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	5.49 m	BENTONITE	
5.49 m	7.32 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	5.79 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	7.32 m	20.95 cm

Audit Number: Z229820

Date Well Completed: June 06, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

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Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the [Open Data catalogue](#).

Recommended for you

[How to use a Ministry of the Environment map](#)

[Technical documentation: Metadata record](#)

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Well ID

Well ID Number: 7267592

Well Audit Number: Z229845

Well Tag Number: A169689

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

Well Location

Address of Well Location	1309 CARLING 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: 442402.00 Northing: 5026110.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BLCK	----	GRVL	HARD	0 m	.31 m
GREY	GRVL	SAND	LOOS	.31 m	1.5 m
GREY	CLAY	SILT	SOFT	1.5 m	4.21 m
GREY	CLAY	STNS	DNSE	4.21 m	6.71 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	4.88 m	BENTONITE	
4.88 m	6.71 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	5.18 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	5.18 m	6.71 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	6.71 m	8.25 cm

Audit Number: Z229845

Date Well Completed: June 06, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

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Well ID

Well ID Number: 7267593

Well Audit Number: Z229844

Well Tag Number: A169688

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

Well Location

Address of Well Location	1309 CARLING 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: 442416.00 Northing: 5026094.00
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		LOOS	0 m	.61 m
BRWN	SAND		SOFT	.61 m	1.5 m
BRWN	SILT	CLAY	SOFT	1.5 m	4.21 m
GREY	SILT	CLAY	SOFT	4.21 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	4.21 m	BENTONITE	
4.21 m	6.1 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Rotary (Convent.)	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
5.2 cm	PLASTIC	0 m	4.27 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
6.03 cm	PLASTIC	4.27 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	6.1 m	20.95 cm

Audit Number: Z229844

Date Well Completed: June 06, 2016

Date Well Record Received by MOE: July 21, 2016

Updated: October 29, 2019

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Tags

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Well ID

Well ID Number: 7276789

Well Audit Number: Z238023

Well Tag Number: A191035

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

Well Location

Address of Well Location	1316 CARLING 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: 442514.00 Northing: 5026015.00
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	SAND	GRVL	SOFT	0 m	.91 m
GREY	SILT	GRVL	WBRG	.91 m	2.44 m
GREY	SAND	GRVL	WBRG	2.44 m	4.57 m

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
-------	-------	----------------------	--------

From	To	(Material and Type)	Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	
.31 m	1.22 m	BENTONITE	
1.22 m	4.57 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
DIRECT PUSH	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	1.5 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	4.57 m	8.25 cm

Audit Number: Z238023

Date Well Completed: November 17, 2016

Date Well Record Received by MOE: December 12, 2016

Updated: October 29, 2019

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Well ID

Well ID Number: 7276790
Well Audit Number: Z237919
Well Tag Number: A191034

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

Well Location

Address of Well Location	1316 CARLING 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: 442518.00 Northing: 5026030.00
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	SAND	GRVL	SOFT	0 m	1.22 m
GREY	SILT	GRVL	WBRG	1.22 m	2.44 m
GREY	SAND	GRVL	WBRG	2.44 m	4.57 m

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
-------	-------	----------------------	--------

From	To	(Material and Type)	Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	
.31 m	1.22 m	BENTONITE	
1.22 m	4.54 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Other Method	
DIRECT PUSH	Monitoring and Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	1.5 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	1.5 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	4.57 m	8.25 cm

Audit Number: Z237919

Date Well Completed: November 17, 2016

Date Well Record Received by MOE: December 12, 2016

Updated: October 29, 2019

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Well ID

Well ID Number: 7282860
Well Audit Number: Z250744
Well Tag Number: A190039

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

Well Location

Address of Well Location	1335 CARLING 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: 442419.00 Northing: 5026066.00
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			0 m	.31 m
BRWN	SAND			.31 m	3.1 m
GREY	TILL			3.1 m	5.79 m

Annular Space/Abandonment Sealing Record

Depth	Depth	Type of Sealant Used	Volume
-------	-------	----------------------	--------

From	To	(Material and Type)	Placed
0 m	.31 m	CONCRETE/ FLUSHMOUNT	
.31 m	2.44 m	BENTONITE	
2.44 m	5.79 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	2.74 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	2.74 m	5.79 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	5.79 m	8.25 cm

Audit Number: Z250744

Date Well Completed: February 21, 2017

Date Well Record Received by MOE: March 13, 2017

Updated: October 29, 2019

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Well ID

Well ID Number: 7282861

Well Audit Number: Z250743

Well Tag Number: A190038

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

Well Location

Address of Well Location	1335 CARLING 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: 442367.00 Northing: 5026036.00
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			0 m	.31 m
BRWN	SAND			.31 m	1.5 m
GREY	CLAY	SLTY		1.5 m	4.57 m
GREY	TILL			4.57 m	5.79 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	2.44 m	BENTONITE	
2.44 m	5.79 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	2.74 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	2.74 m	5.79 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	5.79 m	8.25 cm

Audit Number: Z250743

Date Well Completed: February 21, 2017

Date Well Record Received by MOE: March 13, 2017

Updated: October 29, 2019

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Well ID

Well ID Number: 7282862

Well Audit Number: Z250741

Well Tag Number: A190037

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

Well Location

Address of Well Location	1335 CARLING 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: 442355.00 Northing: 5026093.00
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			0 m	.31 m
BRWN	SAND	FILL		.31 m	1.5 m
GREY	CLAY	SLTY		1.5 m	4.57 m
GREY	TILL			4.57 m	5.79 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	2.44 m	BENTONITE	
2.44 m	5.79 m	SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Direct Push	Monitoring Test Hole

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
4.03 cm	PLASTIC	0 m	2.74 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
4.82 cm	PLASTIC	2.74 m	5.79 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	5.79 m	8.25 cm

Audit Number: Z250741

Date Well Completed: February 21, 2017

Date Well Record Received by MOE: March 13, 2017

Updated: October 29, 2019

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File Number: D06-03-19-0170

November 29, 2019

Mandy Witteman
Paterson Group Inc.
154 Colonnade Road South
Ottawa, ON
K2E 7J5

Sent via email [mwitteman@patersongroup.ca]

Dear Ms. Witteman,

**Re: Information Request
1330 Carling Avenue, Ottawa, Ontario (“Subject Property”)**

Internal Department Circulation

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- Sewer Use Program: The City’s Sewer Use Program has information available on the subject property pertaining to inspection records for 1330 Carling Avenue. Information Request searches only include recent reports, violations, approvals, and agreements pursuant to the provisions of the Sewer Use by-law (2003-514). The Sewer Use Program cannot guarantee or make comments on the environmental condition of the subject properties, as the Sewer Use Program does not have the necessary data to make

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City’s Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There is one (1) activity associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

*Shaping our future together
Ensemble, formons notre avenir*

City of Ottawa
Planning, Infrastructure and Economic
Development Department

110 Laurier Avenue West, 4th Floor
Ottawa, ON K1P 1J1
Tel: (613) 580-2424 ext. 21690
Fax: (613) 560-6006
www.ottawa.ca

Ville d’Ottawa
Services de la planification, de l’infrastructure et
du développement économique

110, avenue Laurier Ouest, 4e étage
Ottawa (Ontario) K1P 1J1
Tél.: (613) 580-2424 ext. 21690
Télééc: (613) 560-6006
www.ottawa.ca

- There are 37 activities associated with properties located within 250m of the Subject Property.

Please note that certain activities have been identified to have a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Numbers with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

The Environmental Registry found at <http://www.ebr.gov.on.ca/ERS-WEB-External/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an “as is” basis with no

representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact Eric Steele at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,



Eric Steele

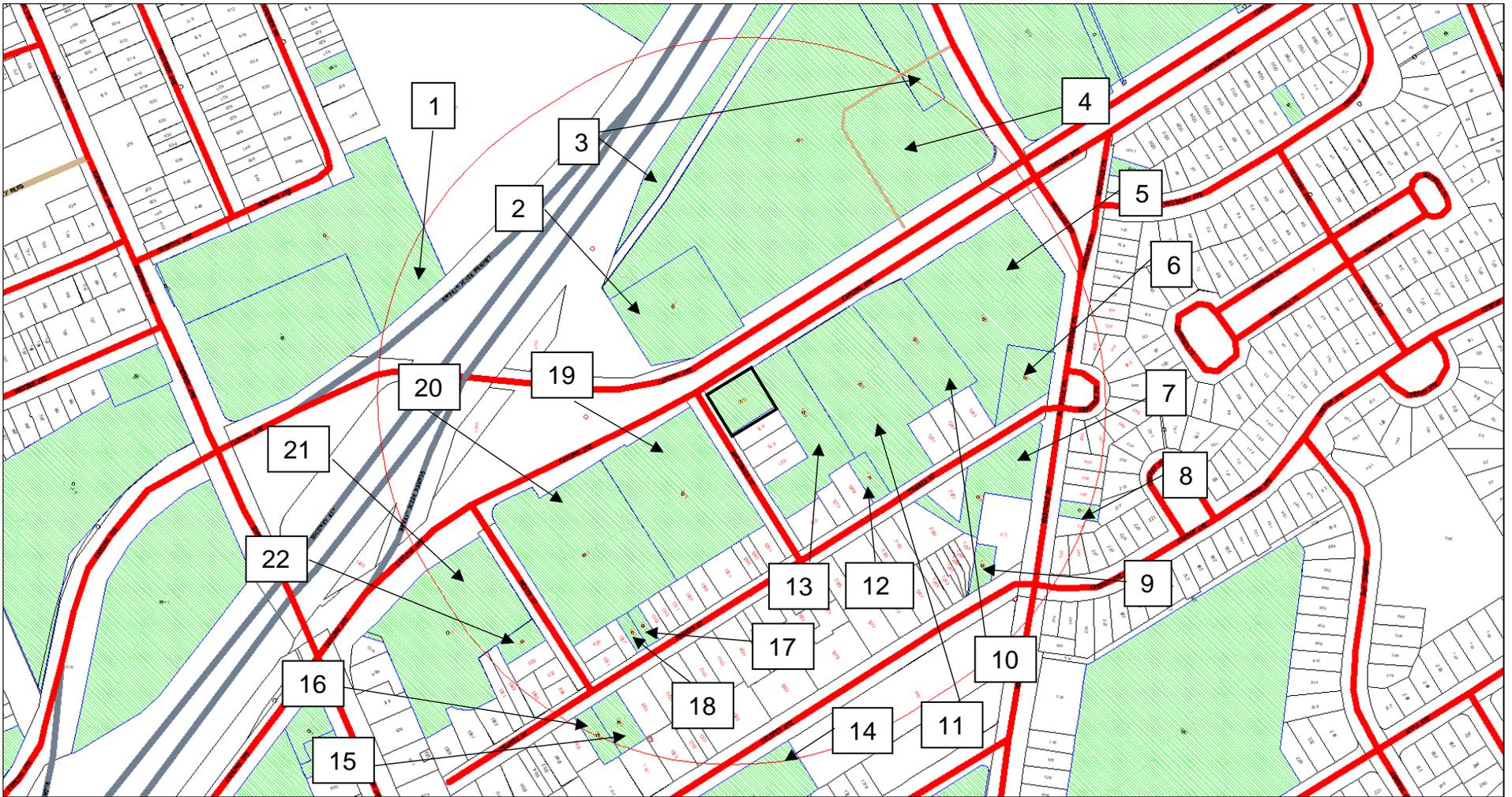
Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB / ES

Enclosures.

cc: File no. D06-03-19-0170



Scale 1: n/a

1330 Carling Avenue
 Ottawa, ON
 File # D06-03-19-0170
 Eric Steele



Overview

ID# = Area Number

= Subject Site

Area	Associated HLUI Activities	HLUI Activities with a PIN Certainty of "2" *
Subject Property	6225	
1	10394, 14448, 185, 6210, 6304	10394
2	10013, 10394, 107, 14391, 2331, 4697, 7626, 854	10394, 14391
3	12452	12452
4	12452, 13282, 13308, 13897, 14391, 2220, 2331, 4944, 8762, 9759	12452, 14391, 2220
5	12452, 6037	12452, 6037
6	12452	12452
7	2379, 6282, 8741	
8	3072	
9	607, 7320	
10	12724, 7108	12724
11	12724, 7865	12724
12	92	
13	13543	
14	13119	
15	9284	
16	8832	
17	1337	
18	4052	
19	10519	
20	5789	
21	5789	
22	10141	

*This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.

Historical Land Use Inventory

Activity Numbers –

Subject Property/Properties

Historical Land Use Inventory

Activity Numbers –

Adjacent Properties

Historical Land Use Inventory

Area #1 Activity Numbers



CITY OF OTTAWA
 HLUI ID: __679ABK

Report: RPTC_OT_DEV0122
 Run On: 25 Nov 2019 at: 10:23:46

AREA (Square Metres): 14076.892

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	040250147	Y	N
2005	040250191	Y	Y

Activity ID: 10394 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 5706
Related PINS: 040250147

Name: ONTARIO DEPARTMENT OF HIGHWAYS
Address: 1359 CARLING AVENUE, OTTAWA
Facility Type: Motor Vehicles, Wholesale
Comments 1: Located at #1365 Carling ca. 1948.
Comments 2:
Generator Number:
Storage Tanks: FIP1948, FIP1956 - Two USTs located on the south west corner
HL References 1: M.1949, M.1957; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640; FIP1956-332-1-1640,vol3
HL References 2:
HL References 3:

NAICS	SIC
415190	551
811111	551
415120	551
415110	551
811310	551

Company Name	Year of Operation
Ontario Department of Highways	c. 1948-1957



CITY OF OTTAWA

HLUI ID: __679ABK

AREA (Square Metres): 14076.892

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:23:46

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	040250147	Y	N
2005	040250191	Y	Y

Activity ID: 14448 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250191

Name: WATER CONSERVATION TECHNOLOGIES

Address: 1411 CARLING AVENUE, OTTAWA

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
416120	0

Company Name	Year of Operation
WATER CONSERVATION TECHNOLOGIES	c. 2001



CITY OF OTTAWA

HLUI ID: __679ABK

AREA (Square Metres): 14076.892

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:23:46

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	040250147	Y	N
2005	040250191	Y	Y

Activity ID: 185 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250191

Name: ARK JEWELLERY REPAIR

Address: 1419 CARLING AVENUE, OTTAWA

Facility Type: Jewellery Stores and Watch and Jewellery Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
448310	0

Company Name	Year of Operation
CONGER'S JEWELLERS	c. 2001
ARK JEWELLERY REPAIR	c. 2001



CITY OF OTTAWA

HLUI ID: __679ABK

AREA (Square Metres): 14076.892

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:23:46

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	040250147	Y	N
2005	040250191	Y	Y

Activity ID: 6210 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250191

Name: GREAT ATLANTIC & PACIFIC CO. OF CDA.LTD.

Address: 667 KIRKWOOD AVENUE, OTTAWA

Facility Type: Camera and Photographic Supply Stores

Comments 1: FOOD BASICS #940

Comments 2:

Generator Number: ON2392153

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS SIC

812922 0

443130 0

Company Name

GREAT ATLANTIC & PACIFIC CO. OF CDA.LTD.

Year of Operation

c. 2000



CITY OF OTTAWA

HLUI ID: __679ABK

AREA (Square Metres): 14076.892

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:23:46

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	040250147	Y	N
2005	040250191	Y	Y

Activity ID: 6304 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250191

Name: HAMPTON PAINTS LIMITED

Address: 1411 CARLING AVENUE,

Facility Type: Lumber and Building Materials, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
444120	0

Company Name	Year of Operation
HAMPTON PAINTS LIMITED	c. 2005
HAMPTON PAINTS LIMITED	c. 2001

Historical Land Use Inventory

Area #2 Activity Numbers



CITY OF OTTAWA
HLUI ID: __679GKV
AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 10394 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 5706

Related PINS: 040250147

Name: ONTARIO DEPARTMENT OF HIGHWAYS

Address: 1359 CARLING AVENUE, OTTAWA

Facility Type: Motor Vehicles, Wholesale

Comments 1: Located at #1365 Carling ca. 1948.

Comments 2:

Generator Number:

Storage Tanks: FIP1948, FIP1956 - Two USTs located on the south west corner

HL References 1: M.1949, M.1957; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640; FIP1956-332-1-1640,vol3

HL References 2:

HL References 3:

NAICS	SIC
415190	551
811111	551
415120	551
415110	551
811310	551

Company Name

Ontario Department of Highways

Year of Operation

c. 1948-1957



CITY OF OTTAWA
HLUI ID: __679GKV
AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 107 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040250173

Name: ELECTRO SONIC INC.

Address: 1335 CARLING AVENUE,

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1: #315

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
417320	0
334410	0
416110	0

Company Name	Year of Operation
ELECTRO SONIC INC.	c. 2001
ANIXTER CANADA INC.	c. 2001
ELECTRO SONIC INC.	c. 2005



CITY OF OTTAWA
HLUI ID: __679GKV
AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 14391 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 3316

Related PINS: 040250172

Name: TURNERS SERVICE STATION
Address: 1331 CARLING AVENUE, OTTAWA
Facility Type: Gasoline Service Stations
Comments 1: unit a
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
447110	633
811199	633
447190	633

Company Name

Turners Service Station

Year of Operation

c. 1960-1970



CITY OF OTTAWA

HLUI ID: __679GKV

AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 2331 **Multiple PINS:** N
PIN Certainty: 1 **Previous Activity ID(s) :** 868, 3315, 5707

Related PINS: 040250173

Name: SUN OIL COMPANY LIMITED
Address: 1339 CARLING AVENUE, OTTAWA
Facility Type: Petroleum Products, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks: FIP1948, FIP1956 -Two USTs -gasoline, FIP1956 -Six steel ASTs, FIP1948 -Five steel ASTs

HL References 1: M.1949, M.1957, M.1956, M.1960, M.1970, M.1980; FIP1901,vol2; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640; FIP1956-332-1-1640,vol3; FIP1956-332-2-1640,vol3.

HL References 2:

HL References 3:

NAICS	SIC
412110	511
493120	479
493130	479
447110	633
811199	633
447190	633
493190	479
419120	511
454310	511

Company Name

Year of Operation

BP Oil Ltd.	c. 1970
Barrington Petroleum Products Ltd.	c. 1956-1957
Unnamed Gasoline Service Station and Oiling	c. 1949-1956
Sun Oil Company Ltd.	c. 1948
Barrington Fuel Oil	c. 1960



CITY OF OTTAWA

HLUI ID: __679GKV

AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 4697 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 6958

Related PINS: 040250173

Name: E.B. EDDY FOREST PRODUCTS LIMITED

Address: 1335 CARLING AVENUE, OTTAWA

Facility Type: Other Wood Industries

Comments 1: GEN# = On0009805

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: PID1994

HL References 2:

HL References 3:

NAICS	SIC
321217	259
321216	259
337920	259
321114	259

Company Name

E.B. Eddy Forest Products Ltd.

Year of Operation

c. 1994



CITY OF OTTAWA

HLUI ID: __679GKV

AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7626 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040250173

Name: KIDNEY FOUNDATION-CANADA

Address: 1335 CARLING AVENUE,

Facility Type: Gasoline Service Stations

Comments 1: #101

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811199	0
488410	0

Company Name

KIDNEY FOUNDATION-CANADA

Year of Operation

c. 2005



CITY OF OTTAWA

HLUI ID: __679GKV

AREA (Square Metres): 5231.978

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:25:10

Study Year
1998

PIN
040250173

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 854 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 5097

Related PINS: 040250173

Name: A ZACHARY DENTAL LAB LIMITED
Address: 1335 CARLING AVENUE, OTTAWA
Facility Type: Other Manufactured Products Industries
Comments 1: Unit 400
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3:

NAICS SIC
334610 399

Company Name

A Zachary Dental Lab Ltd.

Year of Operation

c. 1998

Historical Land Use Inventory

Area #3 Activity Numbers

Historical Land Use Inventory

Area #4 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 13308 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 2317

Related PINS: 040250172

Name: SUN OIL CO. LIMITED
Address: 1307 CARLING AVENUE, OTTAWA
Facility Type: Petroleum Products, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, BEP-1950

HL References 2:

HL References 3:

NAICS	SIC
447110	633
454310	511
811199	633
412110	511
419120	511
447190	633

Company Name

Sun Oil Co. Ltd.

Year of Operation

c. 1946-1950



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 13897 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250172

Name: WARLYN CONSTRUCTION LIMITED

Address: 1309 CARLING AVENUE, OTTAWA

Facility Type: Residential Building and Development

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
236110	0

Company Name

WARLYN CONSTRUCTION LIMITED

Year of Operation

c. 2001



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 14391 Multiple PINS: Y
PIN Certainty: 2 Previous Activity ID(s) : 3316

Related PINS: 040250172

Name: TURNERS SERVICE STATION
Address: 1331 CARLING AVENUE, OTTAWA
Facility Type: Gasoline Service Stations
Comments 1: unit a
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980

HL References 2:

HL References 3:

NAICS	SIC
447110	633
811199	633
447190	633

Company Name

Turners Service Station

Year of Operation

c. 1960-1970



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 2331 Multiple PINS: N
PIN Certainty: 1 Previous Activity ID(s) : 868, 3315, 5707

Related PINS: 040250173

Name: SUN OIL COMPANY LIMITED
Address: 1339 CARLING AVENUE, OTTAWA
Facility Type: Petroleum Products, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks: FIP1948, FIP1956 -Two USTs -gasoline, FIP1956 -Six steel ASTs, FIP1948 -Five steel ASTs

HL References 1: M.1949, M.1957, M.1956, M.1960, M.1970, M.1980; FIP1901,vol2; FIP1912,vol2; FIP1922,vol2; FIP1948-332-1640; FIP1956-332-1-1640,vol3; FIP1956-332-2-1640,vol3.

HL References 2:

HL References 3:

NAICS	SIC
412110	511
493120	479
493130	479
447110	633
811199	633
447190	633
493190	479
419120	511
454310	511

Company Name	Year of Operation
BP Oil Ltd.	c. 1970
Barrington Petroleum Products Ltd.	c. 1956-1957
Unnamed Gasoline Service Station and Oiling	c. 1949-1956
Sun Oil Company Ltd.	c. 1948
Barrington Fuel Oil	c. 1960



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 4944 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040250172

Name: DOUBLE D PLUMBING & HEATING

Address: 1309 CARLING AVENUE, OTTAWA

Facility Type: Plumbing, Heating and Air Conditioning, Mechanical Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
238220	0

Company Name

DOUBLE D PLUMBING & HEATING

Year of Operation

c. 2001



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8762 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250172

Name: MOTOPHOTO ONE HOUR

Address: 1309 CARLING AVENUE,

Facility Type: Camera and Photographic Supply Stores

Comments 1: #47

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
812921	0
812922	0

Company Name	Year of Operation
MOTOPHOTO ONE HOUR	c. 2005
MOTOPHOTO ONE HOUR	c. 2001



CITY OF OTTAWA

HLUI ID: __679GGJ

AREA (Square Metres): 36891.666

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:27:35

Study Year
1998

PIN
040250172

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 9759 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040250172

Name: NETTLETON'S JEWELLERY LIMITED

Address: 1309 CARLING AVENUE,

Facility Type: Jewellery Stores and Watch and Jewellery Repair Shops

Comments 1: #17

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
448310	0

Company Name

Year of Operation

NETTLETON'S JEWELLERY LIMITED

c. 2005

NETTLETON'S JEWELLERY LIMITED

c. 2001

Historical Land Use Inventory

Area #5 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679G1N

AREA (Square Metres): 9727.589

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:29:57

Study Year
1998

PIN
040020014

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 6037

Multiple PINS: N

PIN Certainty: 2

Previous Activity ID(s) : 6655

Related PINS: 040020014

Name: FRAZER DUNTILE CO. LIMITED

Address: , OTTAWA

Facility Type: Concrete Products Industries

Comments 1: Located on the south-west corner of Carling and Merivale Rd. This company also maintained a sand pit in Bells Corners in the same year.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: Roy-1952

HL References 2:

HL References 3:

NAICS	SIC
212323	82
327120	351
327320	355
327990	354
327110	351
327330	354
327390	354

Company Name

Frazer Duntile Co. Ltd.

