



December 2015

REPORT

Phase One Environmental Site Assessment, Westgate Shopping Centre

Submitted to:

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Distribution:

5 copies - RioCan Management Inc.
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1.0 EXECUTIVE SUMMARY

Golder Associates Ltd. (“Golder”) was retained by RioCan Management Inc. (“RioCan”) to conduct a Phase One Environmental Site Assessment (“Phase One ESA”) of the Westgate Shopping Centre (mall address is 1309 Carling Avenue, Ottawa, Ontario, (herein after referred to as the “Site” or “Phase One Property”). There are 10 individual addresses associated with the property.

At the time of the Site reconnaissance, conducted on June 24, 2015 and August 13, 2015, the Site consisted of an approximately 3.96 hectare irregularly shaped parcel of land. The Site includes the Westgate Shopping Centre, Monkey Joe’s Restaurant and the parking lot.

It is understood that the Phase One Property is to be redeveloped with residential and commercial properties. The Site is owned by RioCan Holdings Inc.

Based on the available information, the first developed use of the Phase One Property was as an oil storage facility on the western side, covering about 15 percent of the area of the Site prior to 1948 until around 1955 when the construction of the current Westgate Shopping Centre occurred. The remainder of the Site was vacant land prior to 1955. The Site has been developed as the part of the Westgate Shopping Centre and associated parking areas since 1955, with the addition of the Monkey Joe’s building in the 1970’s. At the time of the Site Reconnaissance two buildings were noted on the Phase One Property, with the remainder of the Site being asphalt parking areas.

The Phase One ESA was completed in accordance with O.Reg. 153/04 and included a review of available current and historical information on the Site and surrounding properties, a Site walkover, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 9.0 of this report. Given that the Site was previously occupied by a dry cleaning facility and a bulk liquid dispensing facility, the Site is considered an enhanced investigation property as defined by O. Reg. 153/04.

O.Reg. 153/04 refers to potentially contaminating activities (PCAs) and areas of potential environmental concern (APECs) and assigns numbers to the PCAs. In the report summary herewith the PCA number is provided together with the description of the APEC. Based on the information obtained and reviewed as part of this Phase One ESA, the following PCAs resulted in APECs on the Site:

- PCA #30. Fill - Reportedly present across the Site (metals, PAHs);
- PCA #28, #52, #10. It was reported by the Site Representative that there were former oil storage USTs on the northwest corner of the mall at the location of a boiler room. It was reported that the clean-up and removal were completed by Pinchin, but no report was provided to Golder for review. Also, it was noted that there was hydrocarbon products stored on the western and northwestern part of the Site at the Sun Oil Co. Ltd. in the 1925 (revised 1948) FIP. This coincides with the second boiler room at the mall which may have also included a heating oil tank. In addition, off-Site USTs were historically located at service stations/garages/industrial properties at six locations hydraulically up-and-cross gradient of the Site (PHCs/BTEX, VOCs, PAHs). Approximate addresses are:
 - 1376 Carling Avenue
 - 1354 Carling Avenue
 - 1330 Carling Avenue
 - 1331 Carling Avenue
 - 1316 Carling Avenue
 - 872 Merivale Road



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- PCA #18. Transformers and Hydro Sub-Station – On-Site transformer rooms and off-Site (to the east) Hydro Sub-Station (PHCs, PCBs);
- PCA #37. Operation of Dry Cleaning Equipment (where chemicals are used) - There used to be a dry cleaner on-Site in the Westgate Shopping Centre. Another possible dry-cleaner location used to exist south of the Site (off-Site) along Carling Avenue;
- PCA #46. Former railway lines were historically located within the Study Area (metals, PHCs/BTEX, PAHs, VOCs);

Based on the above, and the additional information provided in Section 7.3, a Phase Two ESA is required to support the submission of an RSC for the Site.

Response to Golder's request for information from the City of Ottawa was not available at the time of report preparation.



2.0 INTRODUCTION

2.1 Phase One Property Information

Golder Associates Ltd. (“Golder”) was retained by RioCan Management Inc. (“RioCan”) to conduct a Phase One Environmental Site Assessment (“Phase One ESA”) of the Westgate Shopping Centre in Ottawa, Ontario. It is identified as follows:

Municipal Addresses	<p>The Site is comprised of eleven municipal addresses in Ottawa, Ontario:</p> <ul style="list-style-type: none">■ 1265 Carling Avenue■ 1271 Carling Avenue■ 1277 Carling Avenue■ 1277A Carling Avenue■ 1285 Carling Avenue■ 1309 Carling Avenue■ 1287 Carling Avenue■ 1295 Carling Avenue■ 1297 Carling Avenue■ 1299 Carling Avenue■ 1315 Carling Avenue
Property Identification Number	040250172
Legal Description	Part of Lot 33, Concession 1 of Part 33, 5R14579, T/W CR340247; S/T CR334034, Ottawa/Nepean.

The Site location is provided on the Key Plan, Figure 1. A Site plan is provided on the Phase One Property and Study Area Plan, Figure 2. The Site is the Westgate Shopping Centre.

Authorization to proceed with this investigation was received from Melissa Cristofoli, Manager of Planning & Development, with RioCan, on April 27, 2015. The contact information for the Site owner is:

Site Owner / Client	Address	Contact Information
RioCan Management Inc.	RioCan Yonge Eglinton Centre 2300 Yonge Street, Suite 500 Toronto, Ontario M4P 1EP	Melissa Cristofoli Office: (416) 643-6678 Email: mcristofoli@riocan.com



3.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Site and a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre radius of the boundary of the Site (collectively referred to as the “Phase One Study Area”). The boundary of the Phase One Study Area is presented in Figure 2.

According to Ontario Regulation (“O.Reg.”) 153/04 *Records of Site Condition*, the objectives of a Phase One ESA are to:

- 1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site;
- 2) Determine the need for a Phase Two Environment Site Assessment (“ESA”);
- 3) Provide a basis for carrying out a Phase Two ESA;
- 4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA; and,
- 5) Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.



4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 metre radius of the boundary of the Site. Based on Golder's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Site and observations of neighbouring properties made during the Site visit, it was concluded that an assessment of information pertaining to properties within 250 metres of the boundary of the Site was sufficient to achieve the objectives of the Phase One ESA.

4.1.2 First Developed Use Determination

The date of first developed use of the Phase One Property was determined based on review of the aerial photographs, fire insurance plans (FIPs), city directories, the EcoLog ERIS Report and information provided by the Site representative. The FIPs from 1925 (revised 1948), predating the development of the shopping centre, show that there was a facility identified as *Sun Oil Co.* with an oil warehouse and two cylindrical above ground gasoline tanks located near 1339 Carling Avenue, which is shown on the FIP to be within the Site boundaries, on the west side of the Site. The FIP indicates that the development of the Sun Oil Co. occurred around 1951. Based on the aerial photographs, the Phase One Property appears to have been vacant land until that time. Therefore, it can be determined that the first known development of the Site was as an oil storage facility, on the western 15% of the Site; the remainder was undeveloped land, until the development of the Westgate Shopping Centre in 1955.

The surrounding properties along Carling Avenue include primarily commercial properties, south of which there is a significant amount of residential development. The Westgate Shopping Centre property is bounded to the north by Highway 417.

Based on the available information, the first developed use of the Phase One Property was the oil storage facility, between 1948 (earliest aerial reviewed) and 1955 (construction of the Westgate Shopping Centre) but was likely around 1951 as indicated in the 1948 FIP.

4.1.3 Fire Insurance Plans and Reports

Opta Information Intelligence ("Opta") was contacted by Golder and requested to review their records for any information (i.e., fire insurance plans, Property Underwriters Reports (PURs), or Property Underwriters Plans (PUPs)) relating to the Site. Golder was informed by Opta that records were found pertaining to the Westgate Shopping Centre, which encompasses the Site. The reports obtained by Golder for the Westgate Shopping Centre are as follows:

- Multirisk Report (1997), 1309 Carling Avenue, Ottawa, Ontario: The report pertains to a retail store in the Westgate Shopping Centre. The report indicates that the mall contains various retail stores, services, supermarket, discount store and motion picture theatre. The report indicates the mall was constructed in 1955 with additions in 1964, 1978 and 1991. The walls of the mall are masonry (concrete blocks with a brick face) and the floors (excluding basement) are concrete or concrete on metal pan (second storey). The roof of the mall is tar and gravel. The report indicates that the mall is heated by natural gas.



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- Site plan Report (1978, Westgate Plaza), 1309 Carling Avenue, Ottawa, ON: The plan provided shows the location of a boiler room in the basement of the eastern block of the mall, located below stock rooms.
- Site plan Report (1996, Westgate Plaza), 1309 Carling Avenue, Ottawa, ON: The plan provided shows the unit currently occupied by the Shopper's Drug Mart then occupied by a supermarket. The plan also shows the boiler room shown on the 1978 Site plan report. In addition, the indoor hallway for the mall has been constructed.
- Site plan Report (1998, Westgate Plaza), 1309 Carling Avenue, Ottawa, ON: The plan provided shows the unit currently occupied by the Shopper's Drug Mart then occupied as a supermarket. The plan shows the layout of the main floor of the mall. No basement features are indicated.
- Survey Fire and Extended Coverage Insurance Report (1996, Westgate Shopping Centre), 1309 Carling Avenue, Ottawa, Ontario: The insurance report recommended that the *Independent Grocer* (former tenant in the current location of the Shopper's Drug Mart) ensure that the fire extinguishers are not blocked by shopping carts. The report indicates that additions to the Shopping Centre were made in 1964, 1978 and 1991. The report indicates that the Shopper's Drug Mart has an approximate area of 7,700 ft² (715 m²), but it is not expected that this is the same configuration as the current Shopper's Drug Mart. The report also indicates that the *Independent Grocer* has an area of 42,378 ft² (3,937 m²), which is equally divided into the ground floor and basement levels.
- Fire Inspection and Rate Calculation Report (1975, Westgate Shopping Centre), 1309 Carling Avenue, Ottawa, ON: The report indicates that one of the tenants in the Westgate Shopping Centre was a *Brown's Cleaners – Coin Laundry and Coin Dry Cleaning*. No unit number for the dry cleaners was provided. Note "Coin Dry Cleaning" may not be accurate.
- Site plan Report (1975, Westgate Plaza), 1309 Carling Avenue, Ottawa, ON: The plan provided shows the space currently occupied by Shopper's Drug Mart was a *Steinberg's Ltd.* grocery store with brick on concrete block walls and concrete floor and roof.
- Commercial Property Fire Rating Form Report (1985, Westgate Shopping Centre), 1309 Carling Avenue, Ottawa, ON: The *Steinberg's Supermarket* is in the location of the Shopper's Drug Mart. The report indicates that *Brown's Cleaner's* (Coin Laundry and Dry Cleaning) is located in the shopping centre. A Site plan shows the dry cleaners to be two units to the north of the grocery store. Golder comment: In recent renovations for the Shopper's Drug Mart it was reported by the Site Representative that the Shopper's took over an additional part of the mall, which may indicate that the dry cleaners would have been in the area that is now adjacent to the Shopper's Drug Mart.
- Multipak Report (19?? [Golder comment: date not provided in report], Superior Photo), 1309 Carling Avenue, Ottawa, ON: Report indicates the building was constructed in 1955 and the heating source is steam with oil used as fuel.
- FIPs from 1925 (revised 1948) were reviewed and indicated the following:
 - West of the Site there are properties with above ground storage tanks (ASTs) and underground storage tanks (USTs). There is a gas station (Barrington Petroleum Products Limited) in the location of the current office building at 1330 Carling Avenue that has two USTs along Carling Avenue, as well as six steel ASTs at the rear of the property. There is also a building shown that is indicated to be 'Oil Storage';



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- The *Ontario Department of Highways* facility, located in the current area of the on-ramp from Carling to Highway 417, has two USTs, a coal storage area, and two buildings that are noted to be for repairs and truck storage;
- At the Westgate Shopping Centre it is shown that there is oil stored aboveground at two locations, in utility rooms. The ASTs are located in the utility room at the northwest corner of the Site (now known to contain the boilers for the mall) and the utility room at the north side of the eastern block of the mall (former boiler room). No USTs are shown, however at least one of these locations was later determined to be a UST;
- Highway 417 is shown as proposed and listed as 'Old C.N.R. Right of Way);
- A gasoline service station is shown at the corner of Meath Street and Carling Avenue, and had three USTs;
- A gasoline service station is shown at the corner of Carling Avenue and Archibald Street with two USTs and an indoor area labelled as 'greasing';
- There is a building located at 1364 Carling Avenue that has a building labelled "auto", which may be indicative of a repair shop or garage;
- A garage and repair shop is shown at the intersection of Thames Street and Merivale Road and has two USTs; and,
- East of Carling Avenue and Archibald Street, directly across from the current Shopper's Drug Mart, it is shown that there was a *Seven-Up Bottling Co. Ltd.* industrial property with one UST on the property. This property was located between the gasoline service station and the Macie's Motel/Motor Court.
- Multi-Risk Report (1987), Monkey Joe's 1265 Carling Avenue, Ottawa, ON: The report identified Monkey Joe's as a licensed restaurant with full commercial cooking processes. The building was reportedly constructed in 1970 and is a one (1) storey structure with concrete block walls, slab-on-grade concrete floor and a steel deck roof. The ground floor area of the building is reported to be 446 m². Heat was reported to be provided by a natural gas rooftop unit;
- Site plan Report (1987), Monkey Joe's 1265 Carling Avenue, Ottawa, ON: The Site plan shows the location of Monkey Joe's in the Westgate Shopping Centre Parking lot, at the northwest corner of Merivale Road and Carling Avenue.

In addition to the information received from Opta, Golder reviewed the in-house library of FIPs. An FIP from 1925 (revised 1948) indicated that there was a facility called Sun Oil Co. with an oil warehouse and two cylindrical above ground gasoline tanks located near 1339 Carling Avenue. This area is believed to be in the current location of the Site.



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4.1.4 Chain of Title

Chain of title information for the Phase One Property was obtained from Domsons Title Search Inc. Part of Lot 33, Concession 1, Part Lot 33, 5R14579, Ottawa were searched and the results are reported below.

Previous owners of the Site have included:

Owner's Name	Dates of Ownership
Crown	Prior to June 3, 1839
George Lyon	June 3, 1839 to January 24, 1846
John Robertson	January 24, 1846 to October 15, 1852
William Hamilton	October 15, 1852 to April 10, 1855
Allan Gilmour	April 10, 1855 to May 20, 1856
James Wadsworth	May 20, 1856 to June 6, 1856
Phillip Harris	June 6, 1856 to October 9, 1856
Hon. P.M. Vankoughnet	October 9, 1856 to November 4, 1859
Bank of Upper Canada	November 4, 1859 to December 28, 1876
Daniel Cowley	December 28, 1876 to November 27, 1895
Andrew Holland	November 27, 1895 to November 23, 1899
John Brennan	November 23, 1899 to February 12, 1906
Andrew Holland	February 12, 1906 to November 11, 1908
John Brennan & Herb Brennan	November 11, 1908 to February 4, 1910
Hampton Park Limited	February 4, 1910 to July 23, 1942
Wallace Barrington	July 23, 1942 April 2, 1954
Westgate Shopping Centre Limited	April 2, 1954 to February 11, 1970
Canscot Realty Investment Limited	February 11, 1970 to May 17, 1977
Rosegate Holdings Limited	May 17, 1977 to January 23, 1997
Riocan Holdings Inc.	January 23, 1997 to Present

There are multiple lease records registered to the title for the Site. The following notes from Service Ontario land registry are of interest:

- There was a transfer of an easement to *The Hydro-Electric Power Commission of Ontario* on June 6, 1955.



4.1.5 City Directories

A review of historical city directories for the years 1940, 1945, 1951, 1956, 1961, 1966, 1972, 1977, 1982, 1987, 1993 and 1998 was completed by Golder for the Phase One Property and surrounding properties (within 250 m) along Carling Avenue, Byng Drive, Crerar Avenue, Coldrey Avenue, Edina Street, Harrold Place, Island Park Crescent, Kirkwood Avenue, Meath Street, Merivale Road, Thames Street and Viscount Avenue. In addition, a city directory search for 1255, 1271, 1277, 1277A, 1285, 1295, 1297, 1299, 1309 and 1315 Carling Avenue was ordered from LGI Copy Services for the years 1941, 1946, 1951, 1956, 1961, 1966, 1971, 1976, 1981-82, 1987, 1992, 1996-97, 2001-02, 2006-07, and 2011.

Based on Golder's review of the city directory information, the following summarizes the noteworthy findings of the city directory review.

Phase One Property

- 1309 Carling Avenue is listed as the Westgate Shopping Centre from 1972 to 1998, prior to which it was listed as a *Variety Store*. The shopping centre is indicated to have included a Brown's Cleaner and Coin Wash from 1982 to 1998, prior to which the cleaner is not listed;
 - The directory search provided by LGI indicates a Brown's Cleaners and Photo World were located at 1309 Carling Avenue in 1981-82;
 - A Superior Photo is listed at 1309 Carling Avenue in the 2001-02 directories;
 - 1309 is listed as Multi-Tenant Commercial in 2011.
- 1265 Carling Avenue (Monkey Joe's) is listed as Monkey Joe's from 1987 to 1998, and listed as Franks Pizzeria from 1977 to 1982;
- 1321 Carling Avenue (Shopper's Drug Mart) was not listed from 1972 to 1992, but was listed as Steinburg's Supermarket in 1966 and 1992;
- 1255, 1271, 1277, 1277A, 1285, 1295, 1297, 1299, 1309 and 1315 Carling Avenue are not listed in the city directories from 1941, 1946 and 1951 as well as only 1309 and 1315 Carling Avenue were listed in 1981-82;
 - From 1956 onwards that addresses on Site are listed as various commercial units or unlisted;
 - 1285 Carling Avenue is listed Wilbros Appliances in 1956 and 1961;
 - In 1976 there was a Home Hardware in the shopping centre at 1285 Carling Avenue.
- 1271-1321 (odd) was listed as the Westgate Shopping Centre in the 1956 and 1961 directories and included Paul's Service Centre Dry Cleaning;
 - Paul's Dry Cleaning is not listed in the directories from 1966.



Surrounding Area

- Archibald Street, Byng Drive, Island Park Drive (540-630), Merivale Road (230-850), Thames Street (1240-1300) and Viscount Avenue (65-100) are not listed in the city directories from 1941.
- 1150 Carling Avenue was listed as Superior Cleaners in 1956 and Spic and Span Cleaners in 1961, after which it was listed as Fleshers Furniture in 1972 and 1977 and Roslyn Fashions in 1982 and 1987 and The Children's Place in 1987, 1993 and 1998;
- 1245 Carling Avenue is listed as a Hydro Ottawa Substation in the city directories from 1956 to 1998; 1160 Carling Avenue is also listed as an Ontario Hydro Electric Station in the directories from 1951, but as Ayrshire Canada Breeders in the more recent directories searched;
- 1275 Carling Avenue is listed as an Ontario Hydro Electric Station in the directory from 1951 but unlisted in the other directories searched;
- In the 1956 and 1961 directories from LGI, Carling Avenue included the following:
 - 1331 Carling Avenue was listed as Salter Service Station and Barrington Petroleum Products;
 - 1359 Carling Avenue was listed as Department of Highways;
 - 1314 Carling Avenue was listed as Seven-Up Bottling;
 - 1350 Carling Avenue was listed as Day's Garage.
- In the directories from 1966, 1971 and 1976, 1322 Carling Avenue is listed as Burroughs Business Machines;
- Byng Drive is listed as Sanatorium Grounds from 1961 to 1998;
- 1145 Carling Avenue is listed in the city directories from 1982, 1977 and 1972 as a Hydro Ottawa Substation and as Royal Ottawa Psychiatry or Royal Ottawa Sanatorium in the other directories dating to 1966;
- 1274 Carling Avenue, which is currently the Best Western Ottawa was listed as Maccies Ottawan Sales in 1956, 1961 and 1966, after which it was listed as the Best Western;
- 1296 Carling Avenue is listed as an Office Building from 1998 to 1987, not listed in 1982 or 1977, and listed as Canada Cash Registers in 1972, 1966 and 1961;
- 1300 Carling Avenue was listed as a Dentist in the directories from 1981-82 and was listed as Taggart Construction in 1996-97;
- 1317 Carling Avenue is listed as Paulette Fashion Cleaners in the directory from 1966, Paul's Cleaners in 1961 and Paul's Dry Cleaning in 1956. There is also a record of a fur cleaners and Ottawash Coin laundry in at that address in 1966. The address is listed as Parker Cleaners in the LGI search from 1976;



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- 1330 Carling Avenue is listed as a Shell Service Station in the directories from 1966 and 1981-82;
 - It is also listed as Second Change Auto Sales in the directory from 2001-02, 2006-07 and 2011.
- 1331 Carling Avenue is unlisted in the city directories from 1977 to 1998, but was listed as BP Oil Ltd. in 1972, Sacco Fuel Oil and Queensway Car Wash and Service Station in 1966 and 1971, Carling Service Station in 1961 and Barrington Petroleum Products in 1956;
- 1397 Carling Avenue is listed as Hampton Shoe Repair in the 1998 and 1993 directories, a Hair Salon in the 1987 directories, Cash Cleaners in 1982, 1977 and 1972 and as Pttons Cleaners and Shirt Laundering in the 1966 directories;
- 1399 Carling Avenue is listed as Hampton Park Paint Centre in the 1966 directories;
- 1400 Carling Avenue is listed as MacDonal Bruce Motor Homes from 1961 to 1972;
- 803 Merivale Road is listed as Dalas Cleaning Services in the directories from 1981-82;
- 848 Merivale Road is listed as Dill Pickle Limited in the city directories from 1998 and 1982, Ottawa Marine Supply in 1972, West Gordie Service Garage in 1966 and Carols Confectionary in 1961 and Sheridans Garage in 1956. In addition, in 1987 848 Merivale is listed as a Kwik Stop and as a convenience store in 1992;
- 864 Merivale Road is listed as Alpha Electronic Parks in the directory from 1966; and,
- 1267 Thames Street is listed as Altona Aluminum in the directory search from 1987 and 1992 and as Altona Doors and Windows in 1996-97 and 2001-02.

4.1.6 Environmental Reports

The following environmental reports related to the Site were obtained by Golder: “**1994 Phase I Environmental Site Assessment**”, Trow Consulting Engineers Ltd. January 19, 1994. *Phase I Environmental Site Assessment, Westgate Shopping Centre, 1309 Carling Avenue, Ottawa, Ontario (BR-07894-A/EA)*, prepared for Canadian Imperial Bank of Commerce.

Based on Golder’s review of the 1994 Phase I ESA, the following are of note for the Site:

- The report includes the entire shopping centre;
- The eastern section of the shopping centre property was reportedly occupied by a petroleum company from 1949 to 1953;
- The property to the west of the Site was occupied by a petroleum company with ASTs and USTs from 1952 to 1980, prior to the construction of the office building;
- Fuel oil tanks were located on the Site (Records were not available in the Trow report). USTs were present to supply fuel to the boilers;



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- The presence of asbestos was identified in the Phase I ESA for the shopping centre. Friable asbestos was reported to be likely found as a component of the thermal insulation of the buildings steam distribution lines and boilers, as well as suspended ceiling tiles, spray applied stipple coat and vinyl floor tiles;
- Roof mounted heating ventilating and air conditioning (HVAC) units at the shopping centre were noted to utilize Freon R-22 as the refrigerant. The refrigerants in freezers, refrigerators and pop machines was identified as R12, R22 and R-502;
- Light ballasts were reported to possibly contain PCBs;
- There is a City of Ottawa Hydro-Substation to the east of the property;
- Fire Insurance Plans (FIPs) reviewed from 1956 showed three open horizontal boilers and one vertical boiler at the shopping centre, and the FIP for the property west of the Site showed six ASTs and an oil storage area. The FIP covering the Hydro-Sub Station showed four open vertical boilers and transformers;
- Site ownership records reviewed indicates that part(s) of the shopping centre were owned by the Ottawa Electric Railway Company from 1901 to 1948 and Sun Oil Company was referred to as the land owner from 1947 to 1953; and,
- As of November 16, 1993 noteworthy tenants included Brown's Cleaners.

4.2 Environmental Source Information

Golder contracted EcoLog Environmental Risk Information Services Ltd. ("EcoLog ERIS") to conduct a search of environmental sources, including federal, provincial and private sector databases, for information on the Phase One Property and Study Area. The EcoLog ERIS report is provided in Appendix B. In addition, EcoLog ERIS provided Golder with the following reference maps: Ontario Base Mapping ("OBM") Data and Areas of Natural and Scientific Interest ("ANSI"). These maps are provided in Appendix B.

The databases searches included the following databases:

Anderson's Waste Disposal Sites; Certificates of Approval; Environmental Registry; TSSA Commercial Fuel Oil Tanks; Coal Gasification Plants; TSSA Fuel Storage Tanks; National Defence & Canadian Forces Fuel Storage Tanks, Spills, and Waste Disposal Sites; National PCB Inventory; National Pollutant Release Inventory; Ontario Inventory of PCB Storage Sites; Ontario Regulation 347 Waste Receivers Summary; Record of Site Condition; Retail Fuel Storage Tanks; Private and Retail Fuel Storage Tanks; Ontario Spills; Anderson's Storage Tanks; Waste Disposal Sites – MOE CA Inventory; Waste Disposal Sites – MOE 1991 Historical Approval Inventory; Water Well Information Systems, Databases; Boreholes; and the Ontario Regulation 347 Waste Generators Summary.