Year of Operation

c. 1927

Historical Land Use Inventory

Area #6 Activity Numbers



CITY OF OTTAWA
HLUI ID: __679FTW

Report: RPTC_OT_DEV0122
 Run On: 25 Nov 2019 at: 10:31:09

AREA (Square Metres): 1703.092

Study Year
1998

PIN
040020015

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 12452 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 5724, 1574, 5712
Related PINS: 040020014

Name: SHERIDAN GARAGE
Address: MERIVALE ROAD, OTTAWA
Facility Type: Motor Vehicle Repair Shops
Comments 1:
Comments 2:

Generator Number:

Storage Tanks: Two USTs in south east corner of property

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1957, M.1960, M.1970, M.1980; FIP1957-412-1232,vol4

HL References 2:

HL References 3:

NAICS	SIC
447110	633
811199	633
447190	633
811121	635
811119	635
811112	635

Company Name	Year of Operation
Unnamed Garage	c. 1957
Western Tire & Auto Supply Ltd.	c. 1960
Sheridan Garage	c. 1940

Historical Land Use Inventory

Area #7 Activity Numbers



CITY OF OTTAWA

HLUI ID: __6799DP

AREA (Square Metres): 2773.468

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:31:52

Study Year
2005

PIN
040020045

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 2379 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020045

Name: CLASS 1 TANK INSTALLATIONS LIMITED

Address: 868 MERIVALE ROAD,

Facility Type: Plumbing, Heating and Air Conditioning, Mechanical Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
238910	0
238210	0
238220	0

Company Name

CLASS 1 TANK INSTALLATIONS LIMITED

Year of Operation

c. 2005



CITY OF OTTAWA

HLUI ID: __6799DP

AREA (Square Metres): 2773.468

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:31:52

Study Year
2005

PIN
040020045

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 6282 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040020045

Name: HAGOPIAN-LOC

Address: 864 MERIVALE ROAD, OTTAWA

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
811210	0

Company Name

HAGOPIAN-LOC

Year of Operation

c. 2001



CITY OF OTTAWA

HLUI ID: __6799DP

AREA (Square Metres): 2773.468

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:31:52

Study Year
2005

PIN
040020045

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 8741 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040020045

Name: MATRIX DM PRODUCTIONS

Address: 868 MERIVALE ROAD,

Facility Type: Motion Picture Laboratories and Video Production Facilities

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
512110	0

Company Name

Year of Operation

SIXTH CHORD PRODUCTIONS INC.

c. 2001

MATRIX DM PRODUCTIONS

c. 2005

Historical Land Use Inventory

Area #8 Activity Numbers



CITY OF OTTAWA

HLUI ID: __6799DQ

AREA (Square Metres): 365.986

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:32:50

Study Year
2005

PIN
040390084

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 3072 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040390084

Name: CARLING PLUMBING

Address: 871 MERIVALE ROAD,

Facility Type: Plumbing, Heating and Air Conditioning, Mechanical Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
238910	0
238220	0
238210	0

Company Name	Year of Operation
CARLING PLUMBING	c. 2001
CARLING PLUMBING	c. 2005

Historical Land Use Inventory

Area #9 Activity Numbers



CITY OF OTTAWA

HLUI ID: __6790KU

AREA (Square Metres): 498.371

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:33:18

Study Year
2005

PIN
040020048

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 607 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040020048

Name: ACT TV & STEREO

Address: 1255 COLDREY AVENUE, OTTAWA

Facility Type: Appliance, Television, Radio and Stereo Stores

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC
443110 0

Company Name

ACT TV & STEREO

Year of Operation

c. 2001



CITY OF OTTAWA

HLUI ID: __6790KU

AREA (Square Metres): 498.371

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:33:18

Study Year
2005

PIN
040020048

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7320 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 040020048

Name: J R - TECH LIMITED

Address: 1255 COLDREY AVENUE, OTTAWA

Facility Type: Electrical and Electronic Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
811210	0

Company Name

J R - TECH LIMITED

Year of Operation

c. 2001

Historical Land Use Inventory

Area #10 Activity Numbers



CITY OF OTTAWA
HLUI ID: __679FDN
AREA (Square Metres): 3956.044

Report: RPTC_OT_DEV0122
 Run On: 25 Nov 2019 at: 10:34:04

Study Year
1998

PIN
040020013

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 12724 **Multiple PINS:** Y
PIN Certainty: 2 **Previous Activity ID(s) :** 1709
Related PINS: 040020012
Name: SEVEN-UP BOTTLING CO. LIMITED
Address: 1314 CARLING AVENUE, OTTAWA
Facility Type: Soft Drink Industry
Comments 1:
Comments 2:
Generator Number:
Storage Tanks: One UST on west side of property
HL References 1: M.1957, M.1958, M.1960, M.1961, M.1964, M.1970, M.1980; S.1958, S.1961, S.1964/65; Roy-1952.
 FIP1957-412-1232,vol4
HL References 2:
HL References 3:

NAICS	SIC
312120	111

Company Name	Year of Operation
Seven-Up Bottling Co. Ltd.	c. 1952-1961



CITY OF OTTAWA

HLUI ID: __679FDN

AREA (Square Metres): 3956.044

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:34:04

Study Year
1998

PIN
040020013

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7108 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020013

Name: INSTALLATIONS GERMAIN PARADIS

Address: 1300 CARLING AVENUE,

Facility Type: Lumber and Building Materials, Wholesale

Comments 1: #308

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
416320	0

Company Name

INSTALLATIONS GERMAIN PARADIS

Year of Operation

c. 2005

Historical Land Use Inventory

Area #11 Activity Numbers



CITY OF OTTAWA

HLUI ID: __670IH1

AREA (Square Metres): 7887.966

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 10:38:25

Study Year
1998

PIN
040020012

Multi-NAIC
Y

Multiple Activities
Y

Activity ID: 7865 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020012

Name: KANAC ELECTRIC
Address: 1316 CARLING AVENUE, OTTAWA
Facility Type: Mechanical Specialty Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
238210	0

Company Name

KANAC ELECTRIC

Year of Operation

c. 2001

Historical Land Use Inventory

Area #12 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679BW3

AREA (Square Metres): 557.342

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:02:23

Study Year
2005

PIN
040020011

Multi-NAIC
N

Multiple Activities
N

Activity ID: 92 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020011

Name: ALTONA DOOR AND WINDOWS
Address: 1267 THAMES STREET, OTTAWA

Facility Type: Household Furniture Stores

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS **SIC**
442110 0

Company Name

ALTONA DOOR AND WINDOWS

Year of Operation

c. 2001

Historical Land Use Inventory

Area #13 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679BWN

AREA (Square Metres): 4213.238

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:03:14

Study Year
2005

PIN
040020005

Multi-NAIC
N

Multiple Activities
N

Activity ID: 13543 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020005

Name: TENAQUIP

Address: 1320 CARLING AVENUE, OTTAWA

Facility Type: Industrial Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
417230	0

Company Name

TENAQUIP

Year of Operation

c. 2001

Historical Land Use Inventory

Area #14 Activity Numbers



CITY OF OTTAWA
HLUI ID: __6790KT
AREA (Square Metres): 4211.706

Report: RPTC_OT_DEV0122
 Run On: 25 Nov 2019 at: 11:05:54

Study Year
2005

PIN
040020092

Multi-NAIC
N

Multiple Activities
N

Activity ID: 13119 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020092

Name: ST ELIZABETH SCHOOL
Address: 1366 COLDREY AVENUE, OTTAWA
Facility Type: Elementary and Secondary Education
Comments 1: SAINT-BONAVENTURE
Comments 2:

Generator Number: ON1285752

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
611110	0

Company Name	Year of Operation
ST ELIZABETH SCHOOL	c. 2005
ST ELIZABETH SCHOOL	c. 2000

Historical Land Use Inventory

Area #15 Activity Numbers



CITY OF OTTAWA

HLUI ID: __67907H

AREA (Square Metres): 949.269

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:06:39

Study Year
2005

PIN
040020078

Multi-NAIC
N

Multiple Activities
N

Activity ID: 9284 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020078

Name: METEOR PAINTERS CONTRACTORS

Address: 1332 THAMES STREET,

Facility Type: Interior and Finishing Work

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
238320	0

Company Name

METEOR PAINTERS CONTRACTORS

Year of Operation

c. 2005

Historical Land Use Inventory

Area #16 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679071

AREA (Square Metres): 650.189

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:08:12

Study Year
2005

PIN
040020079

Multi-NAIC
N

Multiple Activities
N

Activity ID: 8832 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020079

Name: MIKE PROTEAU DRY WALL & PNTNG

Address: 1340 THAMES STREET,

Facility Type: Interior and Finishing Work

Comments 1: #3

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS **SIC**
238320 0

Company Name

MIKE PROTEAU DRY WALL & PNTNG

Year of Operation

c. 2005

Historical Land Use Inventory

Area #17 Activity Numbers



CITY OF OTTAWA
HLUI ID: __67906B
AREA (Square Metres): 290.813

Report: RPTC_OT_DEV0122
 Run On: 25 Nov 2019 at: 11:09:49

Study Year
2005

PIN
040020030

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 1337 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020030

Name: ASPEN TRANSPORTATION LOGISTICS

Address: 1321 THAMES STREET,

Facility Type: Truck Transport Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
484122	0
484231	0
484239	0
484232	0
484121	0
484233	0

Company Name

ASPEN TRANSPORTATION LOGISTICS

Year of Operation

c. 2005

Historical Land Use Inventory

Area #18 Activity Numbers



CITY OF OTTAWA
HLUI ID: __67906F
AREA (Square Metres): 290.856

Report: RPTC_OT_DEV0122
Run On: 25 Nov 2019 at: 11:10:15

Study Year
2005

PIN
040020031

Multi-NAIC
N

Multiple Activities
N

Activity ID: 4052 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 040020031

Name: CUSTOM PLASTICS

Address: 1325 THAMES STREET,

Facility Type: Other Plastic Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
326198	0

Company Name

CUSTOM PLASTICS

Year of Operation

c. 2005

Historical Land Use Inventory

Area #19 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679GTG

AREA (Square Metres): 8394.929

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:08:40

Study Year
1998

PIN
040020019

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 10519 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 3361

Related PINS: 040020019

Name: PERRY'S GARAGE
Address: 1350 CARLING AVENUE, OTTAWA
Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks: Two USTs located on the north side of property

HL References 1: M.1957, M.1960, M.1970, M.1980; FIP411-1776,vol4

HL References 2:

HL References 3:

NAICS	SIC
447190	633
811119	635
811112	635
811121	635
447110	633
811199	633

Company Name	Year of Operation
Perry's Garage/West Service Garage	c. 1960
Day's Garage	c. 1957

Historical Land Use Inventory

Area #20 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679G21

AREA (Square Metres): 10463.346

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:11:09

Study Year
1998

PIN
040020020

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 5789 Multiple PINS: Y

PIN Certainty: 1 Previous Activity ID(s) : 3363

Related PINS: 040020020

Name: GEORGE F. LEFEBVRE
Address: CARLING AVENUE, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: 1384 to 1386

Comments 2:

Generator Number:

Storage Tanks: Three USTs located on the south west corner of property

HL References 1: M.1957, M.1960, M.1970, M.1980; FIP1957-411-1776,vol4

HL References 2:

HL References 3:

NAICS	SIC
447190	633
811199	633
447110	633

Company Name

Unnamed Gasoline Service Station

George F. Lefebvre

Year of Operation

c. 1957

c. 1960



CITY OF OTTAWA

HLUI ID: __679G1L

AREA (Square Metres): 9663.472

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:11:37

Study Year
1998

PIN
040020035

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 5789 Multiple PINS: Y
PIN Certainty: 1 Previous Activity ID(s) : 3363

Related PINS: 040020020

Name: GEORGE F. LEFEBVRE
Address: CARLING AVENUE, OTTAWA
Facility Type: Gasoline Service Stations
Comments 1: 1384 to 1386
Comments 2:

Generator Number:

Storage Tanks: Three USTs located on the south west corner of property

HL References 1: M.1957, M.1960, M.1970, M.1980; FIP1957-411-1776,vol4

HL References 2:

HL References 3:

NAICS	SIC
447190	633
811199	633
447110	633

Company Name	Year of Operation
Unnamed Gasoline Service Station	c. 1957
George F. Lefebvre	c. 1960

Historical Land Use Inventory

Area #21 Activity Numbers



CITY OF OTTAWA

HLUI ID: __679EVF

AREA (Square Metres): 619.878

Report: RPTC_OT_DEV0122

Run On: 25 Nov 2019 at: 11:12:27

Study Year
1998

PIN
040020036

Multi-NAIC
Y

Multiple Activities
N

Activity ID: 10141 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 5077

Related PINS: 040020036

Name: P B FRASER AND ASSOCIATES

Address: 824 MEATH STREET, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3:

NAICS	SIC
811121	635
811119	635
811112	635
488410	639

Company Name

P B Fraser and Associates

Year of Operation

c. 1998

Mandy Witteman

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: November-08-19 7:41 AM
To: Mandy Witteman
Subject: RE: Search records request (PE4789)

Follow Up Flag: Flag for follow up
Flag Status: Flagged

No Records Found

Thank you for your request for confirmation of public information.

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

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

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

Kind regards,



Connie Hill | Public Information Agent

Facilities

345 Carlingview Drive
Toronto, Ontario M9W 6N9

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

www.tssa.org



From: Mandy Witteman <MWitteman@Patersongroup.ca>
Sent: November 7, 2019 3:40 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Search records request (PE4789)

Good afternoon,

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, ON:**

Carling Ave: 1130, 1316, 1320, 1354, 1376, 1335, 1309, 1296
Archibald St: 815, 819,

Thank you!

Cheers,

Mandy Witteman, B. Eng., M.A.Sc.

patersongroup
solution oriented engineering
over 60 years servicing our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 339
Cell: (403) 921-1157

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DATABASE REPORT

Project Property: *1330 Carling Avenue and 815 Archibald Street
1330 Carling Ave and 815 Archibald St
Ottawa ON K1Z 7K8*

Project No: *PO# 29447*

Report Type: *Standard Report*

Order No: *20200205796*

Requested by: *Paterson Group Inc.*

Date Completed: *February 7, 2020*

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Executive Summary

Property Information:

Project Property: 1330 Carling Avenue and 815 Archibald Street
1330 Carling Ave and 815 Archibald St Ottawa ON K1Z 7K8

Project No: PO# 29447

Coordinates:

Latitude: 45.3850336
Longitude: -75.7352787
UTM Northing: 5,025,987.12
UTM Easting: 442,438.25
UTM Zone: 18T

Elevation: 239 FT
72.88 M

Order Information:

Order No: 20200205796
Date Requested: February 5, 2020
Requested by: Paterson Group Inc.
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	11	11
CA	<i>Certificates of Approval</i>	Y	1	4	5
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	2	2
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	2	17	19
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FED TANKS	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	81	81
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	8	8
PINC	<i>Pipeline Incidents</i>	Y	0	5	5
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	6	6
SPL	<i>Ontario Spills</i>	Y	0	7	7
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	25	25
Total:			3	166	169

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	CA	1117018 ONTARIO LIMITED	1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	-/0.0	0.00	40
1	EHS		1330 Carling Avenue Ottawa ON K1Z 7K8	-/0.0	0.00	40
1	EHS		1330 Carling Ave Ottawa ON K1Z7K8	-/0.0	0.00	40

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		Ottawa ON <i>Well ID:</i> 7138932	ESE/24.5	0.00	40
3	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE/36.6	0.00	46
3	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE/36.6	0.00	47
3	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON	NE/36.6	0.00	47
3	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	47
3	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	47
3	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	48
3	GEN	Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	48
3	GEN	Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE/36.6	0.00	48
4	BORE		ON	SSE/46.6	0.00	49
5	WWIS		ON <i>Well ID:</i> 1507810	SSE/46.8	0.00	50
6	CA	OTTAWA CITY	ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	WNW/51.3	0.00	52

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	WWIS		ON Well ID: 1507809	SSE/68.9	0.00	52
8	BORE		ON	SW/69.6	0.00	55
9	WWIS		lot 28 con 2 ON Well ID: 1510605	SW/69.6	0.00	56
10	BORE		ON	NNW/73.0	0.00	58
11	WWIS		Ottawa ON Well ID: 7276789	ENE/80.7	0.00	59
12	CA	Triole Investments Limited	1316 Carling Avenue Ottawa ON K1Z 7L1	ENE/81.0	0.00	62
12	EHS		1316 Carling Ave Ottawa ON K1Z7L1	ENE/81.0	0.00	62
12	ECA	Triole Investments Limited	1316 Carling Avenue Ottawa ON K2J 4A9	ENE/81.0	0.00	63
12	GEN	Homestead Land Holdings	1316 Carling Ave Ottawa ON K1Z 7L1	ENE/81.0	0.00	63
13	WWIS		Ottawa ON Well ID: 7282860	NNW/81.2	0.00	63
14	EHS		1316 Carling Avenue Ottawa ON K1Z 7L1	E/84.3	0.00	66
15	WWIS		Ottawa ON Well ID: 7282861	WNW/86.4	0.00	66
16	BORE		ON	W/88.1	0.00	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
17	WWIS		Ottawa ON <i>Well ID: 7276790</i>	ENE/90.5	0.00	71
18	EHS		1335 Carling Ave Ottawa ON K1Z8N8	NW/101.5	0.00	74
19	SCT	Zachary A Dental Lab Ltd.	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW/101.5	0.00	74
19	EHS		1335 Carling Ave. Ottawa ON K1Z 8N8	NW/101.5	0.00	74
19	SCT	A. Zachary Dental Laboratory	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW/101.5	0.00	74
19	SCT	Echo Dental Lab Ltd.	1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	NW/101.5	0.00	74
19	GEN	Milident Inc.	550-1335 Carling Avenue Ottawa ON K1Z 8N8	NW/101.5	0.00	75
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	75
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	75
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	76
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	76
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	76
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON	NW/101.5	0.00	77

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON	NW/101.5	0.00	77
19	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	77
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	77
19	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	78
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	78
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	78
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	79
19	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	79
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	79
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	80
19	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	80
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	80
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	81

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW/101.5	0.00	81
19	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW/101.5	0.00	81
19	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW/101.5	0.00	82
20	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE OTTAWA ON K1Z 7L3	NNE/105.3	0.00	82
20	GEN	Your Independant Grocer	1321 Carling Avenue Ottawa ON	NNE/105.3	0.00	82
20	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNE/105.3	0.00	82
21	WWIS		OTTAWA ON Well ID: 7267593	NNW/109.2	0.00	83
22	BORE		ON	NNE/109.6	0.00	86
23	WWIS		OTTAWA ON Well ID: 7267592	NNW/128.1	0.00	87
24	WWIS		Ottawa ON Well ID: 7282862	NW/134.7	0.00	90
25	SCT	Thermal Insulation Association	1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	ENE/136.8	0.00	93
26	PINC		1282 Thames Street, Ottawa ON	SE/137.3	0.69	93
27	PINC		1270 Thames Street, Ottawa ON	ESE/141.5	0.00	94

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
28	WWIS		OTTAWA ON <i>Well ID: 7267545</i>	N/143.7	0.00	94
29	SCT	EVERT COMMUNICATIONS LIMITED	1296 CARLING AVE OTTAWA ON K1Z 7K8	ENE/145.0	0.80	97
29	GEN	Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE/145.0	0.80	98
29	GEN	Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE/145.0	0.80	98
30	WWIS		OTTAWA ON <i>Well ID: 7267547</i>	NNW/149.1	0.00	98
31	PINC		1262 Thames Street, Ottawa ON	ESE/152.9	0.00	101
32	WWIS		OTTAWA ON <i>Well ID: 7267591</i>	NNE/155.4	0.00	102
33	SPL	TRANSPORT TRUCK	1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	WSW/157.2	1.00	105
34	PES	NATIONAL GROCERS CO. LTD. /WESTGATE YOUR IND. GROCER	1321 CARLING AVENUE OTTAWA ON K1Z7L3	NNW/157.4	-1.00	105
34	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNW/157.4	-1.00	105
35	SPL	PRIVATE OWNER	IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	SSE/158.3	1.00	106
36	WWIS		lot 33 con 1 ON <i>Well ID: 1503974</i>	WSW/161.3	1.00	106

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
37	EHS		1308 Thames Ottawa ON	S/167.4	1.00	108
38	WWIS		lot I con A ON Well ID: 7152275	E/180.5	1.09	109
39	SCT	Custom Plastics Inc.	1325 Thames St Ottawa ON K1Z 7N2	SW/185.6	1.00	109
40	WWIS		Ottawa ON Well ID: 7194995	ESE/191.2	1.08	110
40	WWIS		OTTAWA ON Well ID: 7195098	ESE/191.2	1.08	112
41	EHS		1279 Coldrey Ave Ottawa ON K1Z7P6	SSE/193.7	1.00	114
42	PINC		858 Merivale Road, Ottawa ON	E/194.3	1.08	114
43	EHS		1303 Coldrey Ave Ottawa ON K1Z7P6	S/199.1	1.00	115
44	EHS		878 Merivale Rd Ottawa ON K1Z5Z6	ESE/201.0	0.22	115
45	BORE		ON	W/205.2	1.00	115
46	BORE		ON	W/207.9	0.69	117
47	SPL	GROCERY STORE	AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	NNE/211.9	0.00	119
47	PES	WESTGATE HOME HARDWARE	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	119

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
47	GEN	R. WHITE (SEE & USE ON2588408)	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	120
47	GEN	SHOPPERS DRUG MART	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	120
47	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	120
47	GEN	RIOCAN HOLDINGS INC	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	121
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	121
47	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE/211.9	0.00	121
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	122
47	GEN	riocan management	1309 carling ave ottawa ON K1Z 7L3	NNE/211.9	0.00	122
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	122
47	GEN	Narmin Jalaldin Drugs Mart Limited	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	123
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	123
47	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z7L3	NNE/211.9	0.00	123
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	124

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
47	GEN	Riocan Management	1309 Carling Ave Ottawa ON	NNE/211.9	0.00	124
47	GEN	Riocan Management	1309 Carling Ave Ottawa ON	NNE/211.9	0.00	124
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON	NNE/211.9	0.00	125
47	EHS		1309 Carling Ave Ottawa ON K1Z0A5	NNE/211.9	0.00	125
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	126
47	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	126
47	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	126
47	GEN	Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	126
47	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	127
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	127
47	GEN	Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	128
47	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	129
47	GEN	Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	129

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	130
47	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	130
47	GEN	Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	130
47	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	131
47	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	131
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	131
47	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE/211.9	0.00	132
47	GEN	Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE/211.9	0.00	132
47	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	133
47	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE/211.9	0.00	133
48	WWIS		Ottawa ON Well ID: 7217444	E/212.2	1.01	133
49	BORE		ON	NW/214.9	0.00	136
50	BORE		ON	W/216.3	0.69	138

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
51	EHS		Meath Street Ottawa ON	WSW/216.3	1.00	140
52	EHS		858, 864-868 Merivale, 1246 Thames Ottawa ON	E/216.4	1.00	141
53	EHS		1255 Coldrey Avenue Ottawa ON	ESE/217.2	0.79	141
54	WWIS		Ottawa ON Well ID: 7217443	E/217.7	1.01	141
55	GEN	Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE/221.5	1.20	144
55	GEN	Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE/221.5	1.20	144
55	EHS		1274 Carling Ave Ottawa ON K1Z7K8	ENE/221.5	1.20	144
56	EHS		1255 Carling Avenue Ottawa ON	NNE/221.8	0.00	145
57	WWIS		ON Well ID: 7264815	WSW/224.4	1.00	145
58	WWIS		OTTAWA ON Well ID: 7302288	WSW/229.3	1.00	145
59	CA	OTTAWA CITY - LEASIDE AVE. /WOODWARD DR.	MERIVALE RD./THAMES ST. OTTAWA CITY ON	E/230.2	0.92	148
60	SPL	SHELL CANADA PRODUCTS LTD.	900 MERIVALE RD. TANK TRUCK (CARGO) OTTAWA CITY ON K1Z 5Z8	SE/241.1	1.00	148
60	SPL	SHELL CANADA PRODUCTS LTD.	900 MERIVALLE ROAD SCHOOL FURNACE OIL TANK TANK TRUCK (CARGO) OTTAWA CITY ON	SE/241.1	1.00	149

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
60	EHS		900 Merivale Rd Ottawa ON K1Z 5Z8	SE/241.1	1.00	149
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	150
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	150
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	150
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON	SE/241.1	1.00	151
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	151
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	151
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	152
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	152
60	GEN	Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE/241.1	1.00	152
61	WWIS		lot 33 con 2 ON Well ID: 1510612	SE/243.0	1.00	153
62	PINC		853 Merivale Road, Ottawa ON	E/243.7	1.05	155
63	WWIS		OTTAWA ON	WSW/244.2	1.00	155

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7302287			
64	SPL	Shred-It Canada Corporation Inc.	858 Meath St. Ottawa ON	SW/244.8	1.72	158
65	SPL		1311 Couldrey Ave Ottawa ON	S/246.7	1.00	158
66	GEN	1062473 ONTARIO INC	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW/247.8	1.00	159
66	GEN	1062473 ONTARIO Inc.	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW/247.8	1.00	159
66	CA	6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW/247.8	1.00	159
66	EHS		1400 Carling Avenue Ottawa ON K1Z 7L8	WSW/247.8	1.00	160
66	ECA	6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW/247.8	1.00	160
66	GEN	Embassy West Senior Living	1400 Carling Ave Ottawa ON K1Z 7L8	WSW/247.8	1.00	160
66	EHS		1400 Carling Ave Ottawa ON K1Z7L8	WSW/247.8	1.00	161
67	BORE		ON	SSW/249.3	1.69	161
68	WWIS		ON	SSW/249.4	1.69	162
			Well ID: 1508043			
69	BORE		ON	W/249.9	1.00	164