Noteworthy records reported for the Phase One ESA Property included the following:

- Eighteen (18) Ontario Regulation 347 Waste Generators were identified for the Site in the EcoLog ERIS Report. Waste generators include the following:



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Table 1: On-Site Waste Generators Summary

Address	Generator Number	Approval Years	Waste Classes
Appletree Medical Management Group Inc. 1309 Carling Avenue, Ottawa, ON (8 Records)	ON9362784	As of May 2015	261 – Pharmaceuticals 312 – Pathological Wastes
		As of April 2014	
		2013	
		2012	
		2011	
		2010	
		2009	
		2006, 2007, 2008	
RioCan Management 1309 Carling Avenue, Ottawa, ON (6 Records)	ON9277081	As of May 2015	122 – Alkaline Wastes – Other Metals
		As of April 2014	242 – Halogenated Pesticides
		2013	331 – Waste Compressed Gases
			145 – Paint/Pigment/Coating Residues
			112 – Acid Waste - Heavy Metals
			263 – Organic Laboratory Chemicals
			221 – Light Fuels
		2012	251 – Oil Skimmings & Sludges
		2010	213 – Petroleum Distillates
		2005	252 – Waste Oils & Lubricants
			221 – Light Fuels
Your Independent Grocer 1321 Carling Avenue, Ottawa, ON	ON1308563	2003, 2004	221 – Light Fuels
R. White 1309 Carling Avenue, Ottawa, ON	ON2572800	2000, 2001	145 – Paint/Pigment/Coating 251 – Oil Skimmings & Sludges
Narmin Jaladin Drugs Mart Limited 1309 Carling Avenue, Ottawa, ON	ON8397469	2011	261 – Pharmaceuticals 312 – Pathological Wastes
	ON8867865	As of May 2015	Not provided
Shoppers Drug Mart 1309 Carling Avenue, Ottawa, ON	ON2588408	2000, 2001	261 – Pharmaceuticals 312 – Pathological Wastes
Westgate Dental Partnership 1041255 Ontario Inc. 6-1309 Carling Avenue, Ottawa, ON	ON4526295	As of May 2015	312 – Pathological Wastes



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- One (1) Ontario Spill was reported for the Site. The spill occurred at the Independent Grocery Store (current location of Shopper's Drug Mart) on 7/10/1992 and it was reported that an unknown liquid from the store's basement was spilled to land. It was noted that an environmental impact was not anticipated;
- There were six (6) records identified in the Pesticide Register for the Site. Records identified are as follows:
 - Two (2) records were identified for the former Independent Grocer, which was listed as a limited vendor;
 - Three (3) records were identified for the Shopper's Drug Mart, which was listed as a vendor or limited vendor; and,
 - One (1) record was identified for the Westgate Home Hardware, which was listed as a vendor.

Noteworthy records reported for the Phase One ESA Study Area (excluding the Phase One Property) included the following:

- Three (3) borehole records were identified along the southern Site boundary (in the Study Area) on Carling Avenue;
 - One record indicates that the static water level 2.7 metres below ground surface (mbgs) and that the Site conditions are asphalt underlain by brown gravelly sand with trace silt and cobbles from a depth of 0.2 – 2.9 mbgs, at which there is grey silty clay to a depth of 4.3 mbgs where grey sand silt till, gravel with boulders and trace clay. Shale bedrock is reached at 19.3 mbgs and limestone at 22.1 mbgs. The borehole record is from April 1975 and was completed as part of a geotechnical investigation;
 - One record indicates that the Site conditions are topsoil underlain by stiff brown silty clay (weathered crust) to a depth of 1.4 mbgs where dense grey-brown sandy silt with gravel and boulders (till) extends to 3.2 mbgs. Limestone bedrock with some irregular shale bands and dolomite layers was reached at 3.2 mbgs. The borehole record is from April 1975 and was completed as part of a geotechnical investigation;
 - One record indicates that the static water level is 5.2 metres below ground surface (mbgs) and that the Site conditions are asphalt underlain by brown silty clay fill containing brick fragments and construction debris to a depth of 2.9 mbgs, stiff silty clay to 4.9 mbgs, then till and silt and grey limestone bedrock at a depth of 13.7 mbgs. The borehole record is from March 1975 and was completed as part of a geotechnical investigation;
- It was noted that forty-eight (48) borehole records were identified for the Study Area. Generally, the stratigraphy of the Study Area is sand and gravel fill underlain by silty clay and/or silty sand with trace clay (till in areas) and shale and/or limestone bedrock. The depth to bedrock is expected to be between 3.2 and 21.7 mbgs, and the static water level is expected to be between 0.6 and 19.4 mbgs;



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- Seven (7) Certificates of Approval (C of A) were issued within the Study Area, which include:
 - Ontario Hydro at 1275 Carling Avenue, Ottawa, Ontario has a C of A (4-0086-94) for industrial wastewater for a transformer spill containment system. The C of A was issued 10/5/1994;
 - Triole Investments Limited at 1316 Carling Avenue, Ottawa Ontario has a C of A (4976-6F6J59) for air, which was issued 8/11/2005;
 - 1117018 Ontario Limited at 1330 Carling Avenue, Ottawa, Ontario has a C of A (3-0579-97) for municipal sewage, which was issued 6/24/1997;
 - City of Ottawa at Archibald Street and Carling Avenue, Ottawa, Ontario has a C of A (3-0892-96) issued on 10/2/1996 for municipal sewage;
 - City of Ottawa at Merivale Road and Thames Street, Ottawa, Ontario has a C of A (3-0631-92) issued on 6/10/1992 for municipal sewage; and,
 - Two C of As were issued to Devan Properties Limited at 1377-1427 Carling Avenue, Ottawa, Ontario. The certificate numbers are 3-1188-98 and 3-0515-97 and were issued 9/4/1998 and 6/19/1997, respectively. Both C of As are for municipal sewage.
- There are twenty six (26) waste generators within the Study Area. Waste classes identified are varied and are included in the EcoLog ERIS Report in Appendix B. A noteworthy waste class from the Hydro Ottawa Ltd. property directly to the east of the Site is PCB waste. Other waste generators are as follows:
 - Macies Hotel Ltd.
 - Ontario Addiction Treatment Centre
 - Carlingwood Clinico Leasing Ltd.
 - Sports and Spinal Injury Clinic
 - Milident Inc.
 - Dr. T Harle & Dr. J Paul
 - 165279 Canada Inc.
 - Hydro Ottawa Ltd



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- One (1) TSSA historic incident was reported for the Study Area. It was reported that there was a natural gas pipeline strike at 611 Island Park Crescent on 4/23/2008 (Incident Number FS INC 0804-01856). The root cause was identified as procedure and there were no details provided pertaining to environmental impact;
- One (1) TSSA incident was reported for the Study Area. It was noted that there was a 1" pipeline hit of a plastic pipe at 1199 Carling Avenue (incident ID 2368840). No other details were provided in the record;
- Six (6) TSSA Pipeline Incidents were reported. All pipeline incidents were natural gas pipeline strikes caused as a result of insufficient excavation practices. The pipeline strikes occurred at addresses, as follows:
 - 823 Merivale Road on 8/2/2011;
 - 858 Merivale Road on 6/10/2011;
 - 853 Merivale Road on 6/11/2011;
 - 1262 Thames Street on 5/24/2011;
 - 1270 Thames Street on 5/24/2011; and,
 - 1282 Thames Street on 5/24/2011.
- There were six (6) records identified in the Scott's Manufacturing Directory for the Study Area. Records include industry such as medical equipment and supplies manufacturing, periodical publishers, business associations, miscellaneous publishing, plastics manufacturing and medical equipment and supplies manufacturing;
- Records of Ontario Spills were reported, as follows:
 - Ontario Hydro at Carling and Merivale Streets (7/14/1996): 5 L non-PCB transformer oil to the ground, which was contained and cleaned up, due to a cooling system leak. No environmental impact anticipated;
 - Ontario Hydro at 1245 Carling Avenue (7/19/1993): 2 L of transformer oil to land from a transformer due to a cooling system leak. No environmental impact anticipated;
 - Ontario Greenbelt Construction Company (10/21/2011): Drinking water to the storm sewer with no anticipated environmental impact;
 - Private Owner at 197 Crerar Avenue (2/1/1990): Texaco home heating tank ruptured and 136 L was spilled to the sewer due to overstress/overpressure. A possible environmental impact was identified;
 - Private Owner in front of 1292 Thames Street (10/2/1999): 45 L of gasoline was spilled to the roadway and catch basin due to a container overflow. A possible environmental impact was identified; and,
 - Transport Truck at 1376 Carling Avenue (10/30/1996): 10 L of concentrated Javax to the ground and sewer from the truck due to a container leak. No environmental impact anticipated.



- Ten (10) water well information system (WWIS) records were identified for the Study Area. Water well records indicate that the stratigraphy of the Study Area is generally sand and gravel underlain by silty clay or clay and shale or limestone bedrock. The static water level is reported to be between 0.3 and 1.5 mbgs.

Based on review of the EcoLog ERIS report, several potentially contaminating activities (PCAs) were identified in association with the Phase One Property, including the presence of fill containing construction debris. Within the Study Area, the presence of PCB waste generated at the Hydro Sub-Station may also be a PCA for the Site.

4.2.1 Ministry of the Environment

A Freedom of Information (“FOI”) request was submitted to the Ministry of the Environment and Climate Change (“MOECC”) by Golder to determine if the MOE has information on historical spills, orders, investigations or prosecutions, waste generation and Certificates of Approval with respect to the Site.

The MOECC responded to the FOI request on June 15, 2015, indicating that no records were available for 1309 Carling Avenue. An additional request was submitted for 1255, 1271, 1277, 1277A, 1285, 1295, 1297, 1299, 1309 and 1315 Carling Avenue, Ottawa, Ontario. The MOE responded on August 7, 2015 indicating that there was additional information available pertaining to the Site. The MOE provided the following:

- An Occurrence Report: Dated 2009/09/13 indicating that an emergency generator number was issued for waste class 252L (waste oil) for 1321 Carling Avenue (manifest number GG46449-4); and,
- An Occurrence Report: Dated 1999/11/22 indicating that an emergency generator number was issued for waste class 252L (waste oil) for 1321 Carling Avenue (manifest number MM77716-7).

4.2.2 Technical Standards and Safety Authority, Fuel Safety Division Records

The Technical Standards and Safety Authority (“TSSA”) maintains records related to registered underground storage tanks (“USTs”) for petroleum-related products. The TSSA was contacted to establish the status of the Site and to identify outstanding instructions, incident reports, fuel oil spills or contamination records. On June 30, 2015 and Wednesday July 29, 2015, TSSA reported via e-mail that there were no records on file pertaining to the Site.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Aerial photographs of the Site and neighbouring properties were reviewed by Golder. Representative photographs were selected for review based on an approximate ten year interval. The information obtained from the aerial photographs was limited by the quality and scale of the available aerial photographs. The earliest aerial photograph available was from 1945.

Information obtained from the review of the aerial photographs is summarized in the following table.



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Year	Site	Surrounding Area
1945 (1:10,000)	The Site is shown as vacant land bounded by Carling Avenue at the south and a rail line at the east.	<p>North: There is rail line north of the Site, which runs in the corridor of the current Highway 417, beyond which there was vacant land.</p> <p>East: Rail line at the eastern Site boundary, beyond which is the Hydro Sub-Station and associated property. There is vacant land east of the sub-station. The Royal Ottawa Psychiatry or Royal Ottawa Sanatorium (as it was known at points throughout history) is shown to the south.</p> <p>South: Carling Avenue is at the southern Site boundary, south of which there is vacant land and possibly residences or farms. There appears to be a rail yard southeast of the Site.</p> <p>West: There appears to be farms directly west of the Site. The rail line runs and intersects Carling Avenue west of the Site.</p>



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Year	Site	Surrounding Area
1958 (GeoOttawa)	The Site is developed as the Westgate Shopping Centre and parking lot.	<p>North: The aerial image cannot confirm if the rail line north of the shopping centre is still in place. High voltage power lines are visible in the parking area north of the shopping centre, running along the railway corridor. North of the railway corridor is vacant land. A commercial building has been constructed northwest of the Site in the Study Area.</p> <p>East: The sub-station and vacant land are east of the Site boundary. The Royal Ottawa Psychiatry or Royal Ottawa Sanatorium has encroached on the vacant land is at 1145 Carling Avenue, and has large buildings at the north of the property.</p> <p>South: Commercial and residential development is occurring south of Carling Avenue. Only one vacant plot remains directly adjacent to (south of) Carling Avenue. The commercial building currently located at 1320 Carling Avenue has been constructed. Neighbourhoods south of Carling Avenue, along Thames Street, Coldrey Avenue and Crerar Avenue have been constructed. There appears to be a gasoline service station at the intersection of Thames Street and Merivale Road. There is a gas station at the corner of Carling Ave. and Meath St., and at 1330 and 1331 Carling Avenue.</p> <p>West: The farm has given way to a commercial property directly to the west of the Shopping Centre. The shadows on the aerial image resemble gasoline pumps. There also appears to be ASTs on the property (6 white cylindrically shaped structures at the rear of the property). There is construction activity occurring west of the commercial property.</p>



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Year	Site	Surrounding Area
1965 (GeoOttawa)	As per the 1958 aerial image.	<p>North: Highway 417 has been constructed north of the shopping centre. North of the Highway is green space. There is commercial development northwest of the Site, within the Study Area (Hampton Park Mall).</p> <p>East: Merivale Road now runs along the eastern Site boundary. The sub-station and 1145 Carling Ave. are as per the 1958 aerial image.</p> <p>South: As per the 1958 aerial image.</p> <p>West: There still appears to be a gasoline service station west of the Site, but it is in a different configuration than reported in the 1958 aerial image; no ASTs are visible on the property or in the vicinity of the pumps. Ramps for the highway have been constructed off of Carling Avenue westbound.</p>
1976 (GeoOttawa)	As per the 1965 aerial image.	<p>North: As per the 1965 aerial image.</p> <p>East: There is now a parking lot north of the sub-station, northeast of the Site.</p> <p>South: All vacant land along Carling Avenue has been built up with commercial properties. The high-rise at 1316 Carling Avenue has been constructed. The gas station at the corner of Meath St. and Carling Ave. has been replaced with a hotel.</p> <p>West: The commercial building at 1335 Carling Avenue has been constructed. There has been an additional parking lot constructed north of the building, west of the shopping centre.</p>
1985 (1:15,000)	The building that currently houses Monkey Joe's has been constructed in the southeast quadrant of the Shopping Centre's parking lot. The configuration of the shopping centre appears to have changed. It looks as though additional stories have been constructed over the most eastern portion of the mall.	<p>North: Two baseball fields have been constructed in the green space north of Highway 417. The configuration of the Hampton Park Mall appears to have changed. The first constructed square building is gone.</p> <p>East: As per the 1976 aerial image. There is limited photo quality to show specific developments.</p> <p>South: As per the 1976 aerial image. There is limited photo quality to show specific developments. The gas station at 1330 Carling may be gone.</p> <p>West: As per the 1976 aerial image.</p>



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Year	Site	Surrounding Area
1999 (GeoOttawa)	There has been an addition to the Shopping Centre that encloses the mall hallways to make it all indoor access. The overall footprint of the mall has increased. The third storey of the eastern part of the mall is clearly depicted (it was not clear in the 1985 aerial).	<p>North: As per the 1985 aerial image.</p> <p>East: As per the 1985 aerial image, with the addition of another building having been constructed on the sub-station property and possible construction on the 1145 Carling property.</p> <p>South: As per the 1985 aerial image. The configuration of some of the commercial properties appears to have changed south of Carling, but the land use still appears commercial.</p> <p>West: Continued development at the property at 1145 Carling Avenue (additional buildings or additions to existing buildings)</p>
2008 (GeoOttawa)	As per the 1999 aerial image. The Shopper's Drug Mart sign is visible in the aerial image. The roof configuration of the mall appears to have changed. It appears that the Shopper's Drug Mart construction changed the mall layout slightly, as the Shopper's covers a larger footprint than the former grocery store.	<p>North: As per the 1999 aerial image.</p> <p>East: There appears to be a new building at 1145 Carling Avenue (Royal Ottawa Hospital), and a ring road around the facility. There are no longer significant amounts of green space on that property. Another building has been constructed at the sub-station property.</p> <p>South: As per the 1985 aerial image. The configuration of some of the commercial properties appears to have changed south of Carling, but the land use still appears commercial.</p> <p>West: As per the 1999 aerial image.</p>
2014(GeoOttawa)	As per the 2008 aerial image.	As per the 2008 aerial image.

Based on the aerial photographs, the Phase One Property appears to have been vacant land until the construction of the Westgate Shopping Centre, at which time (approximately 1955) it was developed as the Shopping Centre and the parking area. But, as determined through the review of FIPS, there appears to have been an oil depot or gas station on the west side of the Site. It appeared between 1945 and 1958, and was removed sometime prior to the construction of the Westgate Shopping Centre in 1955. The aerial images also indicate that there were multiple gas stations and fuel storage tanks within the Study Area throughout the developed history of the area. The surrounding properties along Carling Avenue include primarily commercial properties, south of which there is a significant amount of residential development. The Shopping Centre property is bounded to the north by Highway 417, which was previously a railway corridor.

4.3.2 Topography, Hydrology and Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. A topographic map (Ontario Base Map) showing the Site area and the location of any water bodies is provided in Appendix B. Additional information on Site features, as observed at the time of the Site visit, is provided in Section 6.



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Topic	Conditions	Comment / Source
Topography of Site and Surrounding Area	The topography of the Site and surrounding areas was generally flat, with some sloping to the south, away from Highway 417, which is raised to a higher elevation than the Site. The Site is sloped to allow for drainage of surface water to stormwater catch basins.	Site and surrounding area observations
Overburden Soils	Glaciomarine and marine deposits of silt and clay (basin and quiet water deposits). The EcoLog ERIS Report indicates that the Site and Study Area are predominately silty clay and till.	Surficial Geology of Southern Ontario. Ontario Geological Survey 2010, Miscellaneous Release – Data 128-REV, EcoLog ERIS Report.
Type of Bedrock	Middle Ordovician: limestone, dolostone, shale, arkose and sandstone. Records from the EcoLog ERIS report indicate that the Site and Study Area have limestone and shale bedrock.	Bedrock Geology of Ontario. Ontario Geological Survey 2011, Miscellaneous Release – Data 126-Revision 1, EcoLog ERIS Report
Depth to Bedrock	The borehole records identified nearest to the Site (in the Study Area along Carling Avenue) indicates that there is grey limestone bedrock starting at a depth between 3.2 and 22.1 mbgs. There is also possibly shale at 19.3 mbgs.	EcoLog ERIS Report
Inferred Near Surface Groundwater Flow	Local and regional groundwater flow is anticipated to flow in a northern direction towards the Ottawa River located approximately 2.2 kilometres north and northwest of the Site. The Rideau Canal is also located approximately 2.3 kilometres east of the Site, but is expected to have less influence on groundwater flow direction than the Ottawa River. There are many subsurface utilities in the vicinity of the Site and groundwater flow direction may be affected.	Toporama topographic mapping tool from the Atlas of Canada
Site Grade Relative to the Adjoining Properties	The Site appears to follow the topography of the area. The Site is slightly below grade of the property to the west and Highway 417 to the north.	Site observations
Depth to Groundwater	The borehole records identified nearest to the Site (in the Study Area along Carling Avenue) indicates that the static water level is between 2.7 and 5.2 mbgs.	EcoLog ERIS Report



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4.3.3 Fill Materials

Topic	Conditions	Comment / Source
Fill Materials	The borehole records identified nearest to the Site (in the Study Area along Carling Avenue) indicates that that there is fill containing construction debris along Carling Avenue. It is possible that this fill extends to the Site and was used for grading during construction in the 1950's.	EcoLog ERIS Report

4.3.4 Water Bodies and Areas of Natural Significance

Topic	Conditions	Comment / Source
Nearest Open Water Body	The Ottawa River is located approximately 2.2 kilometres northwest and north of the Site.	Toporama topographic mapping tool from the Atlas of Canada
Areas of Natural Significance ("ANSI")	None identified within the Phase One Study Area.	Toporama topographic mapping tool from the Atlas of Canada

4.3.5 Well Records

Topic	Conditions	Comment / Source
Water Wells on Site (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)	No information to indicate that there are any water wells or boreholes on-Site.	EcoLog ERIS Report.
Water Wells on the Neighbouring Properties (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use)	<p>EcoLog ERIS reported eight WWIS records for the Study Area. Water well records indicate that the stratigraphy of the Study Area is generally sand and gravel underlain by silty clay and shale. The static water level is reported to be between 0.6 and 1.5 mbgs.</p> <p>The borehole records identified nearest to the Site (in the Study Area along Carling Avenue) indicates that the static water level is 2.7 and 5.2 mbgs along Carling Avenue, at the southern Site boundary.</p> <p>Additional borehole records were identified for the Study Area and reported that the static water level is between 0.6 and 19.4 and mbgs;</p>	EcoLog ERIS Report



4.4 Site Operating Records

At the time of the Site visit, the Phase One Property was developed. No Site operating records were provided to Golder for review.

Topic	Title of the information or document	Information Relevant to the Phase One ESA
Regulatory Permits and Records	Not available	None
Materials Safety Data Sheets (MSDS)	Not available	None
Underground utility drawings	Not available	None
Inventory of ASTs and USTs	Not available	None. It was reported by the Site Representative that USTs were formerly located on-Site. Former UST locations are provided on Figure 1. The Site Representative indicated that the USTs were removed with environmental work completed by Pinchin Associates in 2011 (report was not provided by the client).
Environmental monitoring data, including data created in response to an order or request of the Ministry	Not available	None
Waste management records, including current and historical waste storage location and waste receiver information maintained by the Ministry	Not available	None. RioCan at the Westgate Shopping Centre is registered in the Hazardous Waste Information Network (HWIN) as a generator of waste classes 112, 122, 145, 213, 221, 242, 251, 251, 263 and 331.
Process, production and maintenance documents related to APECs	Not available	None



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Topic	Title of the information or document	Information Relevant to the Phase One ESA
Records of spills and records of discharges of contaminants, including records of spills and records of discharges of contaminants of which notice is required to be given to the Ministry under the Act and records of such spills and discharges required to be kept pursuant to O.Reg. 675/98	Not available	None
Emergency response and contingency plans, including spill prevention and contingency plans prepared pursuant to section 91.1 of the Act, and O.Reg. 224/07	Not available	None
Environmental audit reports	Not available	None
A Site plan of the facility	Provided by the Site Representative.	A Site plan of the shopping centre was provide by the Site Representative, showing all units within the mall. Site plans from Opta and the 1994 report by Trow were reviewed.



5.0 INTERVIEWS

Mr. Mike Claessen of RioCan (hereinafter referred to as the “Site representative”), responded to a detailed environmental questionnaire on June 23, 2015. Pursuant to the requirements O.Reg. 153/04, the Site representative was interviewed as the “current owner” with knowledge of current Site operations.

Relevant information obtained during the interview and Site visit is provided in the Section 6.0.



6.0 SITE RECONNAISSANCE

6.1 General Requirements

Ms. Jillian Lackey (Environmental Consultant) of Golder performed Site visit inspections on June 24, 2015, and again on August 13, 2015. Ms. Lackey has a B.Sc. and M.A.Sc. (Civil Engineering) from Queen's University and has three years of consulting experience. The Site visits consisted of a walk-around the Site along with a cursory inspection of surrounding properties from the Site and publicly accessible areas. Specific areas focused on during that first visit were the Shopper's Drug Mart (including the basement) and the Monkey Joe's Restaurant. During the second Site visit the areas of interest were the remainder of the mall, including representative tenant spaces, basement areas at the east of the mall and utility rooms. During the first Site visit the weather conditions were sunny and the temperature was approximately 25°C. During the second Site visit the weather was sunny and approximately 30°C. At the time of both Site visits, the Site was developed as the Westgate Shopping Centre and Monkey Joe's restaurant, as well as parking areas.

Photographs of relevant features noted during the Site visit are provided in Appendix D.

6.2 Specific Observations at Phase One Property

The specific observations made during the Site visit are presented in the following sections.

Topic	Observations	Source
Structures		
Number and Age of Buildings on the Site	<p>There are two buildings within the Site area:</p> <ol style="list-style-type: none">1. Westgate Shopping Centre, constructed approximately 19552. Monkey Joe's Restaurant, constructed in approximately 1970	Site observations, Site Representative, Aerial Images
General Descriptions of Each Building (including improvements)	<ol style="list-style-type: none">1. The Westgate Shopping Centre was constructed in 1955 with additions or renovations in 1964, 1978 and 1991. The walls of the Shopping Centre are masonry (concrete blocks with a brick face) and the floors (excluding basement) are concrete. The roof of is tar and gravel. The Shopper's Drug Mart has a basement level with a concrete floor. The Shopper's Drug Mart unit was reconstructed prior to Shopper's moving in; additional space was taken from the mall to expand the floor space of the Shopper's. The east end of the mall also has a basement, which contains tenant spaces as well as utility rooms and storage spaces (for tenants and owner). The basement construction is concrete.2. The Monkey Joe's building was constructed around 1970 and is slab-on-grade construction with masonry walls.	Site observations, Opta Reports



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Topic	Observations	Source
Building Areas	<ol style="list-style-type: none"> 1. Westgate Shopping Centre (main mall): 17, 640 m² (main floor) 2. Monkey Joe's: 420 m² 	Site observations, Google Earth, Site Representative
Number of Floors (include all levels, whether above or below ground)	<ol style="list-style-type: none"> 1. Primary shopping centre space: 1 floor 2. Shopper's Drug Mart: 2 floors 3. Marianne's: 1 mezzanine level used for storage 4. Dollar Mart: 1 mezzanine level used for storage 5. Bit Heads: 2 floors with high ceilings (former location of the movie theatre) 6. Monkey Joe's: 1 floor 	Site observations, Site Representative
Number, Age, and Depth of Levels Below Ground Level	<ol style="list-style-type: none"> 1. Shopper's Drug Mart: 1 floor below grade (1955) 2. East end of mall: 1 floor below grade 	Site observations, Site Representative
Number and Details of all Aboveground Storage Tanks (ASTs)	No ASTs were observed or reported on the Phase One Property.	Site observations and Site Representative
Number and Details of all Underground Storage Tanks (USTs)	No USTs were observed or reported on the Phase One Property. It was indicated by the Site Representative that two USTs were pumped out and removed at the Site with environmental consulting services by Pinchin Environmental Ltd. in 2011. The Site Representative indicated that the pump-outs and disposal was provided by Drain-All and that there was soil excavation and disposal by K.C.E. Construction Ltd. The USTs were located at the north and northwest corner of the mall, near to the locations of the former boiler rooms (currently in use as utility rooms, serviced by natural gas).	Site observations and Site Representative
Underground Utilities		
Potable and Non-Potable Water Sources	Potable water is provided to the Site by the City of Ottawa.	Site observations and Site Representative



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Topic	Observations	Source
Utility Lines Present (i.e. Electrical, Natural Gas, other)	<p>No utility drawings are available for the Site.</p> <p>The Site is serviced by Natural Gas.</p> <p>There is a 'Transformer Room' in the basement of the Shopper's Drug Mart, which appears to have been installed during the construction of the building in 1955. There is also believed to be a former transformer room at the west side of the mall (not currently active and is out-of-service). The active 'Transformer Room' below the Shoppers Drug Mart was not accessed at the time of the Site visit, as it was indicated by the Site Representative that access is limited to Hydro Ottawa.</p>	Site Representative
Sanitary/Process Wastewater Receptor	No sanitary or process wastewater is generated on-Site.	Site observations
Sanitary Sewer Connection	<p>The Sanitary Sewer connection is provided by the City of Ottawa.</p> <p>In the basement, under the former department store, at the east part of the mall, there is a sewage collection pit. Sewage from the eastern block of the mall is pumped to that location, then out to the sewer.</p>	Site observations, Site representative
Septic Systems	None identified.	Site observations, Site representative
Storm Water Flow	Stormwater collections system (City of Ottawa).	Site observations
Storm Sewer Connection	City of Ottawa.	Site observations, Site representative