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 11 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SSE	46.64	<u>4</u>
	ON	SW	69.56	<u>8</u>
	ON	NNW	72.97	<u>10</u>
	ON	W	88.09	<u>16</u>
	ON	NNE	109.61	<u>22</u>
	ON	W	205.22	<u>45</u>
	ON	W	207.95	<u>46</u>
	ON	NW	214.87	<u>49</u>
	ON	W	216.34	<u>50</u>
	ON	SSW	249.33	<u>67</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	249.89	69

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
1117018 ONTARIO LIMITED	1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	-	0.00	1
OTTAWA CITY	ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	WNW	51.31	6
Triole Investments Limited	1316 Carling Avenue Ottawa ON K1Z 7L1	ENE	81.04	12
OTTAWA CITY - LEASIDE AVE. WOODWARD DR.	MERIVALE RD./THAMES ST. OTTAWA CITY ON	E	230.18	59
6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW	247.81	66

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Dec 31, 2019 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Triole Investments Limited	1316 Carling Avenue Ottawa ON K2J 4A9	ENE	81.04	12
6512062 Canada Inc.	1400 Carling Ave Ottawa ON K1Z 7L8	WSW	247.81	66

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2019 has found that there are 19 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1330 Carling Ave Ottawa ON K1Z7K8	-	0.00	<u>1</u>
	1330 Carling Avenue Ottawa ON K1Z 7K8	-	0.00	<u>1</u>
	1316 Carling Ave Ottawa ON K1Z7L1	ENE	81.04	<u>12</u>
	1316 Carling Avenue Ottawa ON K1Z 7L1	E	84.31	<u>14</u>
	1335 Carling Ave Ottawa ON K1Z8N8	NW	101.49	<u>18</u>
	1335 Carling Ave. Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
	1308 Thames Ottawa ON	S	167.41	<u>37</u>
	1279 Coldrey Ave Ottawa ON K1Z7P6	SSE	193.65	<u>41</u>
	1303 Coldrey Ave Ottawa ON K1Z7P6	S	199.14	<u>43</u>
	878 Merivale Rd Ottawa ON K1Z5Z6	ESE	201.02	<u>44</u>
	1309 Carling Ave Ottawa ON K1Z0A5	NNE	211.89	<u>47</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Meath Street Ottawa ON	WSW	216.35	51
	858, 864-868 Merivale, 1246 Thames Ottawa ON	E	216.43	52
	1255 Coldrey Avenue Ottawa ON	ESE	217.19	53
	1274 Carling Ave Ottawa ON K1Z7K8	ENE	221.53	55
	1255 Carling Avenue Ottawa ON	NNE	221.77	56
	900 Merivale Rd Ottawa ON K1Z 5Z8	SE	241.14	60
	1400 Carling Ave Ottawa ON K1Z7L8	WSW	247.81	66
	1400 Carling Avenue Ottawa ON K1Z 7L8	WSW	247.81	66

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2019 has found that there are 81 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE	36.64	3
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	NE	36.64	3

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Canadian Addiction Treatment Clinics LP	1318 Carling Avenue Ottawa ON K1Z7K8	NE	36.64	<u>3</u>
Homestead Land Holdings	1316 Carling Ave Ottawa ON K1Z 7L1	ENE	81.04	<u>12</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	19
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON	NW	101.51	19
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON	NW	101.51	19
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	19
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	19
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	19
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	19
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	19
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	19
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	19
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	19
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	19

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Milident Inc.	550-1335 Carling Avenue Ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	NW	101.51	<u>19</u>
Your Independant Grocer	1321 Carling Avenue Ottawa ON	NNE	105.25	<u>20</u>
Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE	145.00	<u>29</u>
Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	ENE	145.00	<u>29</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
riocan management	1309 carling ave ottawa ON K1Z 7L3	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Narmin Jalaldin Drugs Mart Limited	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Riocan Management	1309 Carling Ave Ottawa ON	NNE	211.89	47
Riocan Management	1309 Carling Ave Ottawa ON	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	47
Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	47

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	47
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	47
Riocan REIT	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	47
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	47
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	47

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Riocan Holdings Inc.	1309 Carling Ave Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
R. WHITE (SEE & USE ON2588408)	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
SHOPPERS DRUG MART	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
RIOCAN HOLDINGS INC	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	<u>47</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	NNE	211.89	<u>47</u>
Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE	221.53	<u>55</u>
Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	ENE	221.53	<u>55</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	<u>60</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	60
Carlington Community Health Centre	900 Merivale Road Ottawa ON	SE	241.14	60
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	60
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	60
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	60
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	60
Carlington Community Health Centre	900 Merivale Road Ottawa ON K1Z 5Z8	SE	241.14	60
1062473 ONTARIO INC	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW	247.81	66
1062473 ONTARIO Inc.	1400 CARLING AVENUE OTTAWA ON K1Z 7L8	WSW	247.81	66
Embassy West Senior Living	1400 Carling Ave Ottawa ON K1Z 7L8	WSW	247.81	66

PES - Pesticide Register

A search of the PES database, dated 1988-Dec 2019 has found that there are 8 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE OTTAWA ON K1Z 7L3	NNE	105.25	20
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNE	105.25	20
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE	211.89	47
WESTGATE HOME HARDWARE	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	NNE	211.89	47
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z7L3	NNE	211.89	47
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	NNE	211.89	47

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	NNW	157.40	34
NATIONAL GROCERS CO. LTD. /WESTGATE YOUR IND. GROCER	1321 CARLING AVENUE OTTAWA ON K1Z7L3	NNW	157.40	34

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 5 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1282 Thames Street, Ottawa ON	SE	137.30	26

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1270 Thames Street, Ottawa ON	ESE	141.48	27
	1262 Thames Street, Ottawa ON	ESE	152.94	31
	858 Merivale Road, Ottawa ON	E	194.32	42
	853 Merivale Road, Ottawa ON	E	243.66	62

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 6 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Zachary A Dental Lab Ltd.	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW	101.51	19
A. Zachary Dental Laboratory	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	NW	101.51	19
Echo Dental Lab Ltd.	1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	NW	101.51	19
Thermal Insulation Association	1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	ENE	136.77	25
EVERT COMMUNICATIONS LIMITED	1296 CARLING AVE OTTAWA ON K1Z 7K8	ENE	145.00	29
Custom Plastics Inc.	1325 Thames St Ottawa ON K1Z 7N2	SW	185.62	39

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2019 has found that there are 7 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
TRANSPORT TRUCK	1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	WSW	157.17	<u>33</u>
PRIVATE OWNER	IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	SSE	158.25	<u>35</u>
GROCERY STORE	AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	NNE	211.89	<u>47</u>
SHELL CANADA PRODUCTS LTD.	900 MERIVALLE ROAD SCHOOL FURNACE OIL TANK TANK TRUCK (CARGO) OTTAWA CITY ON	SE	241.14	<u>60</u>
SHELL CANADA PRODUCTS LTD.	900 MERIVALE RD. TANK TRUCK (CARGO) OTTAWA CITY ON K1Z 5Z8	SE	241.14	<u>60</u>
Shred-It Canada Corporation Inc.	858 Meath St. Ottawa ON	SW	244.82	<u>64</u>
	1311 Couldrey Ave Ottawa ON	S	246.71	<u>65</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 25 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON <i>Well ID: 7138932</i>	ESE	24.51	<u>2</u>
	ON	SSE	46.81	<u>5</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1507810			
	ON	SSE	68.88	<u>7</u>
	<i>Well ID:</i> 1507809			
	lot 28 con 2 ON	SW	69.64	<u>9</u>
	<i>Well ID:</i> 1510605			
	Ottawa ON	ENE	80.71	<u>11</u>
	<i>Well ID:</i> 7276789			
	Ottawa ON	NNW	81.19	<u>13</u>
	<i>Well ID:</i> 7282860			
	Ottawa ON	WNW	86.41	<u>15</u>
	<i>Well ID:</i> 7282861			
	Ottawa ON	ENE	90.54	<u>17</u>
	<i>Well ID:</i> 7276790			
	OTTAWA ON	NNW	109.17	<u>21</u>
	<i>Well ID:</i> 7267593			
	OTTAWA ON	NNW	128.11	<u>23</u>
	<i>Well ID:</i> 7267592			
	Ottawa ON	NW	134.69	<u>24</u>
	<i>Well ID:</i> 7282862			
	OTTAWA ON	N	143.69	<u>28</u>
	<i>Well ID:</i> 7267545			
	OTTAWA ON	NNW	149.10	<u>30</u>
	<i>Well ID:</i> 7267547			

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	OTTAWA ON <i>Well ID: 7267591</i>	NNE	155.37	<u>32</u>
	lot 33 con 1 ON <i>Well ID: 1503974</i>	WSW	161.29	<u>36</u>
	lot 1 con A ON <i>Well ID: 7152275</i>	E	180.50	<u>38</u>
	OTTAWA ON <i>Well ID: 7195098</i>	ESE	191.17	<u>40</u>
	Ottawa ON <i>Well ID: 7194995</i>	ESE	191.17	<u>40</u>
	Ottawa ON <i>Well ID: 7217444</i>	E	212.21	<u>48</u>
	Ottawa ON <i>Well ID: 7217443</i>	E	217.75	<u>54</u>
	ON <i>Well ID: 7264815</i>	WSW	224.44	<u>57</u>
	OTTAWA ON <i>Well ID: 7302288</i>	WSW	229.29	<u>58</u>
	lot 33 con 2 ON <i>Well ID: 1510612</i>	SE	243.02	<u>61</u>
	OTTAWA ON <i>Well ID: 7302287</i>	WSW	244.17	<u>63</u>
	ON	SSW	249.45	<u>68</u>

Equal/Higher Elevation

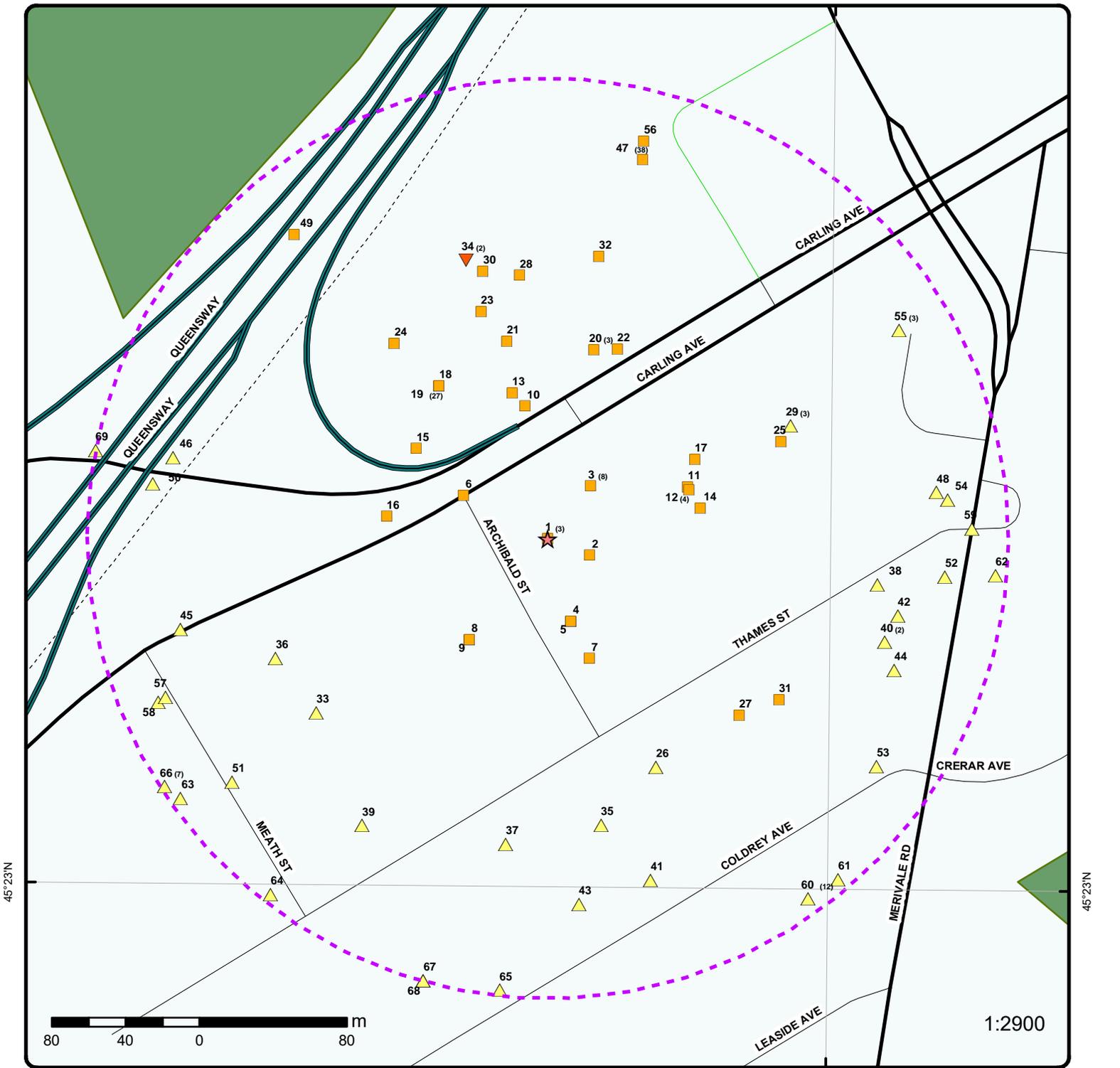
Address

Direction

Distance (m)

Map Key

Well ID: 1508043



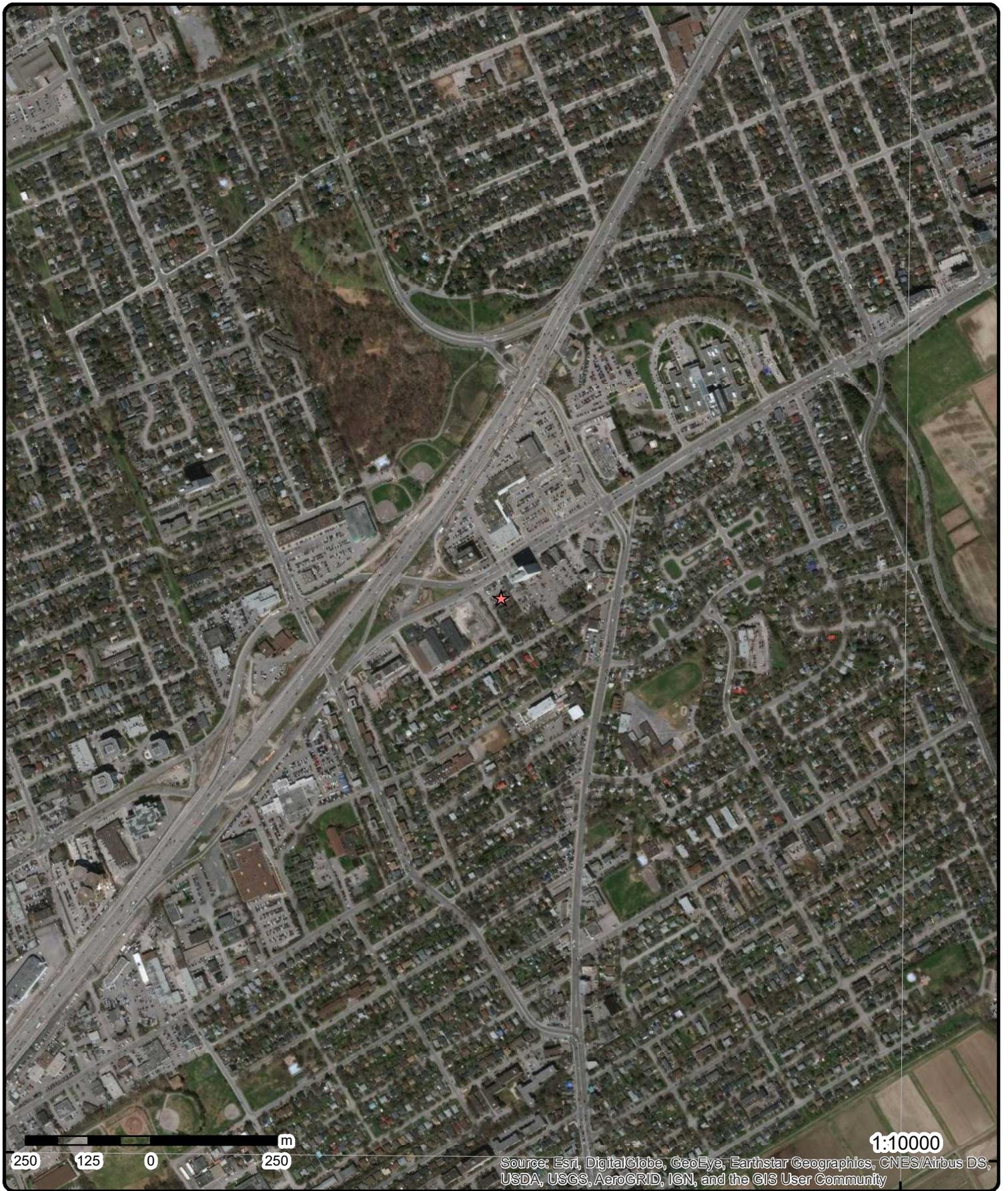
Map : 0.25 Kilometer Radius

Order Number: 20200205796

Address: 1330 Carling Ave and 815 Archibald St, Ottawa, ON



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



45°22'30"N

250 125 0 250 m

1:10000

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

45°22'30"N

Aerial Year: 2019

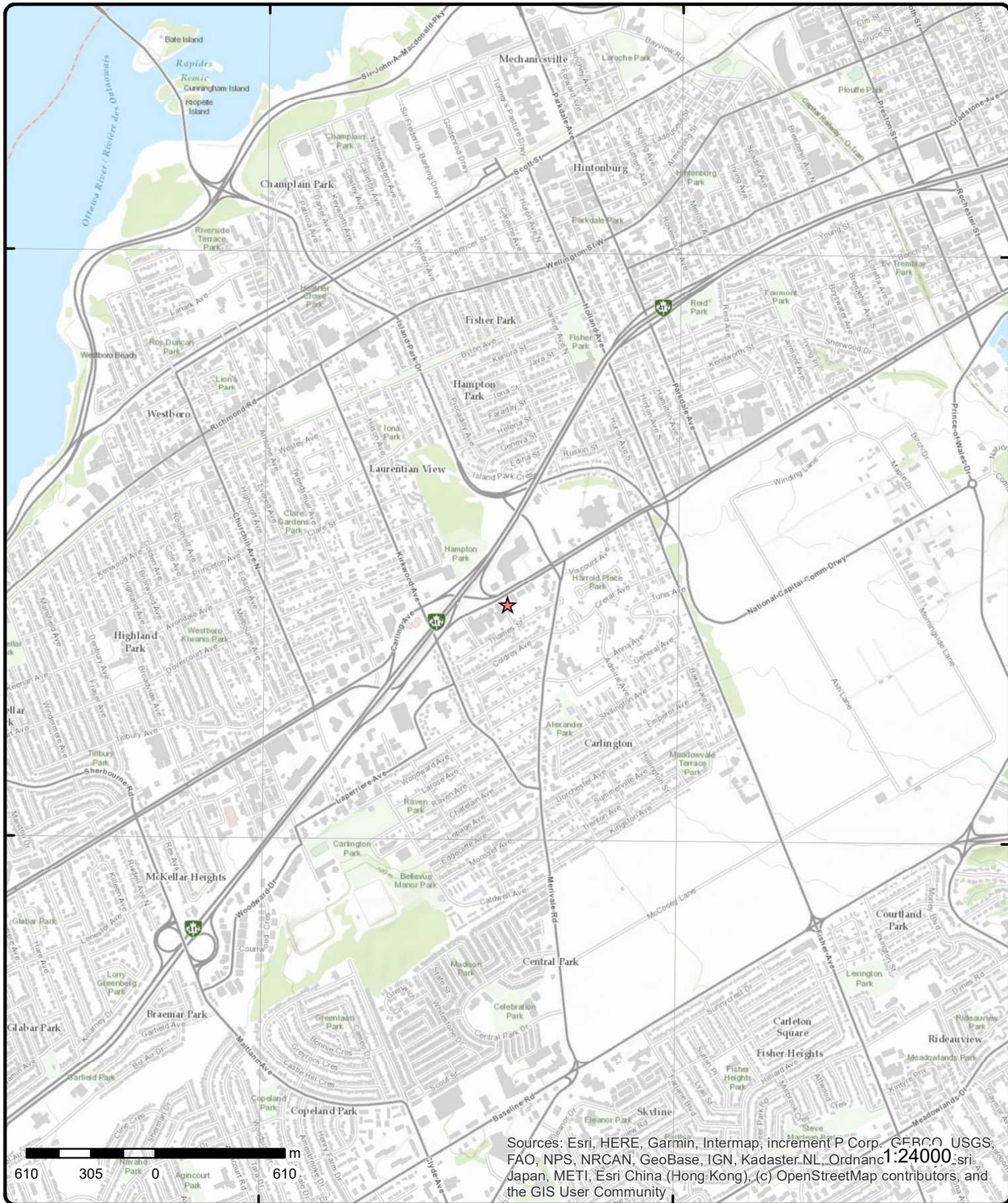
Address: 1330 Carling Ave and 815 Archibald St, Ottawa, ON

Source: ESRI World Imagery

Order Number: 20200205796



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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster, NL, Ordnance Survey, Esri, Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: 1330 Carling Ave and 815 Archibald St, ON

Source: ESRI World Topographic Map

Order Number: 20200205796



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 3	-/0.0	72.9 / 0.00	1117018 ONTARIO LIMITED 1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	CA
<p>Certificate #: 3-0579-97- Application Year: 97 Issue Date: 6/24/1997 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:</p>					
<u>1</u>	2 of 3	-/0.0	72.9 / 0.00	1330 Carling Avenue Ottawa ON K1Z 7K8	EHS
<p>Order No: 20080624004 Status: C Report Type: Custom Report Report Date: 7/4/2008 Date Received: 6/24/2008 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps And /or Site Plans</p> <p>Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.735442 Y: 45.385291</p>					
<u>1</u>	3 of 3	-/0.0	72.9 / 0.00	1330 Carling Ave Ottawa ON K1Z7K8	EHS
<p>Order No: 20140616018 Status: C Report Type: Standard Report Report Date: 24-JUN-14 Date Received: 16-JUN-14 Previous Site Name: Shell Gas Station Lot/Building Size: 0.49 acres Additional Info Ordered:</p> <p>Nearest Intersection: Municipality: Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.735434 Y: 45.38516</p>					
<u>2</u>	1 of 1	ESE/24.5	72.9 / 0.00	Ottawa ON	WWIS
<p>Well ID: 7138932 Construction Date: Primary Water Use: Monitoring Sec. Water Use: Final Well Status: Test Hole</p> <p>Data Entry Status: Data Src: Date Received: 1/28/2010 Selected Flag: Yes Abandonment Rec:</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Contractor:	1844
Casing Material:				Form Version:	5
Audit No:	M05542			Owner:	
Tag:	A090600			Street Name:	THAMES ST
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1002931421	Elevation:	73.50962
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442461
Code OB Desc:		North83:	5025978
Open Hole:	N	Org CS:	UTM83
Cluster Kind:		UTMRC:	5
Date Completed:	11/30/2009	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1003262879
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	84
Other Materials:	SILTY
Formation Top Depth:	3.6
Formation End Depth:	6.1
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1003262875
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Formation Top Depth:			0		
Formation End Depth:			0.1		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1003262878		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			84		
Other Materials:			SILTY		
Mat3:					
Other Materials:					
Formation Top Depth:			1.5		
Formation End Depth:			3.6		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1003262876		
Layer:			2		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			11		
Other Materials:			GRAVEL		
Mat3:			66		
Other Materials:			DENSE		
Formation Top Depth:			0.1		
Formation End Depth:			0.9		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1003262877		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Other Materials:					
Mat3:			84		
Other Materials:			SILTY		
Formation Top Depth:			0.9		
Formation End Depth:			1.5		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:			1003262881		
Layer:			1		
Plug From:			0		