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Topic	Observations	Source
Interior of Structures		
Entry and Exit Points for Site Buildings	<ul style="list-style-type: none"> There are four mall entrances. The main entrance is at the south wall of the mall, near the eastern side (facing Monkey Joe's). The second entrance is near the Shopper's Drug Mart (along an eastern wall, facing the parking lots). The third is on the northwest wall of the mall. The remaining entrance is at the north wall of the mall, facing the highway. Shopper's Drug Mart is accessed on the east, to the parking lot, with a side entrance to the Shopping Centre and a rear service entrance from the west side of the building. Bit Heads, Pet Value and a vacant unit are accessed from the east side of the mall (not accessed from inside the mall). Royal Bank is accessed from inside the mall as well as the south side of the mall near the main entrance. All interior units are accessed through the mall. The former transformer room (out-of-service) is accessed outside the mall, at the west wall. Multiple storage spaces and utility rooms are accessed from unmarked doors from outside (facing parking areas). Monkey Joe's: Front entrance faces Carling Avenue, rear service entrance facing the parking lot behind the restaurant. <p>Most units have rear access doors (emergency exits). Multiple units (including Shopper's Drug Mart and Canada Post) have access bays for shipments. Some units in the food court do not have a rear access door. The Site Representative indicated that there are a total of four mall entrances, an entrance for the 2nd floor stairwell, a mall employee entrance, and a door to the second floor elevator. In addition, there are also 43 tenant entrance and exit doors.</p>	Site observations, Site Representative



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Topic	Observations	Source
Existing and Former Heating System(s) (include fuel type / source)	<p>Rooftop heating and cooling units (natural gas) provide heating and cooling to the individual units throughout the mall. Each tenant is responsible for their own units.</p> <p>Evidence of the former boiler heating system is present in the basement of the Shopper's Drug Mart. There is an old HVAC system, ceiling mounted heaters and HVAC piping throughout the basement. The Site Representative also indicated that there was a back-up generator in the basement at one time with piping to an outdoor storage tank (no longer on-Site). There are also two hot water heaters in the basement.</p> <p>The two former boiler rooms were located at the northwest and northeast corners of the shopping centre. The active boiler room at the northwest corner contains the current natural gas boilers. Both boiler rooms may have previously contained the former oil fueled boilers. The new boilers are fed by the local natural gas utility. At least one of the USTs associated with the former oil fueled boilers were reportedly removed.</p>	Site observations, Site representative
Existing and Former Cooling System(s) (include fuel type / source)	<p>Rooftop heating and cooling units (natural gas) for the mall.</p> <p>In the basement of the Shopper's Drug Mart there are the refrigeration compressors and pumps associated with the former grocery store. The equipment has been out of use for many years, as indicated by the Site Representative, and is roped off to discourage people from tampering with it. The Site representative was not aware of whether or not the refrigerant had been drained from the compressors before they were taken out-of-service. Newer cooling (and heating) equipment is all managed via rooftop units.</p>	Site observations, Site representative



PHASE ONE ESA – WESTGATE SHOPPING CENTRE

Topic	Observations	Source
Drains, Pits, and Sumps (include current use, if any, and former use)	<ol style="list-style-type: none"> 1. Shopper's Drug Mart: The basement of the shoppers has two sump pumps. There is one sump in the service room and one sump in the elevator shaft. Drains in the basement lead to the sump, which discharges to the sewer. Drains on the main floor discharge directly to the sewer. No sheen was noted in the sump pit, but it was reported by the Site Representative that there was once a fuel leak into the pit (fuel powered sump pump leaked), which was pumped out by Drain-All. 2. Cozy Coverings: There is a sump pump and built-up concrete pit in the back room of the unit. The Site Representative indicated that they think that that sump pit is fed by a pump at the bottom of the escalator, one in the Capital City Dance School, and another in the main unit area of Cozy Coverings. The Site Representative indicated that they believe that the pits are connected and fed to the central location at the back of Cozy Coverings, where water is then pumped to the sewer. 3. There are sumps in each elevator pit (three elevators). 	Site observations, Site representative
Unidentified Substances	None identified.	Site observations



PHASE ONE ESA – WESTGATE SHOPPING CENTRE

Topic	Observations	Source
Floor Stains or Corrosion Located near a Potential Discharge Location	<ol style="list-style-type: none"> 1. Shopper's Drug Mart: There is staining on the concrete around the sump pump in the basement utility room, near the sump pit. It was reported that there was a spill, which was cleaned up, in that location. At the time of the first Site visit there are also floor stains in the basement hallway caused by mold and water damage as water leaks into the foundation. The damage was such that the hallway was not passable at the time of the first Site visit (puddles and potential health issues). It was reported by the Site Representative at the time of the second Site Visit that WSP Global had been contracted to complete a clean-up of the water damage. 2. Cozy Coverings: There was staining observed on the concrete pit in the back utility room. It was noted that there had previously been hydrocarbons reported in the pit. The pit was pumped by Drain-All (approximately 2012) and no problems have been reported since. There is an out-of-service gas powered pump on top of the pit. The in-service pumps are electric with an oil basin to lubricate the bearings. 	Site observations, Site Representative

6.2.1 Enhanced Investigation Property

Given that the Site has previously been occupied by a dry cleaning facility and a bulk liquid dispensing facility, the Site is considered to be an enhanced investigation property as defined by O. Reg. 153/04. Relevant information is reported in the following table:

Topic	Observations	Source
Operations at the property, including processing or manufacturing	The Site is comprised of the Westgate Shopping Centre, parking lot and the Monkey Joe's Restaurant. No processing or manufacturing processes were observed or reported.	Site observations and interview
Hazardous materials used or stored at the Phase one property	None observed or reported. General cleaning chemicals are stored throughout the Site for maintenance purposes.	Site observations and interview
Products manufactured at the Phase one property;	None observed or reported.	Site observations and interview
By-products and wastes at the Phase one property	None observed or reported.	Site observations and interview



PHASE ONE ESA – WESTGATE SHOPPING CENTRE

Topic	Observations	Source
Raw materials handling and storage locations at the Phase one property	There is a sanitary sewage collection sump in one of the utility rooms on the Site. The sewage is not treated at the Site. Sewage is collected for the eastern block of the mall and then pumped to the City of Ottawa sewer system.	Site observations and interview
Location and contents of drums, totes and bins at the Phase one property	There is a grease storage container for the food court at the back of the mall as well as a grease storage container behind Monkey Joe's restaurant. The containers are emptied every 4 to 6 weeks (as required).	Site observations and interview
The location, installation date, source of incoming liquid and effluent discharge location for all oil-water separators	None observed or reported.	Site observations and interview
All vehicle and equipment maintenance areas, including the locations of maintenance, fluid storage, and waste storage areas	None observed or reported.	Site observations and interview
Details of all spills including the dates, locations, materials involved, and volumes of material spilled;	<ol style="list-style-type: none"> 1. Shopper's Drug Mart: One reported spill of hydrocarbon fuel from the gas powered sump pump to the sump pit (year not provided), which was pumped out by Drain-All. 2. Cozy Coverings: One reported spill of hydrocarbon fuel from the sump pumps to the sump pit (2012), which was pumped out by Drain-All. 	Site observations and Site Representative
Details of liquid discharge points such as water and French drains, including their locations	None observed or reported.	Site observations and interview
Details of all hydraulic lift equipment at the property, including elevators, in-ground hoists and loading docks	<p>There are three elevators located on the Site. Two of the elevators are hydraulic. The elevator shafts were not accessed at the time of the Site visit to determine if there was staining.</p> <p>Canada post has a hydraulic lift for unloading trucks. The area under the lift appeared to be free of significant staining at the time of the Site visit.</p>	Site observations and interview



6.3 Surrounding Land Use

During the Site visit, a visual reconnaissance of the outdoor operations in the Phase One Study Area was carried out from the Site and publicly accessible areas.

The surrounding properties include undeveloped land, residential, institutional and commercial land uses, as illustrated on Figure 2.

North: North of the shopping centre is Highway 417 and parkland/vacant land.

East: East of the Site is Merivale Road (eastern Site boundary). There is a Hydro Ottawa Sub-Station east of Merivale Road, which has been in operation at least 1945 (as per the aerial image). East of the sub-station is the Royal Ottawa Hospital.

South: The Site is bounded at the south by Carling Avenue. There are various commercial properties at the south side of Carling Avenue. Residential neighbourhoods are the dominant land use south of Carling Avenue (with associated community and institutional land uses typical of a residential neighbourhood).

West: Directly west of the Site is an office building and associated parking areas, which are at a higher elevation than the Site. West of the office building is infrastructure associated with Highway 417, including the on and off ramps.

6.4 Written Description of Investigation

At the time of the Site reconnaissance, conducted on June 24, 2015 and August 13, 2015, the Site consisted of an approximately 3.96 hectare irregularly shaped parcel of land. The Site includes the Westgate Shopping Centre, Monkey Joe's Restaurant and the parking lot.

Buildings on the Site included the Westgate Shopping Centre and Monkey Joe's Restaurant. The surrounding properties within the Phase One Study Area included commercial, industrial (hydro sub-station), institutional, parkland and residential land uses.

There were findings from the Site and area reconnaissance that indicate PCAs on-Site or off-Site. No additional information was obtained relevant to APECs on-Site.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses of the Site

The following summarizes the current and past uses of the Phase One Property:

Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Prior to June 3, 1839	Crown	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1945. Aerial image from 1945 shows the Site as vacant land bounded by Carling Avenue at the south and a rail line at the east.
June 3, 1839 to January 24, 1846	George Lyon	Undeveloped	Agricultural or other use	



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Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
January 24, 1846 to October 15, 1852	John Robertson	Undeveloped	Agricultural or other use	
October 15, 1852 to April 10, 1855	William Hamilton	Undeveloped	Agricultural or other use	
April 10, 1855 to May 20, 1856	Allan Gilmour	Undeveloped	Agricultural or other use	
May 20, 1856 to June 6, 1856	James Wadsworth	Undeveloped	Agricultural or other use	
June 6, 1856 to October 9, 1856	Phillip Harris	Undeveloped	Agricultural or other use	
October 9, 1856 to November 4, 1859	Hon. P.M. Vankoughnet	Undeveloped	Agricultural or other use	
November 4, 1859 to December 28, 1876	Bank of Upper Canada	Undeveloped	Agricultural or other use	
December 28, 1876 to November 27, 1895	Daniel Cowley	Undeveloped	Agricultural or other use	
November 27, 1895 to November 23, 1899	Andrew Holland	Undeveloped	Agricultural or other use	
November 23, 1899 to February 12, 1906	John Brennan	Undeveloped	Agricultural or other use	
February 12, 1906 to November 11, 1908	Andrew Holland	Undeveloped	Agricultural or other use	



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Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
November 11, 1908 to February 4, 1910	John Brennan & Herb Brennan	Undeveloped	Agricultural or other use	
February 4, 1910 to July 23, 1942	Hampton Park Limited	Undeveloped	Agricultural or other use	
July 23, 1942 April 2, 1954	Wallace Barrington	Undeveloped	Agricultural or other use	
April 2, 1954 to February 11, 1970	Westgate Shopping Centre Limited	Developed	Commercial Use	The Site is developed as the Westgate Shopping Centre and parking lot.
February 11, 1970 to May 17, 1977	Canscot Realty Investment Limited	Developed	Commercial Use	
May 17, 1977 to January 23, 1997	Rosegate Holdings Limited	Developed	Commercial Use	The building that currently houses Monkey Joe's has been constructed in the southeast quadrant of the Shopping Centre's parking lot. The configuration of the shopping centre appears to have changed. It looks as though additional stories have been constructed over the most eastern portion of the mall.
January 23, 1997 to Present	Riocan Holdings Inc.	Developed	Commercial Use	There has been an addition to the Shopping Centre that encloses the mall hallways to make it all indoor access. The overall footprint of the mall has increased. The third storey of the eastern part of the mall is clearly depicted (it was not clear in the 1985 aerial). The 2008 aerial image shows that the roof construction near the Shopper's Drug Mart has changed, and it was noted by the Site Representative that the construction of the large Shopper's Drug Mart resulted in a configuration of the tenant space to increase the footprint of that unit.

The Site has been developed as the part of the Westgate Shopping Centre and associated parking areas since 1955, with the addition of the stand-alone building now Monkey Joe's in the 1980's. Two buildings were noted on the Phase One Property, with the remainder of the Site being asphalt parking areas.



7.2 Potentially Contaminating Activity

Potentially contaminating activities, which if currently or historically carried out at a Site, may contribute to an area of potential environmental concern (“APEC”). Based on the information obtained as part of this Phase One ESA, the following PCAs were identified:

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Phase One Property	Importation of Fill Material of Unknown Quality – Fill was noted in a borehole record for the Site, as well as expected to have been brought to the Site during the construction of the Westgate Shopping Centre.	Previous EcoLog ERIS Report and Site Observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Gasoline and Associated Products Storage in Fixed Tanks It was reported by the Site Representative that there used to be heating oil storage USTs at the rear of the mall. The USTs were located at the north and northwest corner of the mall, near to the locations of the former boiler rooms. It was reported that the UST clean-up and removal was completed by Pinchin in 2010, but no report was provided to Golder for review. Also, it was noted that there were hydrocarbon products stored on the Site in the 1925 (revised 1948) FIP..	Site Representative	The PCA is located on the Phase One Property and must be identified as an APEC.
	Electricity Generator, Transformation and Power Stations – There is a Hydro-Ottawa electrical vault in the basement of the Shopper’s Drug Mart, which was not accessed during the Site visit due to accessibility restriction (Hydro Ottawa only). The Hydro vault has been in the building since approximately the construction of the mall. There is also a suspected additional decommissioned transformer room at the west side of the mall.	Site Observations	The PCA is located on the Phase One Property and is therefore identified as an APEC.
	Operation of Dry Cleaning Equipment – There used to be a dry cleaner facility in the Westgate Shopping Centre. Based on a historic mall Site Plan and the extended construction of the Shopper’s Drug Mart, the dry cleaners would have been in the area that is now adjacent to the Shopper’s Drug Mart.	1965 FIP, aerial images, city directories	The PCA is located on the Phase One Property and is therefore identified as an APEC.
Phase One Study Area (excluding	Railyards, Tracks and Spurs – A railway corridor was located in the path of the current Highway 417 and there were	Aerial photographs (1945)	Based on the up and cross gradient location of this PCA to the Site, as well as



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Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
the Phase One Property)	additional railway lines running along what is currently Merivale Road, east of the Site (adjacent).		the close down-gradient proximity, and the nature of impacts associated with this PCA (which may migrate through groundwater) the presence of this PCA may impact the Phase One Property.
	Railyards, Tracks and Spurs – A rail yard was located approximately 150 to 200 m southeast of the Site.	Aerial photographs (1945)	Given that this facility was separated from the Site by 150 m including Merivale Road and Carling Avenue and their underlying services, it is not considered to be a PCA that will result in an APEC on the Site.
	Operation of Dry Cleaning Equipment – A former dry cleaner facility was located south of the Site along Carling Avenue. It was located within 100 m of the Site.	City directories	Based on the up-gradient location of this PCA to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.
	Electricity Generator, Transformation and Power Stations – A Hydro Ottawa Sub-Station is located east of the Site, at the intersection of Merivale Road and Carling Avenue. The sub-station has been in operation since prior to 1945 and known to have contained PCBs and transformers. The power station is approximately 30 m east of the Site.	1965 FIP, Trow (1994), aerial images, Site Observations, Site Representative, city directories	Based on the cross gradient location of this PCA to the Site, as well as the close proximity, and the nature of impacts associated with this PCA (which may migrate through groundwater) the presence of this PCA may impact the Phase One Property.
	Gasoline and Associated Products Storage in Fixed Tanks – Review of historical documentation indicates that there were approximately six locations cross-to-down gradient of the Site, within 250 m, that had gasoline and/or associated products in fixed tanks (primarily USTs, some ASTs).	1965 FIP, Trow (1994), aerial images, Site Representative, city directories	Based on the down and cross-gradient location of these PCAs to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.



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Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	Commercial Autobody Shops – There is a <i>Second Chance Auto Sales</i> building approximately 40 m southwest of the Site that has a garage at the rear of the building. There are also historical references to auto repair shops in the Study Area, including the former Department of Highways and the garage and service station at the intersection of Thames and Merivale.	1965 FIP, aerial images, Site Observations, city directories	Based on the up and cross-gradient location of these PCAs to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.
	Industrial Land Use – The Seven-Up Bottling Co. was located south of the Site and had a UST on the property. In addition, west of the Site the former Barrington Petroleum Products and Ontario Department of Highways facilities may have been considered industrial.	1965 FIP, aerial images, city directories	Based on the up and cross-gradient location of these PCAs to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.

7.3 Areas of Potential Environmental Concern

The following table summarizes the findings of the Phase One ESA based on the available information. APEC locations are presented in Figure 3.

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or Sediment)
1. Potential for soil and groundwater impacts due to the reported presence of fill on the Site.	See Figure 4	Fill is reportedly present across the Site.	On-Site	Metals, PAHs	Soil and Groundwater



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Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or Sediment)
2. Potential for soil and groundwater impacts due to the former presence of fuel storage tanks on the Site and within the Phase One Study Area as well as garages/gas stations/industrial properties within the Phase One Study Area.	See Figure 4	<p>It was reported by the Site Representative that there was previously oil storage USTs at the rear of the mall. It was reported that the clean-up and removal was completed by Pinchin, but no report was provided to Golder for review. The 1925 (revised 1948) FIP also indicated that there were hydrocarbon products stored on the Site at the Sun Oil Co.</p> <p>In addition there are off-Site PCAs that may contribute to APECs on-Site.</p> <p>ASTs were located at service stations/garages/industrial properties at six locations hydraulically down-and-cross gradient of the Site. Approximate addresses are:</p> <ol style="list-style-type: none"> 1. 1376 Carling Avenue 2. 1354 Carling Avenue 3. 1330 Carling Avenue 4. 1331 Carling Avenue 5. 1316 Carling Avenue 6. 872 Merivale Road 	On-Site and off-Site	PHCs/BTEX, VOCs, PAHs	Soil and Groundwater
3. A transformer room on the Site has to potential to impact soil and groundwater on the Site.	See Figure 4	Basement of the Shopper's Drug Mart has a Hydro Ottawa transformer room	On-Site	PHCs, PCBs	Soil and Groundwater



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Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or Sediment)
4. Potential for soil and groundwater impacts due to the former presence of a dry cleaning facility on the Site and within the Phase One Study Area.	See Figure 4	There was one dry cleaning facility identified on the Site and another identified within the Phase One Study Area. One is located in the Westgate Shopping Centre and the other is approximately 100 metres south of the Site at 1317 Carling Avenue.	On-Site and Off-Site	VOCs	Soil and Groundwater
5. A hydro sub-station located to the east of the Site has to potential to impact soil and groundwater on-Site	See Figure 4	Hydro sub-station located to the east of the Site at the northeast corner of Carling Avenue at Merivale Road. The address is 1275 Carling Avenue.	Off-Site	PHCs, PCBs	Soil and Groundwater
6. Potential for soil and groundwater impacts due to former rail lines located north and east of the Site.	See Figure 4	There were rail lines along two sides of the Site. One was along the Highway 417 corridor and the other was along Merivale Road.	Off-Site	Metals, PHCs/BTEX, PAHs, VOCs	Soil and Groundwater

7.4 Conceptual Site Model

The following key Site features (as required by O.Reg. 153/04) are presented in Figures 1 and 2:

- Existing buildings and structures;
- Water bodies and areas of natural significance located in the Phase One Study Area;
- Drinking water wells on the Phase One Property;
- Roads (including names) within the Phase One Study Area;
- Uses of properties adjacent to the Phase One Property; and
- Location of identified PCAs in the Phase One Study Area (including any storage tanks).



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The following describes the Phase One ESA CSM for the Site based on the information obtained and reviewed as part of this Phase One ESA:

- At the time of the Site reconnaissance, conducted on June 24, 2015 and August 13, 2015, the Site consisted of an approximately 3.96 hectare irregularly shaped parcel of land. The Site includes the Westgate Shopping Centre, Monkey Joe's Restaurant and the parking lot.
- The Ottawa River is located approximately 2.2 kilometres northwest and north of the Site. The Rideau Canal is also located approximately 2.3 kilometres east of the Site. No areas of natural significance were identified on or within the Phase One Study Area;
- The borehole records identified nearest to the Site (in the Study Area along Carling Avenue) indicates that there is grey limestone bedrock starting at a depth between 3.2 and 22.1 mbgs. There is also possibly shale at 19.3 mbgs. That record also indicates that indicates that the static water level is between 2.7 and 5.2 mbgs. EcoLog ERIS reported WWIS records for the Study Area, which indicate that the stratigraphy of the Study Area is generally sand and gravel underlain by silty clay and shale. The static water level is reported to be between 0.6 and 1.5 mbgs. Borehole records were identified for the Study Area and reported that the static water level is between 0.6 and 19.4 and mbgs;
- The Site was developed as the Westgate Shopping Centre, parking areas and Monkey Joe's at the time of the Site visits. The Site has been developed as the Westgate Shopping Centre and associated parking areas since 1955, with the addition of the Monkey Joe's building in the 1970's. Two buildings were noted on the Phase One Property, with the remainder of the Site being asphalt parking areas. There are indications that the west side of the Phase One Property was used for a Sun Oil Co. bulk liquid dispensing facility (gasoline storage tanks) around 1951. The Site has been used as a dry cleaning facility and a bulk liquid dispensing facility. As such, the Phase One Property is considered to be an enhanced investigation property.
- At the time of the Site Reconnaissance the surrounding properties include undeveloped land, residential, institutional and commercial land uses.
- PCAs were identified in the Phase One Study Area and tabulated below and are shown on Figure 3;

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Phase One Property	Importation of Fill Material of Unknown Quality – Fill was noted in a borehole record for the Site, as well as expected to have been brought to the Site during the construction of the Westgate Shopping Centre.	Previous EcoLog ERIS Report and Site Observations	The PCA is located on the Phase One Property and must be identified as an APEC.
	Gasoline and Associated Products Storage in Fixed Tanks It was reported by the Site Representative that there used to be heating oil storage USTs at the rear of the mall. The USTs were located at the north and northwest corner of the mall,	Site Representative	The PCA is located on the Phase One Property and must be identified as an APEC.



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Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	near to the locations of the former boiler rooms. It was reported that the UST clean-up and removal was completed by Pinchin in 2010, but no report was provided to Golder for review. Also, it was noted that there were hydrocarbon products stored on the Site in the 1925 (revised 1948) FIP..		
	Electricity Generator, Transformation and Power Stations – There is a Hydro-Ottawa electrical vault in the basement of the Shopper's Drug Mart, which was not accessed during the Site visit due to accessibility restriction (Hydro Ottawa only). The Hydro vault has been in the building since approximately the construction of the mall. There is also a suspected additional decommissioned transformer room at the west side of the mall.	Site Observations	The PCA is located on the Phase One Property and is therefore identified as an APEC.
	Operation of Dry Cleaning Equipment – There used to be a dry cleaner facility in the Westgate Shopping Centre. Based on a historic mall Site Plan and the extended construction of the Shopper's Drug Mart, the dry cleaners would have been in the area that is now adjacent to the Shopper's Drug Mart.	1965 FIP, aerial images, city directories	The PCA is located on the Phase One Property and is therefore identified as an APEC.
Phase One Study Area (excluding the Phase One Property)	Railyards, Tracks and Spurs – A railway corridor was located in the path of the current Highway 417 and there were additional railway lines running along what is currently Merivale Road, east of the Site (adjacent).	Aerial photographs (1945)	Based on the up and cross gradient location of this PCA to the Site, as well as the close down-gradient proximity, and the nature of impacts associated with this PCA (which may migrate through groundwater) the presence of this PCA may impact the Phase One Property.
	Railyards, Tracks and Spurs – A rail yard was located approximately 150 to 200 m southeast of the Site.	Aerial photographs (1945)	Given that this facility was separated from the Site by 150 m including Merivale Road and Carling Avenue and their underlying services, it is not considered to be a PCA that will result in an APEC on the Site.



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Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	Operation of Dry Cleaning Equipment – A former dry cleaner facility was located south of the Site along Carling Avenue. It was located within 100 m of the Site.	City directories	Based on the up-gradient location of this PCA to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.
	Electricity Generator, Transformation and Power Stations – A Hydro Ottawa Sub-Station is located east of the Site, at the intersection of Merivale Road and Carling Avenue. The sub-station has been in operation since prior to 1945 and known to have contained PCBs and transformers. The power station is approximately 30 m east of the Site.	1965 FIP, Trow (1994), aerial images, Site Observations, Site Representative, city directories	Based on the cross gradient location of this PCA to the Site, as well as the close proximity, and the nature of impacts associated with this PCA (which may migrate through groundwater) the presence of this PCA may impact the Phase One Property.
	Gasoline and Associated Products Storage in Fixed Tanks – Review of historical documentation indicates that there were approximately six locations cross-to-down gradient of the Site, within 250 m, that had gasoline and/or associated products in fixed tanks (primarily USTs, some ASTs).	1965 FIP, Trow (1994), aerial images, Site Representative, city directories	Based on the down and cross-gradient location of these PCAs to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.
	Commercial Autobody Shops – There is a <i>Second Chance Auto Sales</i> building approximately 40 m southwest of the Site that has a garage at the rear of the building. There are also historical references to auto repair shops in the Study Area, including the former Department of Highways and the garage and service station at the intersection of Thames and Merivale.	1965 FIP, aerial images, Site Observations, city directories	Based on the up and cross-gradient location of these PCAs to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.



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Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	Industrial Land Use – The Seven-Up Bottling Co. was located south of the Site and had a UST on the property. In addition, west of the Site the former Barrington Petroleum Products and Ontario Department of Highways facilities may have been considered industrial.	1965 FIP, aerial images, city directories	Based on the up and cross-gradient location of these PCAs to the Site, and the nature of impacts associated with this PCA, which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.