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Plug To:</i>	3				
<i>Plug Depth UOM:</i>	m				
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>					
<i>Method Construction Code:</i>	F				
<i>Method Construction:</i>	H.S.A.				
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>	1003262874				
<i>Casing No:</i>	0				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	1003262882				
<i>Layer:</i>	1				
<i>Material:</i>	5				
<i>Open Hole or Material:</i>	PLASTIC				
<i>Depth From:</i>	0				
<i>Depth To:</i>	6.1				
<i>Casing Diameter:</i>	5.1				
<i>Casing Diameter UOM:</i>	cm				
<i>Casing Depth UOM:</i>	m				
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>	1003262883				
<i>Layer:</i>	1				
<i>Slot:</i>	10				
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>	5				
<i>Screen Depth UOM:</i>	m				
<i>Screen Diameter UOM:</i>	cm				
<i>Screen Diameter:</i>	5.8				
<u>Hole Diameter</u>					
<i>Hole ID:</i>	1003262880				
<i>Diameter:</i>	20				
<i>Depth From:</i>	0				
<i>Depth To:</i>	6.1				
<i>Hole Depth UOM:</i>	m				
<i>Hole Diameter UOM:</i>	cm				
<u>Bore Hole Information</u>					
<i>Bore Hole ID:</i>	1003262856			<i>Elevation:</i>	75.076675
<i>DP2BR:</i>				<i>Elevrc:</i>	
<i>Spatial Status:</i>				<i>Zone:</i>	18
<i>Code OB:</i>				<i>East83:</i>	442562
<i>Code OB Desc:</i>				<i>North83:</i>	5025940
<i>Open Hole:</i>				<i>Org CS:</i>	UTM83
<i>Cluster Kind:</i>	This is a record from cluster log sheet			<i>UTMRC:</i>	4
<i>Date Completed:</i>	11/30/2009			<i>UTMRC Desc:</i>	margin of error : 30 m - 100 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Remarks:				Location Method:	WWF
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003262860			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003262861			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003262863			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		3			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003262862			
Layer:					
Slot:					
Screen Top Depth:		3			
Screen End Depth:		6.1			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003262864			
Pump Set At:					
Static Level:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: Rate UOM: Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:					
<u>Hole Diameter</u>					
Hole ID:	1003262858				
Diameter:	20				
Depth From:					
Depth To:	6.1				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<u>Bore Hole Information</u>					
Bore Hole ID:	1003262865			Elevation:	74.362289
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442325
Code OB Desc:				North83:	5025798
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	12/1/2009			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003262869				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:					
Method Construction:					
Other Method Construction:	HSA				
<u>Pipe Information</u>					
Pipe ID:	1003262870				
Casing No:	0				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003262872
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003262871
Layer:
Slot:
Screen Top Depth: 2
Screen End Depth: 5.1
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003262873
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003262867
Diameter: 20
Depth From:
Depth To: 5.1
Hole Depth UOM: m
Hole Diameter UOM: cm

3	1 of 8	NE/36.6	72.9 / 0.00	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z 7K8	GEN
<i>Generator No:</i>	ON4615739			<i>PO Box No:</i>	
<i>Status:</i>				<i>Country:</i>	
<i>Approval Years:</i>	2011			<i>Choice of Contact:</i>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: 621420 SIC Description:				Co Admin: Phone No Admin:	
<u>3</u>	2 of 8	NE/36.6	72.9 / 0.00	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator No: ON4615739 Status: Approval Years: 2012 Contam. Facility: MHSW Facility: SIC Code: 621420 SIC Description: Out-Patient Mental Health and Substance Abuse Centres				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>3</u>	3 of 8	NE/36.6	72.9 / 0.00	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON	GEN
Generator No: ON4615739 Status: Approval Years: 2013 Contam. Facility: MHSW Facility: SIC Code: 621420 SIC Description: OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>3</u>	4 of 8	NE/36.6	72.9 / 0.00	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z7K8	GEN
Generator No: ON4615739 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 621420 SIC Description: OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Rhonda Daiter Phone No Admin: 4168166110 Ext.	
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>3</u>	5 of 8	NE/36.6	72.9 / 0.00	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z7K8	GEN
Generator No: ON4615739 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 621420				PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Rhonda Daiter Phone No Admin: 4168166110 Ext.	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:		OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>3</u>	6 of 8	NE/36.6	72.9 / 0.00	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z7K8	GEN
Generator No:		ON4615739		PO Box No:	
Status:				Country: Canada	
Approval Years:		2014		Choice of Contact: CO_OFFICIAL	
Contam. Facility:		No		Co Admin: Rhonda Daiter	
MHSW Facility:		No		Phone No Admin: 4168166110 Ext.	
SIC Code:		621420			
SIC Description:		OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>3</u>	7 of 8	NE/36.6	72.9 / 0.00	Canadian Addiction Treatment Clinics LP 1318 Carling Avenue Ottawa ON K1Z7K8	GEN
Generator No:		ON4615739		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Dec 2018		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
<u>3</u>	8 of 8	NE/36.6	72.9 / 0.00	Canadian Addiction Treatment Clinics LP 1318 Carling Avenue Ottawa ON K1Z7K8	GEN
Generator No:		ON4615739		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Oct 2019		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>4</u>	1 of 1	SSE/46.6	72.9 / 0.00	ON	BORE
Borehole ID:	612912			Inclin FLG:	No
OGF ID:	215514218			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAY-1950			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.38463
Total Depth m:	6.7			Longitude DD:	-75.735115
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442451
Drill Method:				Northing:	5025942
Orig Ground Elev m:	76.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	73.6				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218392946			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				
Geology Stratum ID:	218392947			Mat Consistency:	Stiff
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	6.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Gravel			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	GRAVEL. 00022AL. BROWN,STIFF. CLAY. GREY,BROWN, STIFF TO VERY STIFF,WEATHERED.CLAY. GREY,S **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 05420 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	Horizontal Datum:	NAD27
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

<u>5</u>	1 of 1	SSE/46.8	72.9 / 0.00	ON	WWIS
Well ID:	1507810			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	8/8/1951
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3725
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10029845	Elevation:	73.554824
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:	0	East83:	442450.7
Code OB Desc:	Overburden	North83:	5025942
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	5/15/1950	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931008085
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931008086			
Layer:		2			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		4			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10578415			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930052354			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		22			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991507810			
Pump Set At:					
Static Level:		2			
Final Level After Pumping:		3			
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration MIN:					
Flowing:		N			
Water Details					
Water ID:		933462072			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		22			
Water Found Depth UOM:		ft			

<u>6</u>	1 of 1	WNW/51.3	72.9 / 0.00	OTTAWA CITY ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	CA
Certificate #:		3-0892-96-			
Application Year:		96			
Issue Date:		10/2/1996			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<u>7</u>	1 of 1	SSE/68.9	72.9 / 0.00	ON	WWIS
Well ID:		1507809		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 8/8/1951	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 3725	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: OTTAWA CITY	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information					
Bore Hole ID:	10029844	Elevation:	73.600891		
DP2BR:	20	Elevrc:			
Spatial Status:		Zone:	18		
Code OB:	r	East83:	442460.7		
Code OB Desc:	Bedrock	North83:	5025922		
Open Hole:		Org CS:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Cluster Kind:				UTMRC:	9
Date Completed:	7/15/1950			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931008082			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		4			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931008084			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		20			
Formation End Depth:		36			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931008083			
Layer:		2			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		4			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10578414				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930052352				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	25				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930052353				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	36				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991507809				
Pump Set At:					
Static Level:	5				
Final Level After Pumping:	8				
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:	N				
<u>Water Details</u>					
Water ID:	933462071				
Layer:	1				
Kind Code:	1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		32			
Water Found Depth UOM:		ft			

8 1 of 1 SW/69.6 72.9 / 0.00 ON **BORE**

Borehole ID:	612909	Inclin FLG:	No
OGF ID:	215514215	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	JUL-1948	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.384535
Total Depth m:	12.5	Longitude DD:	-75.735816
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	442396
Drill Method:		Northing:	5025932
Orig Ground Elev m:	76.2	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	74.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218392935	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	6.1	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218392936	Mat Consistency:	Hard
Top Depth:	6.1	Material Moisture:	
Bottom Depth:	12.5	Material Texture:	
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Gravel	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	GRAVEL. 0004100117RY STIFF TO VERY HARD, FISSURED. CLAY. GREY,SOFT,STIFF,FISSURED. 00000		
	**Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:		Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 05417 NTS_Sheet:		
Confiden 1:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

9	1 of 1	SW/69.6	72.9 / 0.00	lot 28 con 2 ON	WWIS
Well ID:	1510605			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/5/1950
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3725
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY (NEPEAN)
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	028
Well Depth:				Concession:	02
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	10032631			Elevation:	74.313385
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:	o			East83:	442395.7
Code OB Desc:	Overburden			North83:	5025932
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	7/18/1948			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	p9
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID:	931015351
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		20			
Formation End Depth:		41			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931015350			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581201			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930057838			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		20			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930057839			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:		41			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Results of Well Yield Testing

Pump Test ID: 991510605
Pump Set At:
Static Level:
Final Level After Pumping: 0
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: Y

Water Details

Water ID: 933465631
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 41
Water Found Depth UOM: ft

[10](#) 1 of 1 **NNW/73.0** **72.9 / 0.00** **ON** **BORE**

<p> Borehole ID: 848116 OGF ID: 215589764 Status: Decommissioned Type: Borehole Use: Geotechnical/Geological Investigation Completion Date: 11-APR-1975 Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: 15.3 Depth Ref: Ground Surface Depth Elev: Drill Method: Diamond Drill Orig Ground Elev m: 73.8 Elev Reliabil Note: DEM Ground Elev m: 74.6 Concession: CON 1 ON OTTAWA RIVER Location D: Survey D: Comments: </p>	<p> Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: LOT 33 Township: NEPEAN Latitude DD: 45.38568 Longitude DD: -75.735444 UTM Zone: 18 Easting: 442426 Northing: 5026059 Location Accuracy: Accuracy: Within 20 metres </p>
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Borehole Geology Stratum

<p> Geology Stratum ID: 6560010 Top Depth: 0 Bottom Depth: .2 Material Color: Material 1: Asphalt Material 2: Material 3: </p>	<p> Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Asphalt Geologic Formation: Geologic Group: Geologic Period: </p>
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:				Depositional Gen:	
Gsc Material Description:		ASPHALT **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Stratum Description:					
Geology Stratum ID:	6560011			Mat Consistency:	
Top Depth:	.2			Material Moisture:	
Bottom Depth:	1.1			Material Texture:	
Material Color:				Non Geo Mat Type:	Fill-Misc
Material 1:	Fill			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:		FILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Stratum Description:					
Geology Stratum ID:	6560014			Mat Consistency:	
Top Depth:	9.3			Material Moisture:	
Bottom Depth:	12.2			Material Texture:	Fine to Medium
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:		VERY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK WITH MANY SHALE BANDS AND LAMINAE			
Stratum Description:					
**Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID:	6560015			Mat Consistency:	
Top Depth:	12.2			Material Moisture:	
Bottom Depth:	15.3			Material Texture:	Fine to Medium
Material Color:				Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:		FAIRLY SOUND VERY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, MANY SHALE BANDS AND LAMINAE			
Stratum Description:					
**Note: Many records provided by the department have a truncated [Stratum Description] field.					
Geology Stratum ID:	6560012			Mat Consistency:	
Top Depth:	1.1			Material Moisture:	
Bottom Depth:	2.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:		BROWN SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Stratum Description:					
Geology Stratum ID:	6560013			Mat Consistency:	
Top Depth:	2.6			Material Moisture:	
Bottom Depth:	9.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:		TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Stratum Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	7276789			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	12/12/2016
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z238023			Owner:	
Tag:	A191035			Street Name:	1316 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006305095	Elevation:	73.069335
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442514
Code OB Desc:		North83:	5026015
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	11/17/2016	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1006479817
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	0.91
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006479819
Layer:	3
Color:	2
General Color:	GREY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		91			
Other Materials:		WATER-BEARING			
Formation Top Depth:		2.44			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006479818			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		91			
Other Materials:		WATER-BEARING			
Formation Top Depth:		0.91			
Formation End Depth:		2.44			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006479828			
Layer:		2			
Plug From:		0.31			
Plug To:		1.22			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006479829			
Layer:		3			
Plug From:		1.22			
Plug To:		4.57			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006479827			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DIRECT PUSH			

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

Pipe ID: 1006479816
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1006479822
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 1.5
 Casing Diameter: 4.03
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006479823
 Layer: 1
 Slot: 10
 Screen Top Depth: 1.5
 Screen End Depth: 4.57
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 4.82

Hole Diameter

Hole ID: 1006479820
 Diameter: 8.25
 Depth From: 0
 Depth To: 4.57
 Hole Depth UOM: m
 Hole Diameter UOM: cm

12	1 of 4	ENE/81.0	72.9 / 0.00	Triole Investments Limited 1316 Carling Avenue Ottawa ON K1Z 7L1	CA
<p>Certificate #: 4976-6F6J59 Application Year: 2005 Issue Date: 8/11/2005 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:</p>					

12	2 of 4	ENE/81.0	72.9 / 0.00	1316 Carling Ave Ottawa ON K1Z7L1	EHS
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20160729054 Status: C Report Type: Standard Report Report Date: 05-AUG-16 Date Received: 29-JUL-16 Previous Site Name: Lot/Building Size: Approx 9310 m2 Additional Info Ordered: Title Searches; Aerial Photos					
Nearest Intersection: Municipality: City of Ottawa Client Prov/State: ON Search Radius (km): .25 X: -75.734303 Y: 45.385126					
12	3 of 4	ENE/81.0	72.9 / 0.00	Triole Investments Limited 1316 Carling Avenue Ottawa ON K2J 4A9	ECA
Approval No: 4976-6F6J59 Approval Date: 2005-08-11 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: 1316 Carling Avenue Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8993-6D7NPA-14.pdf					
MOE District: Ottawa City: Longitude: -75.73429 Latitude: 45.385169999999995 Geometry X: Geometry Y:					
12	4 of 4	ENE/81.0	72.9 / 0.00	Homestead Land Holdings 1316 Carling Ave Ottawa ON K1Z 7L1	GEN
Generator No: ON5024217 Status: Registered Approval Years: As of Dec 2017 Contam. Facility: MHSW Facility: SIC Code: SIC Description:					
PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 114 C Waste Class Desc: Other inorganic acid wastes					
13	1 of 1	NNW/81.2	72.9 / 0.00	Ottawa ON	WWIS
Well ID: 7282860 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Monitoring Final Well Status: Monitoring and Test Hole Water Type: Casing Material: Audit No: Z250744 Tag: A190039 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:					
Data Entry Status: Data Src: Date Received: 3/13/2017 Selected Flag: Yes Abandonment Rec: Contractor: 7241 Form Version: 7 Owner: Street Name: 1335 CARLING AVE County: OTTAWA-CARLETON Municipality: NEPEAN TOWNSHIP Site Info: Lot: Concession: Concession Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1006366385 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 2/21/2017 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevation: 74.415481 Elevrc: Zone: 18 East83: 442419 North83: 5026066 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: 1006584767 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Material: SAND Mat2: Other Materials: Mat3: Other Materials:		Formation Top Depth: 0.31 Formation End Depth: 3.1 Formation End Depth UOM: m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: 1006584768 Layer: 3 Color: 2 General Color: GREY Mat1: 34 Most Common Material: TILL Mat2: Other Materials: Mat3: Other Materials:		Formation Top Depth: 3.1 Formation End Depth: 5.79 Formation End Depth UOM: m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: 1006584766					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006584778			
Layer:		3			
Plug From:		2.44			
Plug To:		5.79			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006584777			
Layer:		2			
Plug From:		0.31			
Plug To:		2.44			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006584776			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006584765			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006584771			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:		0			
Depth To:		2.74			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006584772			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.74			
Screen End Depth:		5.79			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1006584769			
Diameter:		8.25			
Depth From:		0			
Depth To:		5.79			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

14	1 of 1	E/84.3	72.9 / 0.00	1316 Carling Avenue Ottawa ON K1Z 7L1	EHS
Order No:		20190709202		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		15-JUL-19		Search Radius (km): .25	
Date Received:		09-JUL-19		X: -75.734224	
Previous Site Name:				Y: 45.385187	
Lot/Building Size:					
Additional Info Ordered:					

15	1 of 1	WNW/86.4	72.9 / 0.00	Ottawa ON	WWIS
Well ID:		7282861		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Test Hole		Date Received: 3/13/2017	
Sec. Water Use:		Monitoring		Selected Flag: Yes	
Final Well Status:		Monitoring and Test Hole		Abandonment Rec:	
Water Type:				Contractor: 7241	
Casing Material:				Form Version: 7	
Audit No:		Z250743		Owner:	
Tag:		A190038		Street Name: 1335 CARLING AVE	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: NEPEAN TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1006366388			Elevation:	74.794303
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442367
Code OB Desc:				North83:	5026036
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	2/21/2017			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006584820				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	84				
Other Materials:	SILTY				
Mat3:					
Other Materials:					
Formation Top Depth:	1.5				
Formation End Depth:	4.57				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006584818				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	0.31				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1006584819				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0.31			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006584821			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		34			
Most Common Material:		TILL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		4.57			
Formation End Depth:		5.79			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006584830			
Layer:		2			
Plug From:		0.31			
Plug To:		2.44			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006584829			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006584831			
Layer:		3			
Plug From:		2.44			
Plug To:		5.79			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					

Pipe Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Pipe ID: 1006584817
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1006584824
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 2.74
 Casing Diameter: 4.03
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006584825
 Layer: 1
 Slot: 10
 Screen Top Depth: 2.74
 Screen End Depth: 5.79
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 4.82

Hole Diameter

Hole ID: 1006584822
 Diameter: 8.25
 Depth From: 0
 Depth To: 5.79
 Hole Depth UOM: m
 Hole Diameter UOM: cm

16	1 of 1	W/88.1	72.9 / 0.00	ON	BORE
Borehole ID:	848112			Inclin FLG:	No
OGF ID:	215589760			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	25-MAR-1975			Municipality:	
Static Water Level:				Lot:	ROAD
Primary Water Use:				Township:	NEPEAN
Sec. Water Use:				Latitude DD:	45.385133
Total Depth m:	18.1			Longitude DD:	-75.736395
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442351
Drill Method:	Diamond Drill			Northing:	5025999
Orig Ground Elev m:	74.9			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 20 metres
DEM Ground Elev m:	74.3				
Concession:					
Location D:					
Survey D:					
Comments:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6559990			Mat Consistency:	Firm
Top Depth:	3.2			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FIRM GREY SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559992			Mat Consistency:	Very Dense
Top Depth:	5.3			Material Moisture:	
Bottom Depth:	10.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt - Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Clay - Cobbles			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY DENSE GREY SANDY SILT TO SILTY SAND WITH GRAVEL, SOME CLAY, COBBLES AND BOULDERS (TILL) (NOTE: NUMEROUS COBBLES AND BOULDERS FROM 29' - 34.5' FOOT DEPTH) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559993			Mat Consistency:	
Top Depth:	10.6			Material Moisture:	
Bottom Depth:	18.1			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:	Dolomite			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, SOME SHALY AND DOLOMITE BANDS **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559991			Mat Consistency:	Loose
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	5.3			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Clay - Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE GREY SANDY SILT WITH CLAY AND GRAVEL (TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559987			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559988			Mat Consistency:	Loose
Top Depth:	.1			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth:	2.1			Material Texture:	Fine to Medium
Material Color:	Brown			Non Geo Mat Type:	Fill -Rock
Material 1:	Fill			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE BROWN FINE TO MEDIUM SAND WITH SILT (FILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559989			Mat Consistency:	Loose
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	3.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE BROWN SILTY SAND WITH GRAVEL **Note: Many records provided by the department have a truncated [Stratum Description] field.				

17	1 of 1	ENE/90.5	72.9 / 0.00	Ottawa ON	WWIS
Well ID:	7276790			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	12/12/2016
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z237919			Owner:	
Tag:	A191034			Street Name:	1316 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006305101			Elevation:	73.278022
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442518
Code OB Desc:				North83:	5026030
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	11/17/2016			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Overburden and Bedrock
Materials Interval**

Formation ID: 1006479853
Layer: 2
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 11
Other Materials: GRAVEL
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 1.22
Formation End Depth: 2.44
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 1006479852
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 1.22
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 1006479854
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 91
Other Materials: WATER-BEARING
Formation Top Depth: 2.44
Formation End Depth: 4.57
Formation End Depth UOM: m

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1006479862
Layer: 1
Plug From: 0
Plug To: 0.31
Plug Depth UOM: m

**Annular Space/Abandonment
Sealing Record**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1006479863			
Layer:		2			
Plug From:		0.31			
Plug To:		1.22			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006479864			
Layer:		3			
Plug From:		1.22			
Plug To:		4.54			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1006479851			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006479857			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.5			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006479858			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.57			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1006479855			
Diameter:		8.25			
Depth From:		0			
Depth To:		4.57			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
18	1 of 1	NW/101.5	72.9 / 0.00	1335 Carling Ave Ottawa ON K1Z8N8	EHS
Order No:	20170120045		Nearest Intersection:		
Status:	C		Municipality:		
Report Type:	Standard Report		Client Prov/State: ON		
Report Date:	25-JAN-17		Search Radius (km): .25		
Date Received:	20-JAN-17		X: -75.736042		
Previous Site Name:			Y: 45.385772		
Lot/Building Size:					
Additional Info Ordered:					
19	1 of 27	NW/101.5	72.9 / 0.00	Zachary A Dental Lab Ltd. 1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	SCT
Established:					
Plant Size (ft²):					
Employment:					
--Details--					
Description:	Medical Equipment and Supplies Manufacturing				
SIC/NAICS Code:	339110				
19	2 of 27	NW/101.5	72.9 / 0.00	1335 Carling Ave. Ottawa ON K1Z 8N8	EHS
Order No:	20040921032		Nearest Intersection:		
Status:	C		Municipality:		
Report Type:	Site Report		Client Prov/State: ON		
Report Date:	9/23/04		Search Radius (km): 0.25		
Date Received:	9/21/04		X: -75.735728		
Previous Site Name:			Y: 45.385614		
Lot/Building Size:					
Additional Info Ordered:					
19	3 of 27	NW/101.5	72.9 / 0.00	A. Zachary Dental Laboratory 1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	SCT
Established:	1971				
Plant Size (ft²):					
Employment:	1				
--Details--					
Description:	Medical Equipment and Supplies Manufacturing				
SIC/NAICS Code:	339110				
19	4 of 27	NW/101.5	72.9 / 0.00	Echo Dental Lab Ltd. 1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	SCT
Established:	01-JUN-79				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plant Size (ft²):		1000			
Employment:					
--Details--					
Description:		Medical Equipment and Supplies Manufacturing			
SIC/NAICS Code:		339110			
Description:		Medical Equipment and Supplies Manufacturing			
SIC/NAICS Code:		339110			

19	5 of 27	NW/101.5	72.9 / 0.00	Milident Inc. 550-1335 Carling Avenue Ottawa ON K1Z 8N8	GEN
Generator No:	ON5442111			PO Box No:	
Status:				Country:	
Approval Years:	07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621210				
SIC Description:	Offices of Dentists				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				

19	6 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator No:	ON4081183			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621210				
SIC Description:	Offices of Dentists				
Detail(s)					
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				

19	7 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator No:	ON4081183			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621210				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:		Offices of Dentists			
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
19	8 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No:		ON9709569		PO Box No:	
Status:				Country:	
Approval Years:		2011		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		621110			
SIC Description:					
19	9 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No:		ON9709569		PO Box No:	
Status:				Country:	
Approval Years:		2012		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		621110			
SIC Description:		Offices of Physicians			
19	10 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator No:		ON4081183		PO Box No:	
Status:				Country:	
Approval Years:		2012		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:		621210			
SIC Description:		Offices of Dentists			
<u>Detail(s)</u>					
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	11 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON	GEN
Generator No:	ON4081183			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
Detail(s)					
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	12 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON	GEN
Generator No:	ON9709569			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	13 of 27	NW/101.5	72.9 / 0.00	165279 Canada Inc 1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	GEN
Generator No:	ON5603133			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	14 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON4081183			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<u>Detail(s)</u>					
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	15 of 27	NW/101.5	72.9 / 0.00	165279 Canada Inc 1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	GEN
Generator No:	ON5603133			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	16 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator No:	ON4081183			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<u>Detail(s)</u>					
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
19	17 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON K1Z 8N8					
Generator No:	ON9709569			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Eleanor Cox
MHSW Facility:	No			Phone No Admin:	613 729-8098 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>19</u>	18 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No:	ON9709569			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Eleanor Cox
MHSW Facility:	No			Phone No Admin:	613 729-8098 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>19</u>	19 of 27	NW/101.5	72.9 / 0.00	165279 Canada Inc 1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	GEN
Generator No:	ON5603133			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
<u>19</u>	20 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No:	ON9709569			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Eleanor Cox
MHSW Facility:	No			Phone No Admin:	613 729-8098 Ext.
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				

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

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

[19](#) 21 of 27 NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul
1335 carling ave suite 414
ottawa ON K1Z 8N8 GEN

Generator No: ON4081183
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621210
SIC Description: OFFICES OF DENTISTS
PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 264
Waste Class Desc: PHOTOPROCESSING WASTES

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

[19](#) 22 of 27 NW/101.5 72.9 / 0.00 165279 Canada Inc
1335 Carling Ave Suite 600
Ottawa ON K1Z 8N8 GEN

Generator No: ON5603133
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

[19](#) 23 of 27 NW/101.5 72.9 / 0.00 Dr T Harle & Dr J Paul
1335 carling ave suite 414
ottawa ON K1Z 8N8 GEN

Generator No: ON4081183
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 B			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
19	24 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No:	ON9709569			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
19	25 of 27	NW/101.5	72.9 / 0.00	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator No:	ON4081183			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Oct 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	148 C				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
Waste Class:	148 B				
Waste Class Desc:	Misc. wastes and inorganic chemicals				
19	26 of 27	NW/101.5	72.9 / 0.00	165279 Canada Inc 1335 Carling Ave Suite 600 Ottawa ON K1Z 8N8	GEN
Generator No:	ON5603133			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Oct 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
19	27 of 27	NW/101.5	72.9 / 0.00	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator No:		ON9709569		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Oct 2019		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
20	1 of 3	NNE/105.3	72.9 / 0.00	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER 1321 CARLING AVE OTTAWA ON K1Z 7L3	PES
Detail Licence No:		23-01-12166-0		Operator Box:	
Licence No:		12166		Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:		Limited Vendor		Oper Phone No:	
Licence Type Code:		23		Operator Ext:	
Licence Class:		01		Operator Lot:	
Licence Control:		0		Oper Concession:	
Latitude:				Operator Region: 4	
Longitude:				Operator District:	
Lot:				Operator County: 22	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					
20	2 of 3	NNE/105.3	72.9 / 0.00	Your Independant Grocer 1321 Carling Avenue Ottawa ON	GEN
Generator No:		ON1308563		PO Box No:	
Status:				Country:	
Approval Years:		03,04		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
20	3 of 3	NNE/105.3	72.9 / 0.00	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER 1321 CARLING AVE(STORE CLOSED OCT 11/03)	PES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
OTTAWA ON K1Z7L3					
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Limited Vendor			Oper Phone No:	
Licence Type Code:	23			Operator Ext:	
Licence Class:				Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

21	1 of 1	NNW/109.2	72.9 / 0.00	OTTAWA ON	WWIS
Well ID:	7267593			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	7/21/2016
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z229844			Owner:	
Tag:	A169688			Street Name:	1309 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006167076	Elevation:	73.774696
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442416
Code OB Desc:		North83:	5026094
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/6/2016	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177257		
Layer:			2		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:					
Other Materials:					
Mat3:			85		
Other Materials:			SOFT		
Formation Top Depth:			0.61		
Formation End Depth:			1.5		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177259		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			06		
Most Common Material:			SILT		
Mat2:			05		
Other Materials:			CLAY		
Mat3:			85		
Other Materials:			SOFT		
Formation Top Depth:			4.21		
Formation End Depth:			6.1		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177256		
Layer:			1		
Color:			2		
General Color:			GREY		
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:					
Other Materials:					
Mat3:			77		
Other Materials:			LOOSE		
Formation Top Depth:			0		
Formation End Depth:			0.61		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177258		
Layer:			3		
Color:			6		
General Color:			BROWN		
Mat1:			06		
Most Common Material:			SILT		
Mat2:			05		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:		CLAY			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1.5			
Formation End Depth:		4.21			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006177269			
Layer:		3			
Plug From:		4.21			
Plug To:		6.1			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006177268			
Layer:		2			
Plug From:		0.31			
Plug To:		4.21			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006177267			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006177255			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006177262			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		4.27			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Construction Record - Screen

Screen ID: 1006177263
Layer: 1
Slot: 10
Screen Top Depth: 4.27
Screen End Depth: 6.1
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03

Hole Diameter

Hole ID: 1006177260
Diameter: 20.95
Depth From: 0
Depth To: 6.1
Hole Depth UOM: m
Hole Diameter UOM: cm

[22](#) 1 of 1 **NNE/109.6** **72.9 / 0.00** **ON** **BORE**

Borehole ID: 848115 OGF ID: 215589763 Status: Decommissioned Type: Borehole Use: Geotechnical/Geological Investigation Completion Date: 03-APR-1975 Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: 18.4 Depth Ref: Ground Surface Depth Elev: Drill Method: Diamond Drill Orig Ground Elev m: 76.7 Elev Reliabil Note: DEM Ground Elev m: 74.8 Concession: CON 1 ON OTTAWA RIVER Location D: Survey D: Comments:	Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: LOT 33 Township: NEPEAN Latitude DD: 45.385963 Longitude DD: -75.734809 UTM Zone: 18 Easting: 442476 Northing: 5026090 Location Accuracy: Accuracy: Within 20 metres
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Borehole Geology Stratum

Geology Stratum ID: 6560006 Top Depth: 0 Bottom Depth: .2 Material Color: Material 1: Topsoil Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.	Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:
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Geology Stratum ID: 6560007 Top Depth: .2 Bottom Depth: 1.4 Material Color: Brown	Mat Consistency: Stiff Material Moisture: Material Texture: Non Geo Mat Type:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	STIFF BROWN SILTY CLAY (WEATHERED CRUST) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6560009			Mat Consistency:	
Top Depth:	3.2			Material Moisture:	
Bottom Depth:	18.4			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:	Dolomite			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FAIRLY SOUND TO SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, WITH THIN IRREGULAR SHALE BANDS, SOME DOLOMITE LAYERS **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6560008			Mat Consistency:	Very Dense
Top Depth:	1.4			Material Moisture:	
Bottom Depth:	3.2			Material Texture:	
Material Color:	Grey-Brown			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel - Bolders			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY DENSE GREY BROWN SANDY SILT WITH GRAVEL AND BOULDERS (TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.				

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1 of 1

NNW/128.1

72.9 / 0.00

OTTAWA ON

WWIS

Well ID: 7267592
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z229845
Tag: A169689
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 7/21/2016
Selected Flag: Yes
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
Street Name: 1309 CARLING AVE
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006167073
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Elevation: 73.515617
Elevrc:
Zone: 18
East83: 442402
North83: 5026110

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	6/6/2016			Org CS: UTMRC: UTMRC Desc: Location Method:	UTM83 4 margin of error : 30 m - 100 m wwr
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006177242			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1.5			
Formation End Depth:		4.21			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006177241			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		77			
Other Materials:		LOOSE			
Formation Top Depth:		0.31			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006177240			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		27			
Most Common Material:		OTHER			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		0			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177243		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			12		
Other Materials:			STONES		
Mat3:			66		
Other Materials:			DENSE		
Formation Top Depth:			4.21		
Formation End Depth:			6.71		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1006177253		
Layer:			2		
Plug From:			0.31		
Plug To:			4.88		
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1006177254		
Layer:			3		
Plug From:			4.88		
Plug To:			6.71		
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1006177251		
Layer:			1		
Plug From:					
Plug To:					
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1006177252		
Layer:			1		
Plug From:			0		
Plug To:			0.31		
Plug Depth UOM:			m		
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:			D		
Method Construction:			Direct Push		
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		1006177239			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006177246			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		5.18			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006177247			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.18			
Screen End Depth:		6.71			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.03			
<u>Hole Diameter</u>					
Hole ID:		1006177244			
Diameter:		8.25			
Depth From:		0			
Depth To:		6.71			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

24	1 of 1	NW/134.7	72.9 / 0.00	Ottawa ON	WWIS
Well ID:	7282862			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	3/13/2017
Sec. Water Use:	Monitoring			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z250741			Owner:	
Tag:	A190037			Street Name:	1335 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	

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

Bore Hole Information

Bore Hole ID:	1006366391	Elevation:	74.24945
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442355
Code OB Desc:		North83:	5026093
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	2/21/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1006584877
Layer:	4
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	4.57
Formation End Depth:	5.79
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006584876
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	1.5
Formation End Depth:	4.57
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006584874
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006584875			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		01			
Other Materials:		FILL			
Mat3:					
Other Materials:					
Formation Top Depth:		0.31			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006584885			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006584887			
Layer:		3			
Plug From:		2.44			
Plug To:		5.79			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006584886			
Layer:		2			
Plug From:		0.31			
Plug To:		2.44			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		1006584873			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006584880			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.74			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006584881			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.74			
Screen End Depth:		5.79			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1006584878			
Diameter:		8.25			
Depth From:		0			
Depth To:		5.79			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>25</u>	1 of 1	ENE/136.8	72.9 / 0.00	Thermal Insulation Association 1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	SCT
Established:		1965			
Plant Size (ft²):					
Employment:		1			
<u>--Details--</u>					
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			
Description:		Business Associations			
SIC/NAICS Code:		813910			
<u>26</u>	1 of 1	SE/137.3	73.6 / 0.69	1282 Thames Street, Ottawa ON	PINC
Incident ID:	2766416			Health Impact:	No
Incident No:	609806			Environment Impact:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike			Enforce Policy:	Yes
Fuel Type:	Natural Gas			Public Relation:	No
Tank Status:	RC Established			Pipeline System:	
Task No:	3374560			Depth:	40
Spills Action Centre:				Pipe Material:	Plastic
Method Details:	E-mail			PSIG:	53
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:	6/3/2011 0:00			Regulator Location:	Outside
Occurrence Start Date:	2011/06/28				
Operation Type:	Construction Site (pipeline strike)				
Pipeline Type:	Service / Riser Distribution Pipeline				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Summary:	1282 Thames Street, Ottawa - 1/2" Pipeline Hit				
Reported By:	Armstrong, Alan - Enbridge				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	trench collapsed				
Damage Reason:	Excavation practices not sufficient				
Notes:	failed to support piping, trench collapsed				

27	1 of 1	ESE/141.5	72.9 / 0.00	1270 Thames Street, Ottawa ON	PINC
Incident ID:	2767954			Health Impact:	No
Incident No:	611336			Environment Impact:	No
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike			Enforce Policy:	Yes
Fuel Type:	Natural Gas			Public Relation:	No
Tank Status:	RC Established			Pipeline System:	
Task No:	3379623			Depth:	40
Spills Action Centre:				Pipe Material:	Plastic
Method Details:	E-mail			PSIG:	53
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:	5/24/2011 0:00			Regulator Location:	Outside
Occurrence Start Date:	2011/06/13				
Operation Type:	Construction Site (pipeline strike)				
Pipeline Type:	Service / Riser Distribution Pipeline				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Summary:	1270 Thames Street, Ottawa - 1/2" Pipeline Hit				
Reported By:	Stiles, Jeff - Enbridge				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	Linestrike - Expired Locates				
Damage Reason:	Excavation practices not sufficient				
Notes:	Expired Locates, Failed To Support.				

28	1 of 1	N/143.7	72.9 / 0.00	OTTAWA ON	WWIS
Well ID:	7267545			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	7/21/2016
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z229814			Owner:	
Tag:	A164398			Street Name:	1309 CARLING AVE.
Construction Method:				County:	OTTAWA-CARLETON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006166679	Elevation:	73.440139
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442423
Code OB Desc:		North83:	5026130
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/8/2016	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1006176466
Layer:	1
Color:	2
General Color:	GREY
Mat1:	27
Most Common Material:	OTHER
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	0.31
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006176469
Layer:	4
Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	2.43
Formation End Depth:	3.04
Formation End Depth UOM:	m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006176467			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0.31			
Formation End Depth:		1.21			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1006176468			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1.21			
Formation End Depth:		2.43			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006176478			
Layer:		2			
Plug From:		0.31			
Plug To:		1.21			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006176479			
Layer:		3			
Plug From:		1.21			
Plug To:		3.04			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1006176477			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006176465			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006176472			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.52			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006176473			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.52			
Screen End Depth:		3.04			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1006176470			
Diameter:		8.3			
Depth From:		0			
Depth To:		3.04			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
29	1 of 3	ENE/145.0	73.7 / 0.80	EVERT COMMUNICATIONS LIMITED 1296 CARLING AVE OTTAWA ON K1Z 7K8	SCT
Established:		1974			
Plant Size (ft²):		4000			
Employment:		9			
<u>--Details--</u>					
Description:		MISCELLANEOUS PUBLISHING			
SIC/NAICS Code:		2741			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	2 of 3	ENE/145.0	73.7 / 0.80	Carlingwood Clinico Leasing Ltd. 1296 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator No:	ON6005999			PO Box No:	
Status:				Country:	
Approval Years:	06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				
Detail(s)					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
29	3 of 3	ENE/145.0	73.7 / 0.80	Carlingwood Clinico Leasing Ltd. 1296 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator No:	ON6005999			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				
Detail(s)					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
30	1 of 1	NNW/149.1	72.9 / 0.00	OTTAWA ON	WWIS
Well ID:	7267547			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	7/21/2016
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z229815			Owner:	
Tag:	A164404			Street Name:	1309 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	

Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	1006166685	Elevation:	73.473114
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442403
Code OB Desc:		North83:	5026132
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/7/2016	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1006176501
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1.21
Formation End Depth:	3.04
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006176500
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0.31
Formation End Depth:	1.21
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1006176503
Layer:	5
Color:	2
General Color:	GREY
Mat1:	34

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:		TILL			
Other Materials:		05			
Mat3:		CLAY			
Other Materials:					
Formation Top Depth:		5.48			
Formation End Depth:		6.09			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006176502			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		34			
Most Common Material:		TILL			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		3.04			
Formation End Depth:		5.48			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006176499			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		27			
Most Common Material:		OTHER			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006176511			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006176512			
Layer:		2			
Plug From:		0.31			
Plug To:		4.26			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Sealing Record</u>					
Plug ID:		1006176513			
Layer:		3			
Plug From:		4.26			
Plug To:		6.09			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006176498			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006176506			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		4.57			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006176507			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.57			
Screen End Depth:		6.09			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1006176504			
Diameter:		8.3			
Depth From:		0			
Depth To:		6.09			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

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1 of 1

ESE/152.9

72.9 / 0.00

1262 Thames Street, Ottawa
ON

PINC

Incident ID: 2764128
Incident No: 607526Health Impact: No
Environment Impact: No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike			Enforce Policy:	Yes
Fuel Type:	Natural Gas			Public Relation:	No
Tank Status:	RC Established			Pipeline System:	
Task No:	3369254			Depth:	36
Spills Action Centre:				Pipe Material:	Plastic
Method Details:	E-mail			PSIG:	53
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:	5/24/2011 0:00			Regulator Location:	Outside
Occurrence Start Date:	2011/06/28				
Operation Type:	Construction Site (pipeline strike)				
Pipeline Type:	Service / Riser Distribution Pipeline				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Summary:	1262 Thames Street, Ottawa - 1/2" Pipeline Hit				
Reported By:	Stiles, Jeff - Enbridge				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	failed to daylight, expired locates				
Damage Reason:	Excavation practices not sufficient				
Notes:	expired locate, did not maintain boundaries				

[32](#) 1 of 1 **NNE/155.4** **72.9 / 0.00** **OTTAWA ON** **WWIS**

Well ID:	7267591	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Monitoring and Test Hole	Date Received:	7/21/2016
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7241
Casing Material:		Form Version:	7
Audit No:	Z229820	Owner:	
Tag:	A164351	Street Name:	1309 CARLING AVE
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006167070	Elevation:	73.653617
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442466
Code OB Desc:		North83:	5026140
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/6/2016	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177228		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			06		
Most Common Material:			SILT		
Mat2:			05		
Other Materials:			CLAY		
Mat3:			85		
Other Materials:			SOFT		
Formation Top Depth:			3.66		
Formation End Depth:			7.32		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177227		
Layer:			2		
Color:			6		
General Color:			BROWN		
Mat1:			06		
Most Common Material:			SILT		
Mat2:			05		
Other Materials:			CLAY		
Mat3:			85		
Other Materials:			SOFT		
Formation Top Depth:			2.13		
Formation End Depth:			3.66		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1006177226		
Layer:			1		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			11		
Other Materials:			GRAVEL		
Mat3:			77		
Other Materials:			LOOSE		
Formation Top Depth:			0		
Formation End Depth:			2.13		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1006177236		
Layer:			1		
Plug From:			0		
Plug To:			0.31		
Plug Depth UOM:			m		
<u>Annular Space/Abandonment</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Sealing Record</u>					
Plug ID:		1006177237			
Layer:		2			
Plug From:		0.31			
Plug To:		5.49			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006177238			
Layer:		3			
Plug From:		5.49			
Plug To:		7.32			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1006177225			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006177231			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		5.79			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006177232			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.79			
Screen End Depth:		7.32			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.03			
<u>Hole Diameter</u>					
Hole ID:		1006177229			
Diameter:		20.95			
Depth From:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		7.32			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
33	1 of 1	WSW/157.2	73.9 / 1.00	TRANSPORT TRUCK 1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	SPL
Ref No:	133672			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	10/30/1996			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	OTHER CONTAINER LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	NOT ANTICIPATED			Site Municipality:	20101
Nature of Impact:				Site Lot:	
Receiving Medium:	LAND / WATER			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	FD
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	10/30/1996			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	OTHER			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	GW FREIGHTWAYS-10 L CONC.JAVEX TO GROUND & SEWER FROM TRUCK,FLUSHED BY FD.				
Contaminant Qty:					
34	1 of 2	NNW/157.4	71.9 / -1.00	NATIONAL GROCERS CO. LTD./WESTGATE YOUR IND. GROCER 1321 CARLING AVENUE OTTAWA ON K1Z7L3	PES
Detail Licence No:				Operator Box:	
Licence No:	10150			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	613
Licence Type:	Retail Vendor Class 03			Oper Phone No:	7222284
Licence Type Code:	21			Operator Ext:	
Licence Class:	03			Operator Lot:	
Licence Control:				Oper Concession:	
Latitude:				Operator Region:	
Longitude:				Operator District:	
Lot:				Operator County:	
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					
34	2 of 2	NNW/157.4	71.9 / -1.00	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	PES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	
Detail Licence No:	23-01-12166-0			Operator Box:	
Licence No:	12166			Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:	Legacy Licenses (Excluding TS)			Oper Area Code:	416
Licence Type:	Limited Vendor			Oper Phone No:	2188044
Licence Type Code:	23			Operator Ext:	
Licence Class:	01			Operator Lot:	
Licence Control:	0			Oper Concession:	
Latitude:				Operator Region:	4
Longitude:				Operator District:	
Lot:				Operator County:	22
Concession:				Op Municipality:	
Region:				Post Office Box:	
District:				MOE District:	
County:				SWP Area Name:	
Trade Name:					
PDF Link:					

35	1 of 1	SSE/158.3	73.9 / 1.00	PRIVATE OWNER IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	SPL
Ref No:	173371			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	10/2/1999			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	CONTAINER OVERFLOW			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	20101
Nature of Impact:	Water course or lake			Site Lot:	
Receiving Medium:	LAND / WATER			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	FD
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	10/2/1999			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	UNKNOWN			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	PRIVATE AUTO-45 LITERS GASOLINE TO ROADWAY AND CATCHBASIN,FD.				
Contaminant Qty:					

36	1 of 1	WSW/161.3	73.9 / 1.00	lot 33 con 1 ON	WWIS
Well ID:	1503974			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	3/23/1949
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3728

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Form Version: 1 Owner: Street Name: County: OTTAWA-CARLETON Municipality: OTTAWA CITY (NEPEAN) Site Info: Lot: 033 Concession: 01 Concession Name: OF Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 10026017 DP2BR: Spatial Status: Code OB: 0 Code OB Desc: Overburden Open Hole: Cluster Kind: Date Completed: 3/21/1948 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Elevation: 74.851005 Elevrc: Zone: 18 East83: 442290.7 North83: 5025922 Org CS: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: p9	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 930998070 Layer: 2 Color: General Color: Mat1: 11 Most Common Material: GRAVEL Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: 39 Formation End Depth: 41 Formation End Depth UOM: ft					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: 930998069 Layer: 1 Color: General Color: Mat1: 05 Most Common Material: CLAY Mat2: Other Materials: Mat3: Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:			0		
Formation End Depth:			39		
Formation End Depth UOM:			ft		
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:			1		
Method Construction:			Cable Tool		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			10574587		
Casing No:			1		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			930044767		
Layer:			1		
Material:			1		
Open Hole or Material:			STEEL		
Depth From:					
Depth To:			41		
Casing Diameter:			4		
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Results of Well Yield Testing</u>					
Pump Test ID:			991503974		
Pump Set At:					
Static Level:			1		
Final Level After Pumping:			7		
Recommended Pump Depth:					
Pumping Rate:			7		
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:			ft		
Rate UOM:			GPM		
Water State After Test Code:			1		
Water State After Test:			CLEAR		
Pumping Test Method:			1		
Pumping Duration HR:			1		
Pumping Duration MIN:			0		
Flowing:			N		
<u>Water Details</u>					
Water ID:			933457011		
Layer:			1		
Kind Code:			1		
Kind:			FRESH		
Water Found Depth:			1		
Water Found Depth UOM:			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Order No: 20131031036
Status: C
Report Type: Standard Report
Report Date: 11-NOV-13
Date Received: 31-OCT-13
Previous Site Name:
Lot/Building Size: 0.10 hectares / 0.25 acres
Additional Info Ordered:

Nearest Intersection:
Municipality: Ottawa
Client Prov/State: ON
Search Radius (km): .25
X: -75.735551
Y: 45.383539

38	1 of 1	E/180.5	74.0 / 1.09	lot I con A ON	WWIS
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Well ID: 7152275
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: 239784
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status: Yes
Data Src:
Date Received: 10/4/2010
Selected Flag: Yes
Abandonment Rec:
Contractor: 6838
Form Version: 2
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot: I
Concession: A
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1003342603
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 9/30/2010
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 75.809959
Elevrc:
Zone: 18
East83: 442617
North83: 5025962
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

39	1 of 1	SW/185.6	73.9 / 1.00	Custom Plastics Inc. 1325 Thames St Ottawa ON K1Z 7N2	SCT
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Established: 1998
Plant Size (ft²):
Employment: 7

--Details--
Description: All Other Plastic Product Manufacturing

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		326198			

40	1 of 2	ESE/191.2	74.0 / 1.08	Ottawa ON	WWIS
Well ID:	7194995			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	1/9/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	6964
Casing Material:				Form Version:	7
Audit No:	Z150548			Owner:	
Tag:	A132248			Street Name:	999 MERIVALE ROAD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1004232669	Elevation:	75.971176
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442621
Code OB Desc:		North83:	5025931
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	4/17/2012	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1004754223
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	3.65
Formation End Depth:	4.27
Formation End Depth UOM:	m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1004754222		
Layer:			1		
Color:			2		
General Color:			GREY		
Mat1:					
Most Common Material:					
Mat2:			11		
Other Materials:			GRAVEL		
Mat3:			28		
Other Materials:			SAND		
Formation Top Depth:			0		
Formation End Depth:			3.65		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1004754224		
Layer:			3		
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:			06		
Other Materials:			SILT		
Mat3:			05		
Other Materials:			CLAY		
Formation Top Depth:			4.27		
Formation End Depth:			4.6		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1004754231		
Layer:			1		
Plug From:			0		
Plug To:			0.85		
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1004754232		
Layer:			2		
Plug From:			0.85		
Plug To:			4.6		
Plug Depth UOM:			m		
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:			B		
Method Construction:			Other Method		
Other Method Construction:			HS AUGER		
<u>Pipe Information</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID:		1004754221			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004754227			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.5			
Casing Diameter:		5.2			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004754228			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.6			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6			
<u>Water Details</u>					
Water ID:		1004754226			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		2.49			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004754225			
Diameter:		22			
Depth From:		0			
Depth To:		4.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

40	2 of 2	ESE/191.2	74.0 / 1.08	OTTAWA ON	WWIS
Well ID:	7195098			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	1/10/2013
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	6964
Casing Material:				Form Version:	7
Audit No:	Z150552			Owner:	
Tag:	A132248			Street Name:	999 MERIVALL ROAD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	1004233266 6/11/2012			Elevation: Elevrc: Zone: East83: North83: Org CS: UTMRC: UTMRC Desc: Location Method:	75.971176 18 442621 5025931 UTM83 4 margin of error : 30 m - 100 m wwr
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	1004747802 1 0 0.5 m				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	1004747803 2 0.5 4.6 m				
<u>Pipe Information</u>					
Pipe ID: Casing No: Comment: Alt Name:	1004747795 0				
<u>Construction Record - Casing</u>					
Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM:	1004747799 cm				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004747800			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Hole Diameter</u>					
Hole ID:		1004747797			
Diameter:		22			
Depth From:		0			
Depth To:		4.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
41	1 of 1	SSE/193.7	73.9 / 1.00	1279 Coldrey Ave Ottawa ON K1Z7P6	EHS
Order No:		20180403148		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		09-APR-18		Search Radius (km): .25	
Date Received:		03-APR-18		X: -75.734545	
Previous Site Name:				Y: 45.383369	
Lot/Building Size:					
Additional Info Ordered:					
42	1 of 1	E/194.3	74.0 / 1.08	858 Merivale Road, Ottawa ON	PINC
Incident ID:		2776488		Health Impact: No	
Incident No:		619846		Environment Impact: No	
Type:		FS-Pipeline Incident		Property Damage: Yes	
Status Code:		Pipeline Damage Reason Est		Service Interrupt: Yes	
Fuel Occurrence Tp:		Pipeline Strike		Enforce Policy: Yes	
Fuel Type:		Natural Gas		Public Relation: No	
Tank Status:		RC Established		Pipeline System: Transmission pipeline	
Task No:		3397918		Depth: 31	
Spills Action Centre:				Pipe Material: Plastic	
Method Details:		E-mail		PSIG: 53	
Fuel Category:		Natural Gas		Attribute Category: FS-Perform P-line Inc Invest	
Date of Occurrence:		6/10/2011 0:00		Regulator Location: Outside	
Occurrence Start Date:		2011/09/15			
Operation Type:		Construction Site (pipeline strike)			
Pipeline Type:		Service / Riser Distribution Pipeline			
Regulator Type:		Service Regulator (up to 60 psi intake)			
Summary:		858 Merivale Road, Ottawa - 1 1/4" Pipeline Hit			
Reported By:		Stiles, Jeff - Enbridge			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
Occurrence Desc:		Linestrike - Failed To Hand Dig			
Damage Reason:		Excavation practices not sufficient			
Notes:		Failed To Hand Dig			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
43	1 of 1	S/199.1	73.9 / 1.00	1303 Coldrey Ave Ottawa ON K1Z7P6	EHS
Order No:	20160926070			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	29-SEP-16			Search Radius (km):	.25
Date Received:	26-SEP-16			X:	-75.735041
Previous Site Name:				Y:	45.383249
Lot/Building Size:					
Additional Info Ordered:					
44	1 of 1	ESE/201.0	73.1 / 0.22	878 Merivale Rd Ottawa ON K1Z5Z6	EHS
Order No:	20170724038			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	27-JUL-17			Search Radius (km):	.25
Date Received:	24-JUL-17			X:	-75.732871
Previous Site Name:				Y:	45.384405
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
45	1 of 1	W/205.2	73.9 / 1.00	ON	BORE
Borehole ID:	848113			Inclin FLG:	No
OGF ID:	215589761			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	21-MAR-1975			Municipality:	
Static Water Level:				Lot:	LOT 32
Primary Water Use:				Township:	NEPEAN
Sec. Water Use:				Latitude DD:	45.384575
Total Depth m:	18.4			Longitude DD:	-75.737818
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442239
Drill Method:	Diamond Drill			Northing:	5025938
Orig Ground Elev m:	75.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 20 metres
DEM Ground Elev m:	75.7				
Concession:	CON 1 ON OTTAWA RIVER				
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6559994			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	TOPSOIL				

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	6559999			Mat Consistency:	Very Dense
Top Depth:	8.2			Material Moisture:	
Bottom Depth:	10.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Silt - Gravel			Geologic Period:	
Material 4:	Clay - Cobbles			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY DENSE GREY SILTY SAND WITH GRAVEL TRACE CLAY, SOME COBBLES AND BOULDERS (TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559996			Mat Consistency:	Loose
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	1.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Organic			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE ORGANIC SILTY SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559997			Mat Consistency:	Firm
Top Depth:	1.9			Material Moisture:	
Bottom Depth:	4.9			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FIRM GREY SILTY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559998			Mat Consistency:	Compact
Top Depth:	4.9			Material Moisture:	
Bottom Depth:	8.2			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Silt - Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Clay			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	COMPACT TO VERY DENSE GREY SANDY SILT WITH GRAVEL, TRACE CLAY (TILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6560000			Mat Consistency:	
Top Depth:	10.6			Material Moisture:	
Bottom Depth:	18.4			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:	Dolomite			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	FAIRLY SOUND TO SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK SOME SHALE AND DOLOMITE BANDS **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6559995			Mat Consistency:	Loose
Top Depth:	.2			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Fill			Geologic Formation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:	Sand			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE BROWN SILTY SAND, TRACE GRAVEL (FILL) **Note: Many records provided by the department have a truncated [Stratum Description] field.				