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- Underground utilities are known to be present at the Phase One Property;
- Soil at the Site consists primarily of Glaciomarine and marine deposits of silt and clay (basin and quiet water deposits). The EcoLog ERIS Report indicates that the Site and Study Area are predominately silty clay and till. Bedrock in the Phase One Study Area is Middle Ordovician: limestone, dolostone, shale, arkose and sandstone. Records from the EcoLog ERIS report indicate that the Site and Study Area have limestone and shale bedrock. The borehole record identified nearest to the Site indicates that there is grey limestone bedrock at a depth of 13.7 mbgs; and,
- Local and regional groundwater flow is anticipated to flow in a northern direction toward the Ottawa River located approximately 2.2 kilometres north and northwest of the Site. The Rideau Canal is also located approximately 2.3 kilometres east of the Site. There are many subsurface utilities in the vicinity of the Site and groundwater flow direction may be affected.

7.4.1 Uncertainty and Absence of Information

A response to Golder's requests for information from the City of Ottawa was not available at the time of writing this report.

There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One Conceptual Site Model or the findings of this Phase One ESA.



8.0 CONCLUSIONS

8.1 Need for a Phase Two ESA

O.Reg. 153/04 refers to potentially contaminating activities (PCAs) and areas of potential environmental concern (APECs) and assigns numbers to the PCAs. In the report summary herewith the PCA number is provided together with the description of the APEC.

Based on the information obtained and reviewed as part of this Phase One ESA, the following PCAs resulted in APECs on the Site:

- PCA #30. Fill - Reportedly present across the Site (metals, PAHs);
- PCA #28, #52, #10. It was reported by the Site Representative that there was previously oil storage USTs on the northwest corner of the mall. It was reported that the clean-up and removal was completed by Pinchin, but no report was provided to Golder for review. Also, it was noted that there were hydrocarbon products stored on the western and northwestern part of the Site at the Sun Oil Co. Ltd. in the 1925 (revised 1948) FIP. In addition, off-Site USTs were historically located at service stations/garages/industrial properties at six locations hydraulically up-and-cross gradient of the Site (PHCs/BTEX, VOCs, PAHs). Approximate addresses are:
 - 1376 Carling Avenue
 - 1354 Carling Avenue
 - 1330 Carling Avenue
 - 1331 Carling Avenue
 - 1316 Carling Avenue
 - 872 Merivale Road
- PCA #18. Transformers and Hydro Sub-Station – On-Site transformer rooms and off-Site (to the east) Hydro Sub-Station (PHCs, PCBs);
- PCA #37. Operation of Dry Cleaning Equipment (where chemicals are used) - There has been a dry cleaners in the Westgate Shopping Centre and another possible dry-cleaners location south of the Site along Carling Avenue, since the 1960's. The cleaner in the mall is on-Site. The other dry cleaning location of interest was within 100 metres of the Site, on the south side of Carling Avenue (VOCs);
- PCA #46. Former railway lines were historically located within the Study Area (metals, PHCs/BTEX, PAHs, VOCs);

Based on the above, and the additional information provided in Section 7.3, a Phase Two ESA is required to support the submission of an RSC for the Site.



8.2 Record of Site Condition Based on Phase One Environmental Site Assessment Alone

As indicated above, APECs were identified in association with the Site. There are indications that the Phase One Property or neighbouring properties in the Phase One Study Area were used for an industrial use or any of the following commercial uses: vehicle garage, bulk liquid dispensing facility, or dry cleaning facility. Accordingly, a Phase Two ESA should be completed prior to the submission of a record of site condition is submitted to determine if the Phase One Property is suitable for any of the property uses listed in subsection 1(2) of the regulation.



9.0 REFERENCES

The following documents and/or data were cited in this report:

Source	Date
Canadian Standards Association Document Z768-01 'Phase One – Environmental Site Assessments'	November 2001
Ontario Base Mapping ("OBM"), Ontario Ministry of Natural Resources – obtained by EcoLog ERIS	February 23, 2015
Bedrock Geology of Ontario, Ontario Geological Survey 2011. Miscellaneous Release – Data 126-Revision 1. 1:250,000.	2011
The Surficial Geology of Southern Ontario, Ontario Geological Survey 2010. Miscellaneous Release – Data 128-REV. 1:50,000.	2010
Area of Natural & Scientific Interest (ANSI), Ontario Ministry of Natural Resources – obtained by EcoLog ERIS	July 29, 2015
Aerial Photographs – obtained by LGI on behalf of Golder.	1946, 1960, 1974, 1981, 1988
Google Earth Images, reviewed online.	2002, 2007 and 2012
Fire Insurance Plan, Property Underwriters' Plans and Reports, obtained by Opta on behalf of Golder.	FIP – 1965 PURs – various PUPs – various
City Directories, obtained by LGI on behalf of Golder.	1941, 1946, 1951, 1956, 1961, 1966, 1971, 1976, 1981-82, 1987, 1992, 1996-97, 2001-02, 2006-07, and 2011.
EcoLog Environmental Risk Information Services	August 4, 2015
Chain of Title, obtained by Domsons Title Search Inc.	February 25, 2015
Regulatory response from the Ministry of the Environment and Climate Change	March 17, 2015 August 7, 2015
Previous Environmental Reports - Trow	January 19, 1994



10.0 LIMITATIONS AND USE OF REPORT

This report (the “Report”) was prepared for the exclusive use of RioCan Management Inc. for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, Golder Associates Ltd. (“Golder”) has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or incomplete or inaccurate historical information from the various agencies. Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third party. If a third party requires reliance on this Report, prior written authorization from Golder is required. Golder disclaims any responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The scope and the period of Golder’s assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Except as noted herein, the work was conducted in accordance with the scope of work and terms and conditions of Golder’s proposal. Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the Site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the assessment Golder was retained to undertake with respect to the Site and additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder’s opinions are based upon information that existed at the time of the writing of the Report. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time the Site was visited, and cannot be used to assess the effect of any subsequent changes in any laws, regulations, the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. If a service is not expressly indicated, do not assume it has been provided.

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices.



11.0 STATEMENT OF COMPLETION

The undersigned confirm that this Phase One Environmental Site Assessment was conducted in a manner consistent with the expected standard of care for the consulting industry in Ontario and meets the requirements for Phase One ESAs as set out in O.Reg. 153/04.



PHASE ONE ESA – WESTGATE SHOPPING CENTRE

12.0 CLOSURE

We trust that the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

GOLDER ASSOCIATES LTD.

Alyssa Troke, B.Sc., E.I.T.
Environmental Consultant

Berend Jan Velderman, M.Sc., P. Geo., QPESA
Principal



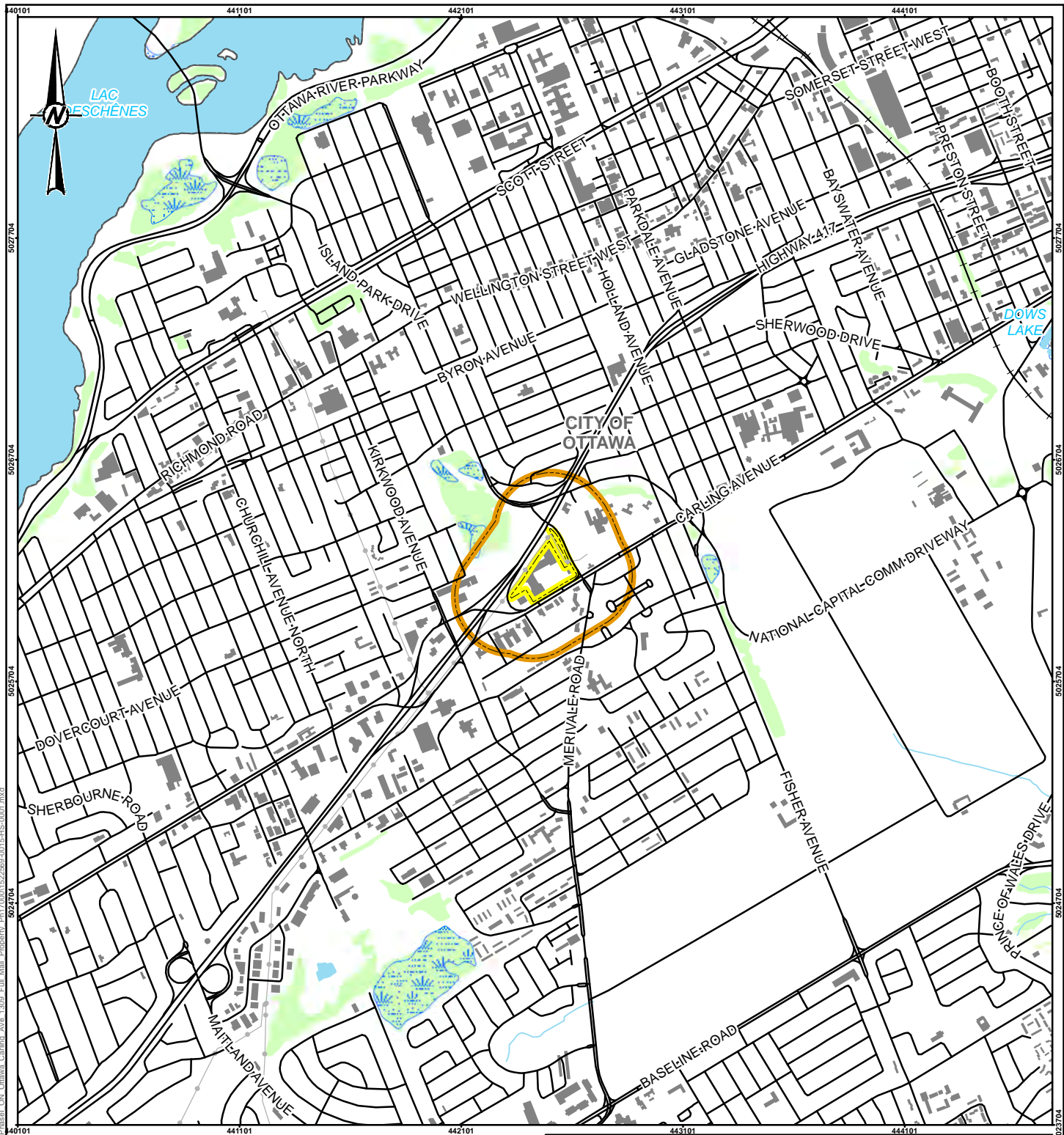
AT/JL/BJV/nh

\\golder.gds\gal\ottawa\active\2015\3 proj\1522569 rio can ph i and phii various\phase 17000 westgate\phase one esa\final report\1522569 (17000) rpt sept 4'15 rio can westgate rev1.docx

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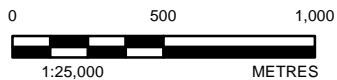


FIGURES



LEGEND

- RAILWAY
- ROAD
- UTILITY LINE
- WATERCOURSE
- WATERBODY
- WETLAND
- WOODED AREA
- BUILDING
- MUNICIPAL BOUNDARY
- APPROXIMATE PHASE ONE PROPERTY
- PHASE ONE STUDY AREA (250 METRE RADIUS)



REFERENCE(S)

BASE DATA - MNR LIO, OBTAINED 2015
 PRODUCED BY GOLDER ASSOCIATES LTD UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2015
 PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 18N

CLIENT
 RIOCAN MANAGEMENT INC.

PROJECT
 PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
 1309 CARLING AVENUE, OTTAWA, ONTARIO

TITLE
KEY PLAN

CONSULTANT



YYYY-MM-DD 2015-08-21

DESIGNED JT

PREPARED JT

REVIEWED AT

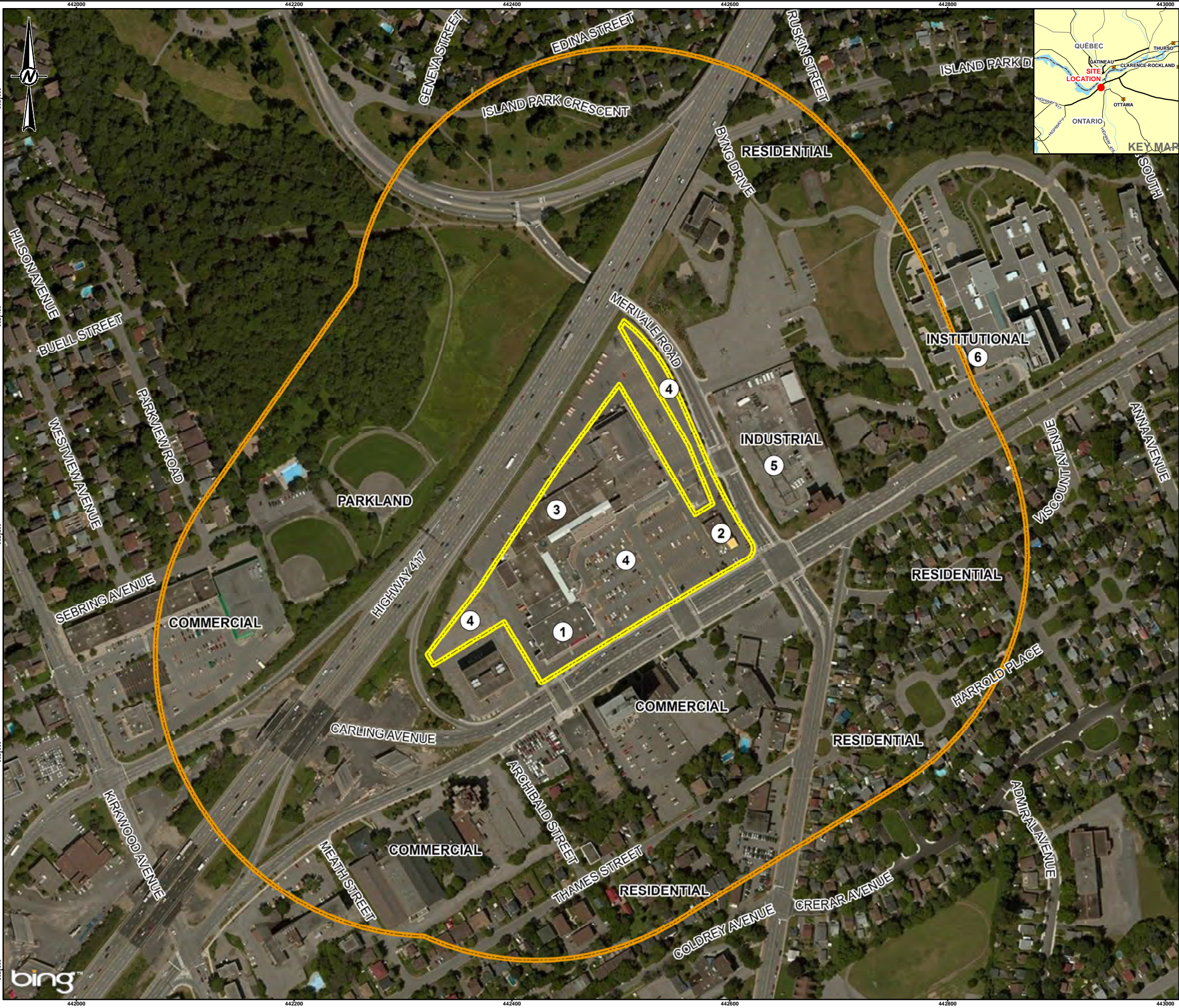
APPROVED BJV

PROJECT NO.
 1522569

PHASE
 17000

REV.
 0

FIGURE
1



LEGEND

- ① ON-SITE/OFF-SITE FEATURE
- APPROXIMATE PHASE I PROPERTY
- PHASE ONE STUDY AREA (250 METRE RADIUS)