46	1 of 1	W/207.9	73.6 / 0.69	ON	BORE
Borehole ID:	847271			Inclin FLG:	No
OGF ID:	215588939			SP Status:	Initial Entry
Status:	Decommissioned			Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	01-FEB-1958			Municipality:	
Static Water Level:	2.6			Lot:	LOT 33
Primary Water Use:				Township:	NEPEAN
Sec. Water Use:				Latitude DD:	45.385412
Total Depth m:	14.6			Longitude DD:	-75.73788
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442235
Drill Method:	Diamond Drill			Northing:	5026031
Orig Ground Elev m:	74.7			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	78.4				
Concession:	CON 1 ON OTTAWA RIVER				
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	6556463			Mat Consistency:	Soft
Top Depth:	2.3			Material Moisture:	
Bottom Depth:	3			Material Texture:	Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	MEDIUM SOFT FISSURED GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	6556465			Mat Consistency:	Loose
Top Depth:	4.6			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Geology Stratum ID:	6556467			Mat Consistency:	
Top Depth:	9.9			Material Moisture:	
Bottom Depth:	11.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Gsc Material Description:					
Stratum Description:		SHALEY LIMESTONE - CORE RECOVERY 59% **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556466			Mat Consistency:	Dense
Top Depth:	6.1			Material Moisture:	
Bottom Depth:	9.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Boulders			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BOULDERS IN DENSE SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556461			Mat Consistency:	Loose
Top Depth:	.3			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	Fine
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		LOOSE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556468			Mat Consistency:	
Top Depth:	11.4			Material Moisture:	
Bottom Depth:	13.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SHALEY LIMESTONE CORE RECOVERY 91% **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556460			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556469			Mat Consistency:	
Top Depth:	13.1			Material Moisture:	
Bottom Depth:	14.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SHALEY LIMESTONE CORE RECOVERY 80% **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556464			Mat Consistency:	Soft
Top Depth:	3			Material Moisture:	
Bottom Depth:	4.6			Material Texture:	Medium

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	MEDIUM SOFT FISSURED SILTY GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556462			Mat Consistency:	Very Stiff
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	2.3			Material Texture:	
Material Color:	Brown-Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY STIFF FISSURED BROWNISH GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				

47	1 of 38	NNE/211.9	72.9 / 0.00	GROCERY STORE AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	SPL
Ref No:	73317			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	7/10/1992			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	UNKNOWN			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	NOT ANTICIPATED			Site Municipality:	20101
Nature of Impact:	Other			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	WORKS DEPT.
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	7/10/1992			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	UNKNOWN			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	INDEPENDENT GROCERY STORE- UNKNOWN LIQUID TO LAND FROM STORE'S BASEMENT.				
Contaminant Qty:					

47	2 of 38	NNE/211.9	72.9 / 0.00	WESTGATE HOME HARDWARE 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	PES
Detail Licence No:				Operator Box:	
Licence No:				Operator Class:	
Status:				Operator No:	
Approval Date:				Operator Type:	
Report Source:				Oper Area Code:	
Licence Type:	Vendor			Oper Phone No:	
Licence Type Code:				Operator Ext:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:				Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
47	3 of 38	NNE/211.9	72.9 / 0.00	R. WHITE (SEE & USE ON2588408) 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator No: ON2572800 Status: Approval Years: 00,01 Contam. Facility: MHSW Facility: SIC Code: 6031 SIC Description: PHARMACIES		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
<u>Detail(s)</u>					
Waste Class: 261		Waste Class Desc: PHARMACEUTICALS			
Waste Class: 312		Waste Class Desc: PATHOLOGICAL WASTES			
47	4 of 38	NNE/211.9	72.9 / 0.00	SHOPPERS DRUG MART 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator No: ON2588408 Status: Approval Years: 00,01 Contam. Facility: MHSW Facility: SIC Code: 6031 SIC Description: PHARMACIES		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:			
<u>Detail(s)</u>					
Waste Class: 261		Waste Class Desc: PHARMACEUTICALS			
Waste Class: 312		Waste Class Desc: PATHOLOGICAL WASTES			
47	5 of 38	NNE/211.9	72.9 / 0.00	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z 7L3	PES
Detail Licence No: Licence No: Status: Approval Date:		Operator Box: Operator Class: Operator No: Operator Type:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Source: Licence Type: Limited Vendor Licence Type Code: 23 Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:				Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
47	6 of 38	NNE/211.9	72.9 / 0.00	RIOCAN HOLDINGS INC 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator No: ON6325224 Status: Approval Years: 05 Contam. Facility: MHSW Facility: SIC Code: 531310 SIC Description: Real Estate Property Managers				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
47	7 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: ON9362784 Status: Approval Years: 06,07,08 Contam. Facility: MHSW Facility: SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
47	8 of 38	NNE/211.9	72.9 / 0.00	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z 7L3	PES
Detail Licence No:				Operator Box:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence No: Status: Approval Date: Report Source: Licence Type: Vendor Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:				Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	
47	9 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: ON9362784 Status: Approval Years: 2009 Contam. Facility: MHSW Facility: SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
Detail(s)					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
47	10 of 38	NNE/211.9	72.9 / 0.00	riocan management 1309 carling ave ottawa ON K1Z 7L3	GEN
Generator No: ON9277081 Status: Approval Years: 2010 Contam. Facility: MHSW Facility: SIC Code: 531120 SIC Description: Lessors of Non-Residential Buildings (except Mini-Warehouses)				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
Detail(s)					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
47	11 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: ON9362784 Status:				PO Box No: Country:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	2010 622111			Choice of Contact: Co Admin: Phone No Admin: General (except Paediatric) Hospitals	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		261 PHARMACEUTICALS			
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES			
47	12 of 38	NNE/211.9	72.9 / 0.00	Narmin Jalaludin Drugs Mart Limited 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8397469 2011 446110, 446120			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
47	13 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON9362784 2011 622111			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: General (except Paediatric) Hospitals	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES			
Waste Class: Waste Class Desc:		261 PHARMACEUTICALS			
47	14 of 38	NNE/211.9	72.9 / 0.00	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z7L3	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude:	13127 Legacy Licenses (Excluding TS) Limited Vendor 23 01			Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 613 Oper Phone No: 7224277 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot: Concession: Region: District: County: Trade Name: PDF Link:					
Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:					
47	15 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON9362784			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	General (except Paediatric) Hospitals				
Detail(s)					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
47	16 of 38	NNE/211.9	72.9 / 0.00	Riocan Management 1309 Carling Ave Ottawa ON	GEN
Generator No:	ON9277081			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531120				
SIC Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)				
Detail(s)					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
47	17 of 38	NNE/211.9	72.9 / 0.00	Riocan Management 1309 Carling Ave Ottawa ON	GEN
Generator No:	ON9277081			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531120, 531310				
SIC Description:	LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES), REAL ESTATE PROPERTY MANAGERS				
Detail(s)					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

47	18 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON	GEN
Generator No:	ON9362784			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	622111				
SIC Description:	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS				
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

47	19 of 38	NNE/211.9	72.9 / 0.00	1309 Carling Ave Ottawa ON K1Z0A5	EHS
Order No:	20150611005			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	17-JUN-15			Search Radius (km):	.25
Date Received:	11-JUN-15			X:	-75.734321
Previous Site Name:				Y:	45.386501
Lot/Building Size:					
Additional Info Ordered:	Topographic Maps				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	20 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON9362784			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	622111				
SIC Description:	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS				
Detail(s)					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
47	21 of 38	NNE/211.9	72.9 / 0.00	Westgate Dental Partnership, 1041255 Ontario Inc. 6-1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON4526295			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Diane Lenihan
MHSW Facility:	No			Phone No Admin:	613-761-1203 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
47	22 of 38	NNE/211.9	72.9 / 0.00	Narmin Jalaldin Drugs Ltd. 1309 CARLING AVE Ottawa ON K1Z 7L3	GEN
Generator No:	ON8867865			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Nastran Najafi-Fard
MHSW Facility:	No			Phone No Admin:	416-493-1220 Ext.3218
SIC Code:	446110				
SIC Description:	446110				
Detail(s)					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
47	23 of 38	NNE/211.9	72.9 / 0.00	Riocan Holdings Inc. 1309 Carling Ave	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON K1Z 7L3					
Generator No:	ON9277081			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Kelly Sheffield
MHSW Facility:	No			Phone No Admin:	613-722-3433 Ext.23
SIC Code:	531190, 531310, 531390				
SIC Description:	531190, REAL ESTATE PROPERTY MANAGERS, OTHER ACTIVITIES RELATED TO REAL ESTATE				
<u>Detail(s)</u>					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
47	24 of 38	NNE/211.9	72.9 / 0.00	Westgate Dental Partnership, 1041255 Ontario Inc. 6-1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON4526295			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Diane Lenihan
MHSW Facility:	No			Phone No Admin:	613-761-1203 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
47	25 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ottawa ON K1Z 7L3					
Generator No:	ON9362784			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Di Lu
MHSW Facility:	No			Phone No Admin:	613-726-3559 Ext.26
SIC Code:	622111				
SIC Description:	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
<u>47</u>	26 of 38	NNE/211.9	72.9 / 0.00	Riocan REIT 1309 Carling Ave Ottawa ON K1Z 7L3	GEN
Generator No:	ON9277081			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Kelly Sheffield
MHSW Facility:	No			Phone No Admin:	613-722-3433 Ext.23
SIC Code:	531190, 531310, 531390				
SIC Description:	531190, REAL ESTATE PROPERTY MANAGERS, OTHER ACTIVITIES RELATED TO REAL ESTATE				
<u>Detail(s)</u>					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	27 of 38	NNE/211.9	72.9 / 0.00	Narmin Jalaldin Drugs Ltd. 1309 CARLING AVE Ottawa ON K1Z 7L3	GEN
Generator No:	ON8867865			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Nastran Najafi-Fard
MHSW Facility:	No			Phone No Admin:	416-493-1220 Ext.3218
SIC Code:	446110				
SIC Description:	446110				
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

47	28 of 38	NNE/211.9	72.9 / 0.00	Riocan REIT 1309 Carling Ave Ottawa ON K1Z 7L3	GEN
Generator No:	ON9277081			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Kelly Sheffield
MHSW Facility:	No			Phone No Admin:	613-722-3433 Ext.23
SIC Code:	531190, 531310, 531390				
SIC Description:	531190, REAL ESTATE PROPERTY MANAGERS, OTHER ACTIVITIES RELATED TO REAL ESTATE				
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	29 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON9362784			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Di Lu
MHSW Facility:	No			Phone No Admin:	613-726-3559 Ext.26
SIC Code:	622111				
SIC Description:	GENERAL (EXCEPT PAEDIATRIC) HOSPITALS				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
47	30 of 38	NNE/211.9	72.9 / 0.00	Westgate Dental Partnership, 1041255 Ontario Inc. 6-1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON4526295			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Diane Lenihan
MHSW Facility:	No			Phone No Admin:	613-761-1203 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
Detail(s)					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
47	31 of 38	NNE/211.9	72.9 / 0.00	Riocan Holdings Inc. 1309 Carling Ave Ottawa ON K1Z 7L3	GEN
Generator No:	ON9277081			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
Detail(s)					
Waste Class:	112 C				
Waste Class Desc:	Acid solutions - containing heavy metals				
Waste Class:	122 C				
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)				
Waste Class:	145 I				
Waste Class Desc:	Wastes from the use of pigments, coatings and paints				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		213 I Petroleum distillates			
Waste Class: Waste Class Desc:		221 L Light fuels			
Waste Class: Waste Class Desc:		242 A Halogenated pesticides and herbicides			
Waste Class: Waste Class Desc:		251 L Waste oils/sludges (petroleum based)			
Waste Class: Waste Class Desc:		252 L Waste crankcase oils and lubricants			
Waste Class: Waste Class Desc:		263 I Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		331 I Waste compressed gases including cylinders			
47	32 of 38	NNE/211.9	72.9 / 0.00	Narmin Jalaldin Drugs Ltd. 1309 CARLING AVE Ottawa ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8867865 Registered As of Dec 2018			PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
Detail(s)					
Waste Class: Waste Class Desc:		261 A Pharmaceuticals			
Waste Class: Waste Class Desc:		312 P Pathological wastes			
47	33 of 38	NNE/211.9	72.9 / 0.00	Westgate Dental Partnership, 1041255 Ontario Inc. 6-1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4526295 Registered As of Dec 2018			PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
Detail(s)					
Waste Class: Waste Class Desc:		312 P Pathological wastes			
47	34 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON9362784 Registered As of Dec 2018			PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	261 A Pharmaceuticals				
Waste Class: Waste Class Desc:	312 P Pathological wastes				
47	35 of 38	NNE/211.9	72.9 / 0.00	Narmin Jalaldin Drugs Ltd. 1309 CARLING AVE Ottawa ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON8867865 Registered As of Oct 2019			PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	312 P Pathological wastes				
Waste Class: Waste Class Desc:	261 A Pharmaceuticals				
47	36 of 38	NNE/211.9	72.9 / 0.00	Riocan Holdings Inc. 1309 Carling Ave Ottawa ON K1Z 7L3	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON9277081 Registered As of Oct 2019			PO Box No: Country: Canada Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	263 I Misc. waste organic chemicals				
Waste Class: Waste Class Desc:	242 A Halogenated pesticides and herbicides				
Waste Class: Waste Class Desc:	331 I Waste compressed gases including cylinders				
Waste Class: Waste Class Desc:	252 L Waste crankcase oils and lubricants				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
Waste Class:		221 L			
Waste Class Desc:		Light fuels			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		112 C			
Waste Class Desc:		Acid solutions - containing heavy metals			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			

47	37 of 38	NNE/211.9	72.9 / 0.00	Westgate Dental Partnership, 1041255 Ontario Inc. 6-1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON4526295	PO Box No:			
Status:	Registered	Country:	Canada		
Approval Years:	As of Oct 2019	Choice of Contact:			
Contam. Facility:		Co Admin:			
MHSW Facility:		Phone No Admin:			
SIC Code:					
SIC Description:					

Detail(s)

Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				

47	38 of 38	NNE/211.9	72.9 / 0.00	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator No:	ON9362784	PO Box No:			
Status:	Registered	Country:	Canada		
Approval Years:	As of Oct 2019	Choice of Contact:			
Contam. Facility:		Co Admin:			
MHSW Facility:		Phone No Admin:			
SIC Code:					
SIC Description:					

Detail(s)

Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				

48	1 of 1	E/212.2	73.9 / 1.01	Ottawa ON	WWIS
Well ID:	7217444	Data Entry Status:			
Construction Date:		Data Src:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:	Monitoring and Test Hole			Date Received:	3/13/2014
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z179979			Owner:	
Tag:	A157824			Street Name:	848 MERIVALE RD
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1004719532	Elevation:	76.384262
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442649
Code OB Desc:		North83:	5026012
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	2/14/2014	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005094391
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	3.1
Formation End Depth:	6.1
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005094389
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		28			
Other Materials:		SAND			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		0.61			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005094390			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Other Materials:		CLAY			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0.61			
Formation End Depth:		3.1			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005094400			
Layer:		2			
Plug From:		0.31			
Plug To:		2.74			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005094399			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005094401			
Layer:		3			
Plug From:		2.74			
Plug To:		6.1			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					

Pipe Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Pipe ID: 1005094388
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1005094394
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 Depth To: 3.1
 Casing Diameter: 4.03
 Casing Diameter UOM: cm
 Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005094395
 Layer: 1
 Slot: 10
 Screen Top Depth: 3.1
 Screen End Depth: 6.1
 Screen Material: 5
 Screen Depth UOM: m
 Screen Diameter UOM: cm
 Screen Diameter: 4.82

Hole Diameter

Hole ID: 1005094392
 Diameter: 8.25
 Depth From: 0
 Depth To: 6.1
 Hole Depth UOM: m
 Hole Diameter UOM: cm

49	1 of 1	NW/214.9	72.9 / 0.00	ON	BORE
Borehole ID:	612935			Inclin FLG:	No
OGF ID:	215514241			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	19.4			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.386508
Total Depth m:	-999			Longitude DD:	-75.737055
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442301
Drill Method:				Northing:	5026152
Orig Ground Elev m:	74.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	79.5				
Concession:					
Location D:					
Survey D:					
Comments:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218393044			Mat Consistency:	Soft
Top Depth:	2.3			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY. GREY,SOFT.			
Geology Stratum ID:	218393041			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Soil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SOIL.			
Geology Stratum ID:	218393045			Mat Consistency:	Loose
Top Depth:	6.1			Material Moisture:	
Bottom Depth:	7.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		TILL. LOOSE.			
Geology Stratum ID:	218393046			Mat Consistency:	Dense
Top Depth:	7.8			Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		TILL. FIRM. WATER STABLE AT 181.4 FEET.BOULDERS. VERY DENSE. 00000 015 00040 030 00095 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	218393042			Mat Consistency:	Loose
Top Depth:	.3			Material Moisture:	
Bottom Depth:	.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND. LOOSE.			
Geology Stratum ID:	218393043			Mat Consistency:	Stiff
Top Depth:	.9			Material Moisture:	
Bottom Depth:	2.3			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3: Material 4: Gsc Material Description: Stratum Description:		CLAY, GREY,STIFF.		Geologic Period: Depositional Gen:	
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 054430 NTS_Sheet: 31G05G Logged by professional. Exact and complete description of material and properties.		Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level	
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada		Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator	
50	1 of 1	W/216.3	73.6 / 0.69	ON	BORE
Borehole ID: OGF ID: Status: Type: Use: Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	847269 215588937 Decommissioned Borehole Geotechnical/Geological Investigation 01-FEB-1958 2.7 13.4 Ground Surface Diamond Drill 74.7 79 CON 1 ON OTTAWA RIVER		Inclin FLG: SP Status: Surv Elev: Piezometer: Primary Name: Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	No Initial Entry No No LOT 32 NEPEAN 45.385285 -75.738019 18 442224 5026017 Within 10 metres	
Borehole Geology Stratum					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6556436 3.5 4.1 Grey Clay Silt SOFT SILTY GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Soft	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	6556438			Mat Consistency:	Dense
Top Depth:	6.1			Material Moisture:	
Bottom Depth:	6.9			Material Texture:	Medium
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	MEDIUM DENSE TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556439			Mat Consistency:	Dense
Top Depth:	6.9			Material Moisture:	
Bottom Depth:	9.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	DENSE SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556433			Mat Consistency:	Loose
Top Depth:	.3			Material Moisture:	
Bottom Depth:	1.1			Material Texture:	Fine
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE FINE SAND WITH SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556435			Mat Consistency:	Soft
Top Depth:	2			Material Moisture:	
Bottom Depth:	3.5			Material Texture:	Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	MEDIUM SOFT FISSURED GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556434			Mat Consistency:	Very Stiff
Top Depth:	1.1			Material Moisture:	
Bottom Depth:	2			Material Texture:	
Material Color:	Brown-Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	VERY STIFF FISSURED BROWNISH GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556437			Mat Consistency:	Very Loose
Top Depth:	4.1			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:		VERY LOOSE TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.		Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 6556440 Top Depth: 9.8 Bottom Depth: 11.2 Material Color: Material 1: Limestone Material 2: Shale Material 3: Material 4: Gsc Material Description: Stratum Description:		SHALY LIMESTONE AND SHALE CORE RECOVERY 78% **Note: Many records provided by the department have a truncated [Stratum Description] field.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 6556432 Top Depth: 0 Bottom Depth: .3 Material Color: Material 1: Topsoil Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:		TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 6556441 Top Depth: 11.2 Bottom Depth: 12.1 Material Color: Material 1: Limestone Material 2: Shale Material 3: Material 4: Gsc Material Description: Stratum Description:		SHALY LIMESTONE CORE RECOVERY 88% **Note: Many records provided by the department have a truncated [Stratum Description] field.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 6556442 Top Depth: 12.1 Bottom Depth: 13.4 Material Color: Material 1: Limestone Material 2: Shale Material 3: Material 4: Gsc Material Description: Stratum Description:		SHALY LIMESTONE CORE RECOVERY 98% **Note: Many records provided by the department have a truncated [Stratum Description] field.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	

51	1 of 1	WSW/216.3	73.9 / 1.00	Meath Street Ottawa ON	EHS
Order No:	20150716069			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	23-JUL-15			Search Radius (km):	.25
Date Received:	16-JUL-15			X:	-75.73745
Previous Site Name:				Y:	45.383829
Lot/Building Size:					
Additional Info Ordered:	City Directory; Aerial Photos				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
52	1 of 1	E/216.4	73.9 / 1.00	858, 864-868 Merivale, 1246 Thames Ottawa ON	EHS
Order No:	20061204014			Nearest Intersection:	Merivale/Thames
Status:	C			Municipality:	Ottawa
Report Type:	Complete Report			Client Prov/State:	ON
Report Date:	12/12/2006			Search Radius (km):	0.25
Date Received:	12/4/2006			X:	-75.732525
Previous Site Name:				Y:	45.384862
Lot/Building Size:					
Additional Info Ordered:					
53	1 of 1	ESE/217.2	73.7 / 0.79	1255 Coldrey Avenue Ottawa ON	EHS
Order No:	20101220023			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	12/29/2010			Search Radius (km):	0.25
Date Received:	12/20/2010 4:23:42 PM			X:	-75.732986
Previous Site Name:				Y:	45.383933
Lot/Building Size:					
Additional Info Ordered:					
54	1 of 1	E/217.7	73.9 / 1.01	Ottawa ON	WWIS
Well ID:	7217443			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	3/13/2014
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z179980			Owner:	
Tag:	A157825			Street Name:	848 MERIVALE AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
Bore Hole Information					
Bore Hole ID:	1004719529			Elevation:	76.687339
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442655
Code OB Desc:				North83:	5026008
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	2/14/2014			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Location Source Date:
 Improvement Location Source:
 Improvement Location Method:
 Source Revision Comment:
 Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 1005092689
 Layer: 1
 Color: 6
 General Color: BROWN
 Mat1: 11
 Most Common Material: GRAVEL
 Mat2: 28
 Other Materials: SAND
 Mat3: 85
 Other Materials: SOFT
 Formation Top Depth: 0
 Formation End Depth: 0.61
 Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1005092691
 Layer: 3
 Color: 2
 General Color: GREY
 Mat1: 28
 Most Common Material: SAND
 Mat2: 05
 Other Materials: CLAY
 Mat3: 85
 Other Materials: SOFT
 Formation Top Depth: 3.1
 Formation End Depth: 6.1
 Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 1005092690
 Layer: 2
 Color: 2
 General Color: GREY
 Mat1: 06
 Most Common Material: SILT
 Mat2: 05
 Other Materials: CLAY
 Mat3: 85
 Other Materials: SOFT
 Formation Top Depth: 0.61
 Formation End Depth: 3.1
 Formation End Depth UOM: m

Annular Space/Abandonment
Sealing Record

Plug ID: 1005092700
 Layer: 2

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		0.31			
Plug To:		2.74			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005092701			
Layer:		3			
Plug From:		2.74			
Plug To:		6.1			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005092699			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005092688			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005092694			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3.1			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005092695			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.1			
Screen End Depth:		6.1			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:			1005092692		
Diameter:			8.25		
Depth From:			0		
Depth To:			6.1		
Hole Depth UOM:			m		
Hole Diameter UOM:			cm		
<u>55</u>	1 of 3	ENE/221.5	74.1 / 1.20	Macies Hotel Ltd. 1274 Carling Ave. Ottawa ON K1Z 7K8	GEN
Generator No:	ON2619626			PO Box No:	
Status:				Country:	
Approval Years:	05			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	721111				
SIC Description:	Hotels				
<u>Detail(s)</u>					
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
<u>55</u>	2 of 3	ENE/221.5	74.1 / 1.20	Macies Hotel Ltd. 1274 Carling Ave. Ottawa ON K1Z 7K8	GEN
Generator No:	ON5260329			PO Box No:	
Status:				Country:	
Approval Years:	05			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	721111				
SIC Description:	Hotels				
<u>Detail(s)</u>					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
<u>55</u>	3 of 3	ENE/221.5	74.1 / 1.20	1274 Carling Ave Ottawa ON K1Z7K8	EHS
Order No:	20140107042			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	14-JAN-14			Search Radius (km):	.25
Date Received:	07-JAN-14			X:	-75.732748
Previous Site Name:				Y:	45.385886
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	1 of 1	NNE/221.8	72.9 / 0.00	1255 Carling Avenue Ottawa ON	EHS
Order No:	20150729034			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	05-AUG-15			Search Radius (km):	.25
Date Received:	29-JUL-15			X:	-75.734638
Previous Site Name:				Y:	45.386978
Lot/Building Size:					
Additional Info Ordered:					

57	1 of 1	WSW/224.4	73.9 / 1.00	ON	WWIS
Well ID:	7264815			Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	6/15/2016
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:				Abandonment Rec:	
Water Type:				Contractor:	7543
Casing Material:				Form Version:	8
Audit No:	C33484			Owner:	
Tag:	A173573			Street Name:	
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006054429			Elevation:	75.598808
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	442231
Code OB Desc:				North83:	5025901
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	6
Date Completed:	6/9/2016			UTMRC Desc:	margin of error : 300 m - 1 km
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

58	1 of 1	WSW/229.3	73.9 / 1.00	OTTAWA ON	WWIS
Well ID:	7302288			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	12/22/2017
Sec. Water Use:	Monitoring			Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7241

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:				Form Version:	7
Audit No:	Z263660			Owner:	
Tag:	A182591			Street Name:	1400 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1006928775	Elevation:	75.689544
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	442227
Code OB Desc:		North83:	5025898
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	11/3/2017	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	1007107126
Layer:	2
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	5.18
Formation End Depth:	7.32
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	1007107125
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Other Materials:	CLAY
Mat3:	85
Other Materials:	SOFT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0			
Formation End Depth:		5.18			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007107135			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007107136			
Layer:		2			
Plug From:		0.31			
Plug To:		3.96			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007107137			
Layer:		3			
Plug From:		3.96			
Plug To:		7.32			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007107124			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007107129			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		4.27			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Screen ID:		1007107131			
Layer:		2			
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Construction Record - Screen</u>					
Screen ID:		1007107130			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.27			
Screen End Depth:		7.32			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Hole Diameter</u>					
Hole ID:		1007107127			
Diameter:		8.25			
Depth From:		0			
Depth To:		7.32			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
59	1 of 1	<i>E/230.2</i>	<i>73.8 / 0.92</i>	OTTAWA CITY - LEASIDE AVE./WOODWARD DR. MERIVALE RD./THAMES ST. OTTAWA CITY ON	CA
Certificate #:		3-0631-92-			
Application Year:		92			
Issue Date:		6/10/1992			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<hr/>					
60	1 of 12	<i>SE/241.1</i>	<i>73.9 / 1.00</i>	SHELL CANADA PRODUCTS LTD. 900 MERIVALE RD. TANK TRUCK (CARGO) OTTAWA CITY ON K1Z 5Z8	SPL
Ref No:		65928			
Site No:					
Incident Dt:		1/9/1992			
Year:					
Incident Cause:		PIPE/HOSE LEAK			
Incident Event:					
Contaminant Code:					
Contaminant Name:					
				Discharger Report:	
				Material Group:	
				Health/Env Conseq:	
				Client Type:	
				Sector Type:	
				Agency Involved:	
				Nearest Watercourse:	
				Site Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: POSSIBLE Nature of Impact: Soil Contamination Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 1/9/1992 Dt Document Closed: Incident Reason: ERROR Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL HOME HEATING: 2 L FUEL OIL TO GRND FROM HOSE. Contaminant Qty:				Site District Office: Site Postal Code: Site Region: Site Municipality: 20101 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
60	2 of 12	SE/241.1	73.9 / 1.00	SHELL CANADA PRODUCTS LTD. 900 MERIVALLE ROAD SCHOOL FURNACE OIL TANK TANK TRUCK (CARGO) OTTAWA CITY ON	SPL
Ref No: 81214 Site No: Incident Dt: 1/24/1993 Year: Incident Cause: CONTAINER OVERFLOW Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: POSSIBLE Nature of Impact: Multi Media Pollution Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 1/24/1993 Dt Document Closed: Incident Reason: ERROR Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: SHELL-300 L FURNACE OIL TO GRND,OVERFILLED TANK, FD,CLEANUP ONGOING. Contaminant Qty:				Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20101 Site Lot: Site Conc: Northing: Easting: FD. Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
60	3 of 12	SE/241.1	73.9 / 1.00	900 Merivale Rd Ottawa ON K1Z 5Z8	EHS
Order No: 20130125028 Status: C Report Type: Standard Report Report Date: 05-FEB-13 Date Received: 25-JAN-13 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.733573 Y: 45.383236	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	4 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621494				
SIC Description:	Community Health Centres				
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
60	5 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621494				
SIC Description:	Community Health Centres				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
60	6 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621494				
SIC Description:	Community Health Centres				
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	7 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621494				
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
60	8 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621494				
SIC Description:	621494				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
60	9 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621494				
SIC Description:	621494				
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	10 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621494				
SIC Description:	621494				
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
60	11 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
60	12 of 12	SE/241.1	73.9 / 1.00	Carlington Community Health Centre 900 Merivale Road Ottawa ON K1Z 5Z8	GEN
Generator No:	ON4564006			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Oct 2019			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
Waste Class:	261 A				
Waste Class Desc:	Pharmaceuticals				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
61	1 of 1	SE/243.0	73.9 / 1.00	lot 33 con 2 ON	WWIS
Well ID:		1510612		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 7/24/1951	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 3725	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: OTTAWA CITY (NEPEAN)	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 033	
Well Depth:				Concession: 02	
Overburden/Bedrock:				Concession Name: OF	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:		10032638		Elevation: 76.436805	
DP2BR:		18		Elevrc:	
Spatial Status:				Zone: 18	
Code OB:		r		East83: 442595.7	
Code OB Desc:		Bedrock		North83: 5025802	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC: 9	
Date Completed:		8/20/1949		UTMRC Desc: unknown UTM	
Remarks:				Location Method: p9	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931015366			
Layer:		2			
Color:					
General Color:					
Mat1:		26			
Most Common Material:		ROCK			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		18			
Formation End Depth:		65			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931015365			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	1				
Color:					
General Color:					
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	13				
Other Materials:	BOULDERS				
Mat3:	09				
Other Materials:	MEDIUM SAND				
Formation Top Depth:	0				
Formation End Depth:	18				
Formation End Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10581208				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930057853				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	65				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930057852				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	18				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991510612				
Pump Set At:					
Static Level:	45				
Final Level After Pumping:	45				
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		N			
<u>Water Details</u>					
Water ID:		933465640			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		65			
Water Found Depth UOM:		ft			

62	1 of 1	E/243.7	73.9 / 1.05	853 Merivale Road, Ottawa ON	PINC
Incident ID:	2768104			Health Impact:	No
Incident No:	611482			Environment Impact:	No
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike			Enforce Policy:	Yes
Fuel Type:	Natural Gas			Public Relation:	No
Tank Status:	RC Established			Pipeline System:	
Task No:	3379890			Depth:	39
Spills Action Centre:				Pipe Material:	Plastic
Method Details:	E-mail			PSIG:	53
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:	6/11/2011 0:00			Regulator Location:	Outside
Occurrence Start Date:	2011/06/13				
Operation Type:	Construction Site (pipeline strike)				
Pipeline Type:	Service / Riser Distribution Pipeline				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Summary:	853 Merivale Road, Ottawa - 1 ¼" Pipeline Hit				
Reported By:	Wayne Pilon - TSSA				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	Mistook Copper Water Service For Gas Line.				
Damage Reason:	Excavation practices not sufficient				
Notes:	Imprudent Excavation.				

63	1 of 1	WSW/244.2	73.9 / 1.00	OTTAWA ON	WWIS
Well ID:	7302287			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Test Hole			Date Received:	12/22/2017
Sec. Water Use:	Monitoring			Selected Flag:	Yes
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z263659			Owner:	
Tag:	A182590			Street Name:	1400 CARLING AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006928772
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/3/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 74.541893
Elevrc:
Zone: 18
East83: 442239
North83: 5025846
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

**Overburden and Bedrock
Materials Interval**

Formation ID: 1007107112
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0.31
Formation End Depth: 2.13
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 1007107113
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Other Materials: SAND
Mat3: 66
Other Materials: DENSE
Formation Top Depth: 2.13
Formation End Depth: 4.27
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1007107111			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Other Materials:					
Mat3:		77			
Other Materials:		LOOSE			
Formation Top Depth:		0			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007107123			
Layer:		3			
Plug From:		0.91			
Plug To:		4.27			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007107122			
Layer:		2			
Plug From:		0.31			
Plug To:		0.91			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007107121			
Layer:		1			
Plug From:		0			
Plug To:		0.31			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1007107110			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007107116			
Layer:		1			
Material:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 1.22
Casing Diameter: 4.03
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007107117
Layer: 1
Slot: 10
Screen Top Depth: 1.22
Screen End Depth: 4.27
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.82

Hole Diameter

Hole ID: 1007107114
Diameter: 8.25
Depth From: 0
Depth To: 4.27
Hole Depth UOM: m
Hole Diameter UOM: cm

64	1 of 1	SW/244.8	74.6 / 1.72	Shred-It Canada Corporation Inc. 858 Meath St. Ottawa ON	SPL
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Ref No: 6776-9MJRCF Site No: NA Incident Dt: 2014/07/31 Year: Incident Cause: Leak/Break Incident Event: Contaminant Code: 15 Contaminant Name: HYDRAULIC OIL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Soil Contamination Receiving Medium: Receiving Env: MOE Response: No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 2014/07/31 Dt Document Closed: 2014/10/08 Incident Reason: Equipment Failure Site Name: Roadway <UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Shred-it - 45 L of hydraulic to road. Contaminant Qty: 45 L	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Truck - Transport/Hauling Agency Involved: Nearest Watercourse: Site Address: 858 Meath St. Site District Office: Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Land Spills Source Type:
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65	1 of 1	S/246.7	73.9 / 1.00	1311 Couldrey Ave Ottawa ON	SPL
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Ref No: 2241-A7NKZD	Discharger Report:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p> Site No: NA Incident Dt: 2016/03/01 Year: Incident Cause: Incident Event: Leak/Break Contaminant Code: 13 Contaminant Name: FURNACE OIL Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Land MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 2016/03/02 Dt Document Closed: Incident Reason: Operator/Human Error Site Name: AST<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSA/MOE - Couldrey Ave, furnace spill Contaminant Qty: 300 L </p> <p> Material Group: Health/Env Conseq: Client Type: Sector Type: Miscellaneous Communal Agency Involved: Nearest Watercourse: Site Address: 1311 Couldrey Ave Site District Office: Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Primary Assessment of Spills Source Type: </p>					
66	1 of 7	WSW/247.8	73.9 / 1.00	1062473 ONTARIO INC 1400 CARLING AVENUE OTTAWA ON K1Z 7L8	GEN
<p> Generator No: ON3414562 Status: Approval Years: 05 Contam. Facility: MHSW Facility: SIC Code: 721111 SIC Description: Hotels </p> <p> PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: </p> <p>Detail(s)</p> <p> Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES </p>					
66	2 of 7	WSW/247.8	73.9 / 1.00	1062473 ONTARIO Inc. 1400 CARLING AVENUE OTTAWA ON K1Z 7L8	GEN
<p> Generator No: ON5477297 Status: Approval Years: 05 Contam. Facility: MHSW Facility: SIC Code: 721111 SIC Description: Hotels </p> <p> PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: </p> <p>Detail(s)</p> <p> Waste Class: 145 Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES </p>					
66	3 of 7	WSW/247.8	73.9 / 1.00	6512062 Canada Inc. 1400 Carling Ave	CA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Ottawa ON K1Z 7L8

Certificate #: 8371-8HWQLM
Application Year: 2011
Issue Date: 6/30/2011
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

66	4 of 7	WSW/247.8	73.9 / 1.00	1400 Carling Avenue Ottawa ON K1Z 7L8	EHS
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Order No: 20111129026	Nearest Intersection:
Status: C	Municipality:
Report Type: Custom Report	Client Prov/State: ON
Report Date: 12/6/2011 2:15:20 PM	Search Radius (km): 0.25
Date Received: 11/29/2011 2:15:20 PM	X: -75.73841
Previous Site Name:	Y: 45.384101
Lot/Building Size:	
Additional Info Ordered:	

66	5 of 7	WSW/247.8	73.9 / 1.00	6512062 Canada Inc. 1400 Carling Ave Ottawa ON K1Z 7L8	ECA
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Approval No: 8371-8HWQLM	MOE District: Ottawa
Approval Date: 2011-06-30	City:
Status: Approved	Longitude: -75.73830000000001
Record Type: ECA	Latitude: 45.38357
Link Source: IDS	Geometry X:
SWP Area Name: Rideau Valley	Geometry Y:
Approval Type: ECA-AIR	
Project Type: AIR	
Address: 1400 Carling Ave	
Full Address:	
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1093-8A9RAW-14.pdf	

66	6 of 7	WSW/247.8	73.9 / 1.00	Embassy West Senior Living 1400 Carling Ave Ottawa ON K1Z 7L8	GEN
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Generator No: ON7604628	PO Box No:
Status: Registered	Country: Canada
Approval Years: As of Dec 2018	Choice of Contact:
Contam. Facility:	Co Admin:
MHSW Facility:	Phone No Admin:
SIC Code:	
SIC Description:	

Detail(s)

Waste Class: 221 L

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Light fuels			
66	7 of 7	WSW/247.8	73.9 / 1.00	1400 Carling Ave Ottawa ON K1Z7L8	EHS
Order No:	20170929082			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	05-OCT-17			Search Radius (km):	.25
Date Received:	29-SEP-17			X:	-75.738272
Previous Site Name:				Y:	45.383713
Lot/Building Size:					
Additional Info Ordered:					
67	1 of 1	SSW/249.3	74.6 / 1.69	ON	BORE
Borehole ID:	612890			Inclin FLG:	No
OGF ID:	215514196			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	AUG-1954			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.382868
Total Depth m:	14.3			Longitude DD:	-75.736114
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442371
Drill Method:				Northing:	5025747
Orig Ground Elev m:	76.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	75.1				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218392865			Mat Consistency:	Soft
Top Depth:	9.1			Material Moisture:	
Bottom Depth:	14.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	organic
Gsc Material Description:					
Stratum Description:	LIMESTONE. 00047 CLAY. SOFT. ORGANIC. SOFT. 03800065T.BEDROCK. 00000 023 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218392864			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				

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

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 05398 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

[68](#) 1 of 1 **SSW/249.4** **74.6 / 1.69** **ON** **WWIS**

Well ID: 1508043
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/21/1954
Selected Flag: Yes
Abandonment Rec:
Contractor: 1301
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10030078
DP2BR: 30
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 8/5/1954
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 75.098747
Elevrc:
Zone: 18
East83: 442370.7
North83: 5025747
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931008660			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		30			
Formation End Depth:		47			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931008659			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		30			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10578648			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930052813			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		47			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930052812			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		30			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991508043			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		12			
Recommended Pump Depth:					
Pumping Rate:		6			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Water Details</u>					
Water ID:		933462385			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		30			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933462386			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		47			
Water Found Depth UOM:		ft			

[69](#) 1 of 1 **W/249.9** **73.9 / 1.00** **ON** **BORE**

Borehole ID:	847270	Inclin FLG:	No
OGF ID:	215588938	SP Status:	Initial Entry
Status:	Decommissioned	Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:	Geotechnical/Geological Investigation	Primary Name:	
Completion Date:	01-FEB-1958	Municipality:	
Static Water Level:	1.2	Lot:	LOT 32
Primary Water Use:		Township:	NEPEAN
Sec. Water Use:		Latitude DD:	45.385444
Total Depth m:	14.6	Longitude DD:	-75.738417

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	442193
Drill Method:	Diamond Drill			Northing:	5026035
Orig Ground Elev m:	75.5			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Within 10 metres
DEM Ground Elev m:	79.6				
Concession:	CON 1 ON OTTAWA RIVER				
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	6556453			Mat Consistency:	Dense
Top Depth:	7.2			Material Moisture:	
Bottom Depth:	8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	DENSE SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556459			Mat Consistency:	
Top Depth:	14			Material Moisture:	
Bottom Depth:	14.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SHALEY LIMESTONE CORE RECOVERY 100% **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556445			Mat Consistency:	Loose
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	Fine
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LOOSE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556455			Mat Consistency:	Dense
Top Depth:	8.7			Material Moisture:	
Bottom Depth:	10.8			Material Texture:	Fine
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Coarse Sand			Geologic Group:	
Material 3:	Stones			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	DENSE FINE SAND WITH SOME COARSE SAND AND A FEW STONES **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556446			Mat Consistency:	Very Stiff
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	2.3			Material Texture:	
Material Color:	Brown-Grey			Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Clay			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
				VERY STIFF BROWNISH GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6556447 2.3 3 Brown-Grey Clay			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Stiff
				STIFF FISSURED BROWNISH GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6556448 3 4.6 Grey Clay			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Soft Medium
				MEDIUM SOFT FISSURED GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6556451 5.9 6.9 Grey Clay Silt Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Soft Medium
				MEDIUM SOFT FISSURED SILTY GRAY CLAY WITH LAYERS OF WELL-GRADED SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6556450 5.3 5.9 Grey Clay Silt			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Soft Medium
				MEDIUM SOFT FISSURED SILTY GRAY CLAY **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6556452 6.9 7.2 Till Sand			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Loose
				LOOSE SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description]	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				field.	
Geology Stratum ID:	6556456			Mat Consistency:	
Top Depth:	10.8			Material Moisture:	
Bottom Depth:	11.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	WEATHERED SANDY LIMESTONE **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556458			Mat Consistency:	
Top Depth:	13			Material Moisture:	
Bottom Depth:	14			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SHALEY LIMESTONE CORE RECOVERY 83% **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556457			Mat Consistency:	
Top Depth:	11.3			Material Moisture:	
Bottom Depth:	13			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SHALEY LIMESTONE CORE RECOVERY 94% **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556443			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Topsoil			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	TOPSOIL **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556449			Mat Consistency:	Soft
Top Depth:	4.6			Material Moisture:	
Bottom Depth:	5.3			Material Texture:	Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	MEDIUM SOFT FISSURED GRAY CLAY WITH SOME SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	6556444			Mat Consistency:	Dense
Top Depth:	.3			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	Fine
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		MEDIUM DENSE FINE SAND **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	6556454			Mat Consistency:	Dense
Top Depth:	8			Material Moisture:	
Bottom Depth:	8.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Boulders			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BOULDERS IN DENSE SANDY TILL **Note: Many records provided by the department have a truncated [Stratum Description] field.			

Unplottable Summary

Total: **61** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OF OTTAWA-CARLETON	MERIVALE RD. RECONT. WOODFIELD	NEPEAN CITY ON	
CA	WESMAR HOMES LTD.	CARLING AVE.	NEPEAN CITY ON	
CA	JAMES STEWART	MERIVALE RD. STEWART FUELS	NEPEAN CITY ON	
CA	J. PEREZ CONSTRUCTION LTD.	MERIVALE RD.	NEPEAN CITY ON	
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA CITY ON	
CA	MINTO CONSTRUCTION LTD.	MERIVALE RD.	NEPEAN CITY ON	
CA		Merivale Road	Nepean ON	
CA		Merivale Road	Nepean ON	
CA	NORTHERN TELECOM LTD., CARLING CAMPUS	CARLING AVENUE (SWM)	NEPEAN ON	
CA	SHELL CANADA PRODUCTS LIMITED	MERIVALE RD., BULK TANK FARM	NEPEAN CITY ON	
CA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	
CA	City of Ottawa	Carling Avenue (Road allownce)	Ottawa ON	
CA	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Facility	Ottawa ON	
CA	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Jaw Crusher	Ottawa ON	
CA	City of Ottawa	Thames Street From Merivale Road to Dead end	Ottawa ON	
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	REG.MUN.OF OTTAWA-CARLETON	QUEENSWAY N.	OTTAWA ON	
CA	MINTO CONSTRUCTION LTD.	MERIVALE RD. EAST SIDE	NEPEAN CITY ON	

CA	City of Nepean	MERIVALE RD./S.W.MGT	NEPEAN CITY ON	
CA	JAMES STEWART	MERIVALE RD.	NEPEAN CITY ON	
CONV	SHELL CANADA PRODUCTS LIMITED		DON MILLS ON	
CONV	Colautti Construction Ltd		Ottawa ON	
EBR	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Jaw Crusher Ottawa K1T 3V7 CITY OF OTTAWA	ON	
EBR	Northern Telecom Canada Limited, Ottawa Carling Campus	Carling Campus, City of Ottawa CITY OF OTTAWA	ON	
ECA	Enviro-Grind Ltd. operating as Colautti Construction Ltd.	Mobile Facility	Ottawa ON	K1T 3V7
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Carling Ave	Ottawa ON	K2G 6J8
ECA	City of Ottawa	Meath St between Carling Avenue and Thames Street	Ottawa ON	K2G 6J8
EHS		Hwy 417	Ottawa ON	
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	Carmelo Idone	Rear Merivale Rd.	Ottawa ON	K1Z 6A5
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	7770251 CANADA INC	MERIVALE ROAD	OTTAWA ON	
GEN	GVT OF CAN-HEALTH&WELFARE CAN.MED. 16-303	SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST.	OTTAWA ON	K1A 0L3
PRT	SHELL CANADA PRODUCTS LTD	MERIVALE RD	OTTAWA ON	
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON	
SPL	SHELL CANADA PRODUCTS	TANK TRUCK (CARGO)	OTTAWA CITY ON	

	LTD.		
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ONTARIO HYDRO	MERIVALE RD TRANSFORMER STATION TRANSFORMER	NEPEAN CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	MERRIVALE ROAD BULK PLANT (N.O.S.)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	SERVICE STATION	OTTAWA CITY ON
SPL	OTTAWA TRANSIT	CARLING AVENUE BUS	OTTAWA ON
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	Unknown<UNOFFICIAL>	Hwy 417, near Queen Elizabeth Dr	Ottawa ON
SPL	Shell Canada Products Limited	Shell Canada	Ottawa ON
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON
SPL	NATIONAL GROCERS	MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON
SPL	City of Ottawa	Highway 417	Ottawa ON
SPL	Drain-All Ltd.	Hwy 417 Westbound near Carling off-ramp	Ottawa ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	HOTEL/MOTEL	CARLING AVENUE (N.O.S.)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	SHELL CANADA PRODUCTS LTD.	MERRIVALE ROAD SERVICE STATION	NEPEAN CITY ON
WWIS		lot 34	ON
WWIS		lot 34	ON
WWIS			Ottawa ON

Unplottable Report

Site: R.M. OF OTTAWA-CARLETON
MERIVALE RD. RECONT. WOODFIELD NEPEAN CITY ON

Database:
CA

Certificate #: 3-0317-88-
Application Year: 88
Issue Date: 3/17/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: WESMAR HOMES LTD.
CARLING AVE. NEPEAN CITY ON

Database:
CA

Certificate #: 3-1205-88-
Application Year: 88
Issue Date: 7/18/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: JAMES STEWART
MERIVALE RD. STEWART FUELS NEPEAN CITY ON

Database:
CA

Certificate #: 3-1845-88-
Application Year: 88
Issue Date: 10/6/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: J. PEREZ CONSTRUCTION LTD.
MERIVALE RD. NEPEAN CITY ON

Database:
CA

Certificate #: 3-1266-86-
Application Year: 86

Issue Date: 9/10/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **L.SIPOLINS**
SOUTH OF CARLING AVE. OTTAWA CITY ON

Database:
CA

Certificate #: 7-1008-85-006
Application Year: 85
Issue Date: 11/15/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **MINTO CONSTRUCTION LTD.**
MERIVALE RD. NEPEAN CITY ON

Database:
CA

Certificate #: 3-0874-85-006
Application Year: 85
Issue Date: 8/14/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Merivale Road Nepean ON**

Database:
CA

Certificate #: 6408-4PJHR7
Application Year: 00
Issue Date: 9/27/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Installation of watermains and appurtenances in Merivale Road from Amberwood Crescent to approximately 100 m north of Fallowfield Road.
Contaminants:
Emission Control:

Site: *Merivale Road Nepean ON* **Database:** *CA*

Certificate #: 0030-4N8JQX
Application Year: 00
Issue Date: 8/17/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Installation of watermains on Merivale Road, Boyce Street
Contaminants:
Emission Control:

Site: *NORTHERN TELECOM LTD., CARLING CAMPUS
CARLING AVENUE (SWM) NEPEAN ON* **Database:** *CA*

Certificate #: 3-1624-98-
Application Year: 98
Issue Date: 11/17/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *SHELL CANADA PRODUCTS LIMITED
MERIVALE RD., BULK TANK FARM NEPEAN CITY ON* **Database:** *CA*

Certificate #: 4-0099-91-
Application Year: 91
Issue Date: 11/14/1991
Approval Type: Industrial wastewater
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: MODIFY OIL/WATER SEPARATOR
Contaminants:
Emission Control:

Site: *City of Ottawa
Works within an easement adjacent to Merivale Rd Ottawa ON* **Database:** *CA*

Certificate #: 0702-82CL4A
Application Year: 2010
Issue Date: 2/8/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa
Carling Avenue (Road allowance) Ottawa ON*

Database:
CA

Certificate #: 3615-6QHRAR
Application Year: 2006
Issue Date: 6/13/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Enviro-Grind Ltd. operating as Colautti Construction Ltd.
Mobile Facility Ottawa ON*

Database:
CA

Certificate #: 2617-7QQKQB
Application Year: 2009
Issue Date: 4/30/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Enviro-Grind Ltd. operating as Colautti Construction Ltd.
Mobile Jaw Crusher Ottawa ON*

Database:
CA

Certificate #: 5388-7QPQL2
Application Year: 2009
Issue Date: 4/30/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa
Thames Street From Merivale Road to Dead end Ottawa ON*

Database:
CA

Certificate #: 9308-87KLD9
Application Year: 2010
Issue Date: 7/29/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved

Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Ottawa
Carling Ave Ottawa ON

Database:
CA

Certificate #: 2472-8GRQTN
Application Year: 2011
Issue Date: 5/20/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: REG.MUN.OF OTTAWA-CARLETON
QUEENSWAY N. OTTAWA ON

Database:
CA

Certificate #: 3-0468-85-006
Application Year: 85
Issue Date: 6/4/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MINTO CONSTRUCTION LTD.
MERIVALE RD. EAST SIDE NEPEAN CITY ON

Database:
CA

Certificate #: 7-0594-85-006
Application Year: 85
Issue Date: 7/25/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: City of Nepean
MERIVALE RD./S.W.MGT NEPEAN CITY ON

Database:
CA

Certificate #: 3-1378-92-
Application Year: 92
Issue Date: 11/30/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: JAMES STEWART
MERIVALE RD. NEPEAN CITY ON

Database:
CA

Certificate #: 7-1585-88-
Application Year: 88
Issue Date: 10/6/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: SHELL CANADA PRODUCTS LIMITED
DON MILLS ON

Database:
CONV

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: DISCHARGING A CONTAMINANT - ADVERSE EFFECT
Background:
URL:

Location:
Region: SOUTH EAST REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:
Section: 13(1)
Act/Regulation/Section: EPA- -13(1)
Date of Offence:
Date of Conviction:
Date Charged: 92/05/12
Charge Disposition:
Fine: 90000
Synopsis:

Site: Colautti Construction Ltd
Ottawa ON

Database:
CONV

File No: 108583
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description:

Location:
Region:
Ministry District:

The City of Ottawa and its contractor were fined \$120,000 for failing to comply with a permit to take water and discharging sediment into Stillwater Creek, a tributary of the Ottawa River. 'Polluters should be aware that the ministry's Investigations and Enforcement Branch will vigorously pursue charges when our environmental laws are broken', said Environment Minister Jim Bradley. In 2010, the city awarded a contract for a water main installation along several streets in Ottawa to Colautti Construction Ltd. ' a local company that specializes in the construction of sewer and water lines. For dewatering required by construction, a permit to take water was issued to the City that required a number of conditions including turbidity testing. Following reports in August 2010 of possible impairments to Stillwater Creek as a result of drilling work, a ministry investigation found the company was responsible for a discharge of sediment into Stillwater Creek. Although there was no evidence of any actual impact to fish in Stillwater Creek as a result of the sediment discharge on that day, sediment discharges can adversely affect fish and benthic organisms. The City was also found to have not been conducting the required turbidity testing. The City of Ottawa and Colautti Construction Ltd. were fined a total of \$120,000 plus victim fine surcharges of \$30,000 and were given sixty days to pay the fines.

Background:
URL:

Additional Details

Publication Date:
Count:
Act:
Regulation:
Section:
Act/Regulation/Section:
Date of Offence:
Date of Conviction:
Date Charged: May 31, 2013
Charge Disposition: fine, victim fine surcharge
Fine: \$120,000
Synopsis:

Additional Details

Publication Date:
Count:
Act: Pesticides Act
Regulation:
Section:
Act/Regulation/Section: Pesticides Act
Date of Offence:
Date of Conviction:
Date Charged: March 10, 2014
Charge Disposition: fine, victim fine surcharge
Fine: \$5,000
Synopsis:

Site: Enviro-Grind Ltd. operating as Colautti Construction Ltd.
Mobile Jaw Crusher Ottawa K1T 3V7 CITY OF OTTAWA ON

Database:
EBR

EBR Registry No: 012-5817
Ministry Ref No: 7932-A22HN3
Notice Type: Instrument Decision
Notice Stage:

Decision Posted:
Exception Posted:
Section:
Act 1:

Notice Date: June 01, 2018
Proposal Date: January 31, 2018
Year: 2018
Instrument Type: Environmental Compliance Approval (project type: air) - EPA Part II.1-air
Off Instrument Name:
Posted By:
Company Name: Enviro-Grind Ltd. operating as Colautti Construction Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 2562 Delzotto avenue Ottawa Ontario Canada K2J 6K7
Comment Period:
URL:

Act 2:
Site Location Map:

Site Location Details:

Mobile Jaw Crusher Ottawa K1T 3V7 CITY OF OTTAWA

Site: Northern Telecom Canada Limited, Ottawa Carling Campus
Carling Campus, City of Ottawa CITY OF OTTAWA ON

Database:
[EBR](#)

EBR Registry No: IA8E0946
Ministry Ref No: 8411698
Notice Type: Instrument Decision
Notice Stage: 800472369
Notice Date: September 18, 1998
Proposal Date: July 02, 1998
Year: 1998
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Northern Telecom Canada Limited, Ottawa Carling Campus
Site Address:
Location Other:
Proponent Name:
Proponent Address: P.O. Box 3511, Station 'C', Ottawa Ontario, K1Y 4H7
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Carling Campus, City of Ottawa CITY OF OTTAWA

Site: Enviro-Grind Ltd. operating as Colautti Construction Ltd.
Mobile Facility Ottawa ON K1T 3V7

Database:
[ECA](#)

Approval No: 2617-7QQKQB
Approval Date: 2009-04-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Address: Mobile Facility
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4433-7AXS7Q-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: City of Ottawa
Carling Ave Ottawa ON K2G 6J8

Database:
[ECA](#)

Approval No: 3723-9ATJC6
Approval Date: 2013-08-30
MOE District:
City:

Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Carling Ave
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9325-9AMR2C-14.pdf>

Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **City of Ottawa**
Works within an easement adjacent to Merivale Rd Ottawa ON K2G 6J8

Database:
ECA

Approval No: 0702-82CL4A
Approval Date: 2010-02-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Works within an easement adjacent to Merivale Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9895-824SV6-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **City of Ottawa**
Carling Ave Ottawa ON K2G 6J8

Database:
ECA

Approval No: 2472-8GRQTN
Approval Date: 2011-05-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Carling Ave
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5823-8GCKK6-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **City of Ottawa**
Meath St between Carling Avenue and Thames Street Ottawa ON K2G 6J8

Database:
ECA

Approval No: 1397-A7MNKX
Approval Date: 2016-03-04
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Meath St between Carling Avenue and Thames Street
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7879-A7DQXF-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Hwy 417 Ottawa ON**

Database:
EHS

Order No: 20120509053
Status: C
Report Type: Custom Report
Report Date: 5/16/2012
Date Received: 5/9/2012

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.670099

Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Y: 1

Site: R.W Tomlinson
LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database:
GEN

Generator No: ON9834153
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 237310
SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: mark peralta
Phone No Admin: 6138221867 Ext.

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: Carmelo Idone
Rear Merivale Rd. Ottawa ON K1Z 6A5

Database:
GEN

Generator No: ON5601283
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 531120
SIC Description: LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES)

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: R.W Tomlinson
LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database:
GEN

Generator No: ON9834153
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 237310
SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: mark peralta
Phone No Admin: 6138221867 Ext.

Detail(s)

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Site: 7770251 CANADA INC
MERIVALE ROAD OTTAWA ON

Database:
GEN

Generator No: ON6163455
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 812320
SIC Description: DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

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

Detail(s)

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Site: GVT OF CAN-HEALTH&WELFARE CAN.MED.16-303
SER.BR,UNIT#25,RM B-16, CARLING AVE. K.W. NEATBY BLDG., C/O 301 ELGIN ST. OTTAWA ON K1A 0L3

Database:
GEN

Generator No: ON0095617
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 8635
SIC Description: PUB. HEALTH CLINICS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Site: SHELL CANADA PRODUCTS LTD
MERIVALE RD OTTAWA ON

Database:
PRT

Location ID: 11000
Type: retail
Expiry Date: 1995-12-31
Capacity (L): 8280000
Licence #: 0022412017

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 30521
Site No:
Incident Dt: 2/2/1990
Year:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND / AIR
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/2/1990
Dt Document Closed:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:

Incident Reason: ERROR **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL TANK TRUCK-50 L AVIATION FUEL TO ASPHALT
Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 26231 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 10/5/1989 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: VALVE/FITTING LEAK OR FAILURE **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: NOT ANTICIPATED **Site Municipality:** 20101
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:** DEPT OF TRANSPORT
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 10/5/1989 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: EQUIPMENT FAILURE **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL CANADA - 120L JET FUEL TO TERMINAL RAMP
Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 23253 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: // **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: VALVE/FITTING LEAK OR FAILURE **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: **Site Municipality:** 20101
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 8/7/1989 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: EQUIPMENT FAILURE **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL- 4.5 LTR SPILL OF JET FUEL AT UPLANDS AIRPORT
Contaminant Qty:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	21872	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	7/11/1989	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	PIPE/HOSE LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/11/1989	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SHELL REFUELING VEHICLE- 70 L AVIATION FUEL TO GROUND.		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	16382	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	3/27/1989	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	3/27/1989	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	UPLANDS AIRPORT - 20 L OF JET FUEL TO GROUND.		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	8471	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	8/22/1988	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	ABOVE-GROUND TANK LEAK	Sector Type:	
Incident Event:		Agency Involved:	

Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	8/22/1988	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	UPLANDS AIRPORT - 50 L OF JET FUEL TO PAVEMENT FROM TANK TRUCK.		
Contaminant Qty:			

Site: ONTARIO HYDRO **Database:** SPL
 MERIVALE RD TRANSFORMER STATION TRANSFORMER NEPEAN CITY ON

Ref No:	5847	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/29/1988	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	COOLING SYSTEM LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	20104
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	6/29/1988	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONT HYDRO - 10 L PYRANOL TO GROUND AT TRANSFORMER STATION.		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD. **Database:** SPL
 MERRIVALE ROAD BULK PLANT (N.O.S.) OTTAWA CITY ON

Ref No:	52939	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	6/24/1991	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	UNDERGROUND TANK LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20101
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	

MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/24/1991
Dt Document Closed:
Incident Reason: CORROSION
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL: FUEL FOUND IN EXCAVATION AT BULK TERMINAL
Contaminant Qty:

Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref No: 60160
Site No:
Incident Dt: 11/24/1991
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/25/1991
Dt Document Closed:
Incident Reason: CORROSION
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL SERVICE STATION - 25 L. OF GASOLINE TO GROUND FROM LEAKY CAR
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: SHELL, FIRE DEPT. TRIANGLE PUMP
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: OTTAWA TRANSIT
CARLING AVENUE BUS OTTAWA ON

Database:
SPL

Ref No: 187680
Site No:
Incident Dt: 9/29/2000
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/29/2000
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC TRANSP:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting: PUBLIC WORKS, FIRE DEPARTMENT
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Contaminant Qty:

Site: TRANSPORT TRUCK
QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No: 224201
Site No:
Incident Dt: 4/19/2002
Year:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/19/2002
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved: OPP-KANATA; MTO
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: Unknown<UNOFFICIAL>
Hwy 417, near Queen Elizabeth Dr Ottawa ON

Database:
SPL

Ref No: 4563-B32N6F
Site No: NA
Incident Dt: 2018/07/26
Year:
Incident Cause:
Incident Event: Collision/Accident
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1: n/a
Contaminant UN No 1: n/a
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Land; Source Water Zone
MOE Response: Yes
Dt MOE Arvl on Scn: 2018/07/26
MOE Reported Dt: 2018/07/26
Dt Document Closed: 2018/07/31
Incident Reason: Operator/Human Error
Site Name: CB & asphalt<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: MVA; hydraulic oil to CB on hwy 417; unknown containment/cleanup
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq: 0 - No Impact
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: Hwy 417, near Queen Elizabeth Dr
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Highway Spills (usually highway accidents)
Source Type: Motor Vehicle

Site: Shell Canada Products Limited
Shell Canada Ottawa ON

Database:
SPL

Ref No: 6267-5M2K7H
Site No:

Discharger Report:
Material Group: Oil

Incident Dt: 4/28/2003
Year:
Incident Cause:
Incident Event:
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/28/2003
Dt Document Closed:
Incident Reason:
Site Name: LOADING RACK 1<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Shell - 1L gasoline
Contaminant Qty: 1 L

Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Spills
Source Type:

Site: **TRANSPORT TRUCK**
HWY. 417 MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database:
SPL

Ref No: 191523
Site No:
Incident Dt: 12/4/2000
Year:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/4/2000
Dt Document Closed:
Incident Reason: OTHER
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: **NATIONAL GROCERS**
MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database:
SPL

Ref No: 191981
Site No:
Incident Dt: 12/13/2000
Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:

Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/13/2000
Dt Document Closed:
Incident Reason: OTHER
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: NATIONAL GROCERS-14L ENG-INE OIL TO PVMT ONLY; NO DRAINS. CLEANING.
Contaminant Qty:

Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: City of Ottawa
 Highway 417 Ottawa ON

Database:
 SPL

Ref No: 3043-7QMTYH
Site No:
Incident Dt:
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code:
Contaminant Name: ENGINE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/30/2009
Dt Document Closed:
Incident Reason: Unknown - Reason not determined
Site Name: EB Merge Lane Hwy 417 & Eagleson Road
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo: 10L engine oil to grnd on Hwy 417
Contaminant Qty: 10 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Other
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: NA
Easting: NA
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Primary Assessment of Incident
Source Type:

Site: Drain-All Ltd.
 Hwy 417 Westbound near Carling off-ramp Ottawa ON

Database:
 SPL

Ref No: 6127-8K6T47
Site No:
Incident Dt: 7/27/2011
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/27/2011
Dt Document Closed:
Incident Reason: Equipment/Vehicles

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Motor Vehicle
Agency Involved:
Nearest Watercourse:
Site Address: Hwy 417 Westbound near Carling off-ramp
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Highway Spills (usually highway accidents)
Source Type:

Site Name: Queensway Hwy 417<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: 10 L's of motor oil to Queensway, cleaned
Contaminant Qty: 10 L

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No:	81836	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	2/14/1993	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	PIPE/HOSE LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	NOT ANTICIPATED	Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	2/14/1993	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	ERROR	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	SHELL-25L OF JET A-1 FUEL TO GROUND DURING FUELLING CONTAINED, CLEANED UP.		
Contaminant Qty:			

Site: HOTEL/MOTEL
CARLING AVENUE (N.O.S.) OTTAWA CITY ON

Database:
SPL

Ref No:	84065	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	4/14/1993	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	UNDERGROUND TANK LEAK	Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	CONFIRMED	Site Municipality:	20101
Nature of Impact:	Soil contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	MCCR
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/14/1993	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	
Incident Reason:	CORROSION	Source Type:	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK		
Contaminant Qty:			

Site: SHELL CANADA PRODUCTS LTD.

Database:
SPL

TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 84404
Site No:
Incident Dt: 4/21/1993
Year:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/22/1993
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL CANADA - 40 L OF AVIATION FUEL AT GATE A DUE TO TRUCK LEAK
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 81843
Site No:
Incident Dt: 2/14/1993
Year:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/14/1993
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: SHELL CANADA - 20 L OF AVIATION FUEL TO RAMP DUE TO TRUCK LEAK
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: SHELL CANADA PRODUCTS LTD.
MERRIVALE ROAD SERVICE STATION NEPEAN CITY ON

Database:
SPL

Ref No: 41659
Site No:
Incident Dt: 10/3/1990
Year:
Incident Cause: UNDERGROUND TANK LEAK
Incident Event:
Contaminant Code:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:

Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/3/1990
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:
Contaminant Qty:

Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20104
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

SHELL: 3 000 L GASOLINE LOST FROM LEAKY UNDERGROUND STORAGE TANK

Site: lot 34 ON

Database:
WWIS

Well ID: 1527049
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status:
Water Type:
Casing Material:
Audit No: 130023
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/6/1993
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 034
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048728
DP2BR:
Spatial Status:
Code OB: u
Code OB Desc: all layers are unknown type
Open Hole:
Cluster Kind:
Date Completed: 4/7/1993
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931065883
Layer: 1
Color:

General Color:
Mat1: 00
Most Common Material: UNKNOWN TYPE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 53
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933112168
Layer: 1
Plug From: 0
Plug To: 53
Plug Depth UOM: ft

**Method of Construction & Well
Use**

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

Pipe Information

Pipe ID: 10597298
Casing No: 1
Comment:
Alt Name:

Site: lot 34 ON

Database:
WWIS

Well ID: 1520330
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/21/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: NEPEAN TOWNSHIP
Site Info:
Lot: 034
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042173
DP2BR: 82
Spatial Status:
Code OB: r
Code OB Desc: Bedrock

Elevation:
Elevrc:
Zone: 18
East83:
North83:

Open Hole:
Cluster Kind:
Date Completed: 10/3/1985
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931044418
Layer: 4
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 64
Formation End Depth: 82
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931044419
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 82
Formation End Depth: 125
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931044416
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 56
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931044417

Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 56
Formation End Depth: 64
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931044415
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Other Materials: SANDY
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID:
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10590743
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073605
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 88
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073606
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 125
Casing Diameter: 6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520330
Pump Set At:
Static Level: 50
Final Level After Pumping: 65
Recommended Pump Depth: 75
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934377369
Test Type: Draw Down
Test Duration: 30
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656123
Test Type: Draw Down
Test Duration: 45
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110848
Test Type: Draw Down
Test Duration: 15
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905512
Test Type: Draw Down
Test Duration: 60
Test Level: 65
Test Level UOM: ft

Water Details

Water ID: 933477551
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 120
Water Found Depth UOM: ft

Site:

Database:
[WWIS](#)

Ottawa ON

Well ID: 7290688
 Construction Date:
 Primary Water Use: Test Hole
 Sec. Water Use:
 Final Well Status: Observation Wells
 Water Type:
 Casing Material:
 Audit No: Z261473
 Tag: A228339
 Construction Method:
 Elevation (m):
 Elevation Reliability:
 Depth to Bedrock:
 Well Depth:
 Overburden/Bedrock:
 Pump Rate:
 Static Water Level:
 Flowing (Y/N):
 Flow Rate:
 Clear/Cloudy:

Data Entry Status:
 Data Src:
 Date Received: 7/19/2017
 Selected Flag: Yes
 Abandonment Rec:
 Contractor: 7579
 Form Version: 7
 Owner:
 Street Name: HWY 417 WEST
 County:
 Municipality:
 Site Info:
 Lot:
 Concession:
 Concession Name:
 Easting NAD83:
 Northing NAD83:
 Zone:
 UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006636095
 DP2BR:
 Spatial Status:
 Code OB:
 Code OB Desc:
 Open Hole:
 Cluster Kind:
 Date Completed: 7/4/2017
 Remarks:
 Elevrc Desc:
 Location Source Date:
 Improvement Location Source:
 Improvement Location Method:
 Source Revision Comment:
 Supplier Comment:

Elevation:
 Elevrc:
 Zone:
 East83:
 North83:
 Org CS: UTM83
 UTMRC: 9
 UTMRC Desc: unknown UTM
 Location Method: wwr

Overburden and Bedrock
Materials Interval

Formation ID: 1006753724
 Layer: 3
 Color: 8
 General Color: BLACK
 Mat1: 17
 Most Common Material: SHALE
 Mat2:
 Other Materials:
 Mat3:
 Other Materials:
 Formation Top Depth: 42
 Formation End Depth: 72.5
 Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 1006753723
 Layer: 2
 Color: 6
 General Color: BROWN
 Mat1: 28
 Most Common Material: SAND

Mat2: 06
Other Materials: SILT
Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 42
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 1006753722
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 1006753731
Layer: 1
Plug From: 0
Plug To: 72.5
Plug Depth UOM: ft

Pipe Information

Pipe ID: 1006753721
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006753727
Layer: 1
Material:
Open Hole or Material:
Depth From: 0
Depth To: 72.5
Casing Diameter: 2.5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006753728
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Hole Diameter

Hole ID: 1006753725
Diameter: 3.63
Depth From: 0
Depth To: 72.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

[AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial

[AGR](#)

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

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System:

Provincial

[AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

[ANDR](#)

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

[AST](#)

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

[AUWR](#)

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

Government Publication Date: 1999-Jul 31, 2019

Borehole:

Provincial

[BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Feb 28, 2017

Chemical Register:

Private CHEM

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

Government Publication Date: 1999-Jul 31, 2019

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Nov 2019

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

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

Government Publication Date: 1989-Nov 2019

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-Dec 31, 2019

Drill Hole Database:

Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry:

Provincial [EASR](#)

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

Government Publication Date: Oct 2011-Dec 31, 2019

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994-Dec 31, 2019

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011-Dec 31, 2019

Environmental Effects Monitoring:

Federal [EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

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

Government Publication Date: 1999-Oct 31, 2019

Environmental Issues Inventory System:

Federal [EIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial [EMHE](#)

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial [EPAR](#)

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities:

Provincial EXP

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

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

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal FCS

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

Government Publication Date: Jun 2000-Nov 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal FED TANKS

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

Government Publication Date: May 31, 2018

Fisheries & Oceans Fuel Tanks:

Federal FOFT

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

Government Publication Date: 1964-Sep 2018

Fuel Storage Tank:

Provincial FST

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

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2019

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Jan 2019

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Dec 31, 2019

National Energy Board Wells:

Federal

NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

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

Government Publication Date: 1988-Aug 31, 2019

Ontario Oil and Gas Wells:

Provincial

[OOGW](#)

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

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites:

Provincial

[OPCB](#)

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

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

Orders:

Provincial

[ORD](#)

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

Government Publication Date: 1994-Dec 31, 2019

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

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

Government Publication Date: 1988-Dec 2019

Pipeline Incidents:

Provincial

[PINC](#)

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

[PRT](#)

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

[PTTW](#)

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

Government Publication Date: 1994-Dec 31, 2019

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

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

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

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Jul 31, 2019

Scott's Manufacturing Directory:

Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

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

Government Publication Date: 1988-Jun 2019

Wastewater Discharger Registration Database:

Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: 2011-Dec 31, 2019

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2009 – 2014

Carleton University

Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

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