ON-SITE FEATURES

- SHOPPER'S DRUG MART
- MONKEY JOE'S RESTAURANT
- WESTGAT SHOPPING CENTRE
- PARKING AREAS

OFF-SITE FEATURES

- HYDRO OTTAWA SUB-STATION
- ROYAL OTTAWA HOSPITAL

REFERENCE(S)


BASE DATA - ATLAS OF CANADA, NATURAL RESOURCES CANADA, 2011. MNR LIO, OBTAINED 2015.
PRODUCED BY GOLDER ASSOCIATES LTD UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEEN'S PRINTER 2015
BASE IMAGERY - MICROSOFT BING ©2015 MICROSOFT CORPORATION AND ITS DATA SUPPLIERS.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 18N

CLIENT
RIOCAN MANAGEMENT INC.

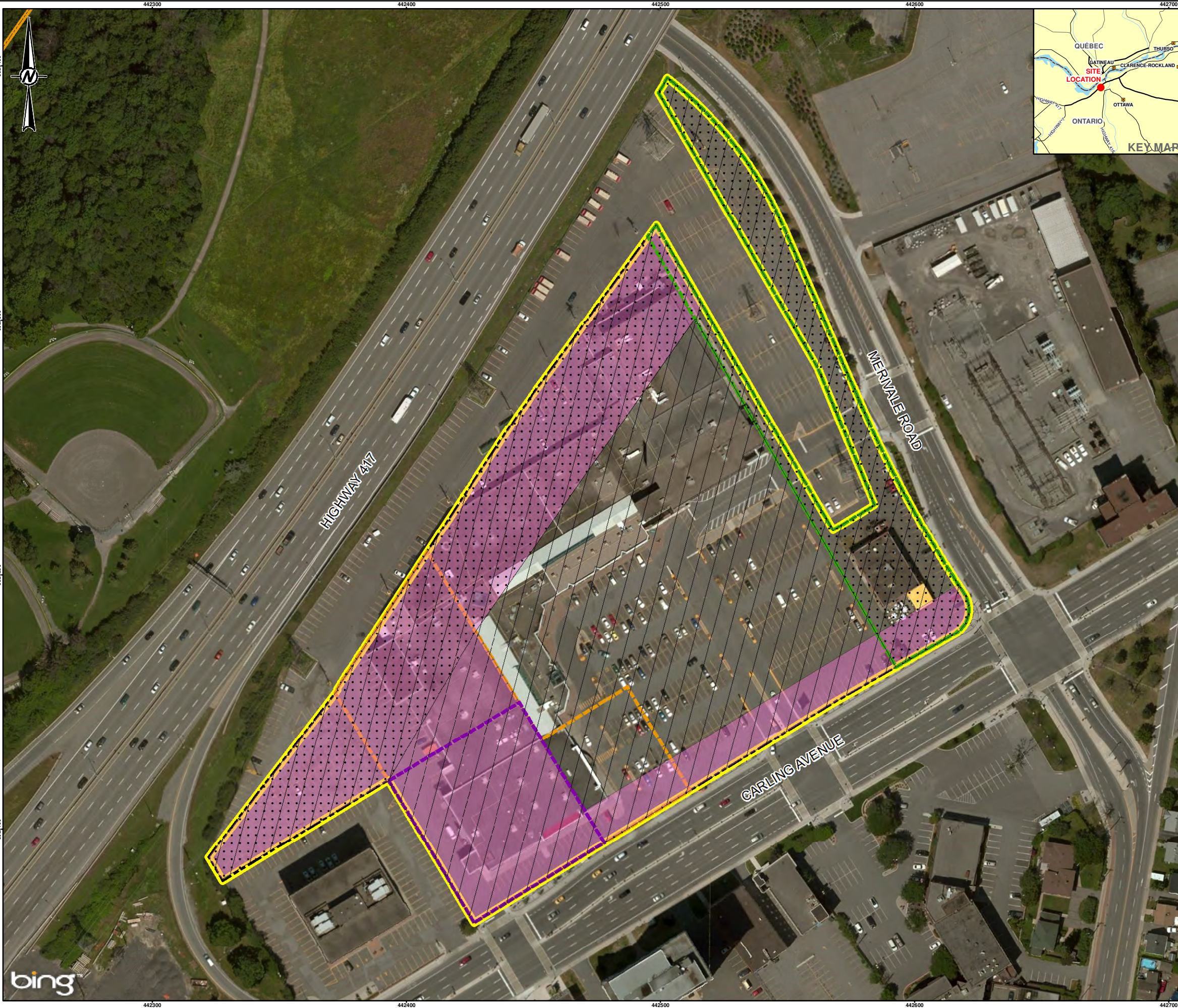
PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
1309 CARLING AVENUE, OTTAWA, ONTARIO

TITLE
PHASE ONE PROPERTY AND PHASE ONE STUDY AREA

CONSULTANT	YYYY-MM-DD	2015-08-21
DESIGNED	JT	
PREPARED	JT	
REVIEWED	AT	
APPROVED	BJV	

 **Golder Associates**

PROJECT NO. 1522569	PHASE 17000	REV. 0	FIGURE 2
------------------------	----------------	-----------	--------------------



LEGEND
 APPROXIMATE PHASE ONE PROPERTY
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
 APEC 1 (SITE WIDE)
 APEC 2
 APEC 3
 APEC 4
 APEC 5
 APEC 6

Areas of Potential Environmental Concern ("APEC")		
APEC #	Detail	PCA#
1	Importation of Fill Material of Unknown Quality	30
2	Gasoline and Associated Products in Fixed Tanks, Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles and Material Used to Maintain Transportation Systems, and Commercial Autobody Shops	28, 52, 10
3	Electricity Generator, Transformation and Power Stations (Transformer Room)	18
4	Operation of Dry Cleaning Equipment (where chemicals are used)	37
5	Electricity Generator, Transformation and Power Stations (Hydro Ottawa Sub-Station)	18
6	Rail Yards, Tracks and Spurs	46

REFERENCE(S)
BASE DATA - ATLAS OF CANADA, NATURAL RESOURCES CANADA, 2011. MNR LIO, OBTAINED 2015.
PRODUCED BY GOLDER ASSOCIATES LTD UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEEN'S PRINTER 2015
BASE IMAGERY - MICROSOFT BING ©2015 MICROSOFT CORPORATION AND ITS DATA SUPPLIERS.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: UTM ZONE 18N

CLIENT
RIOCAN MANAGEMENT INC.

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
1309 CARLING AVENUE, OTTAWA, ONTARIO

TITLE
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CONSULTANT	YYYY-MM-DD	2015-08-21
	DESIGNED	JT
	PREPARED	JT
	REVIEWED	AT
	APPROVED	BJV

PROJECT NO. 1522569	PHASE 17000	REV. 0	FIGURE 4
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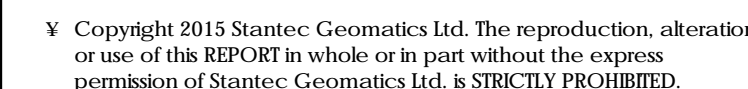
S:\Client\RIOCAN\Canada\99_PROJ\1522569_ES&A\0_PROJ\1522569_001\545-004.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: 25mm



APPENDIX A

Plan of Survey



Scale 1:300

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

BEARING NOTE
BEARINGS ARE GRID BEARINGS DERIVED FROM THE CAN-NET VRS NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN 76°30' WEST LONGITUDE MTM ONTARIO COORDINATES SYSTEM, NAD83 (ORIGINAL) ZONE 9.

DISTANCES ON THIS PLAN MAY BE CONVERTED TO GROUND DISTANCES BY DIVIDING BY A
COMBINED SCALE FACTOR OF 0.9999363.

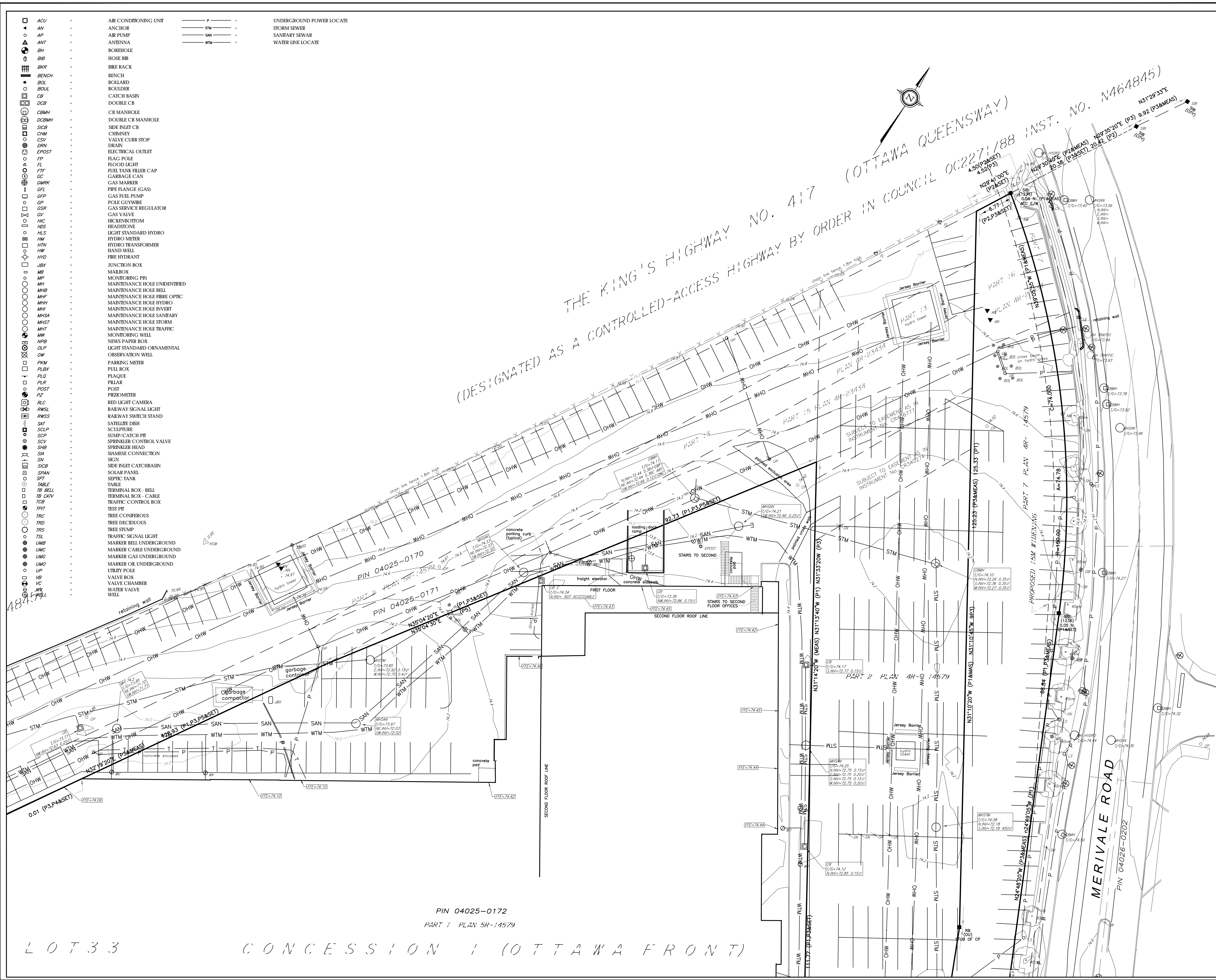
VERTICAL DATUM NOTE
ELEVATIONS ARE OF GEODETIC ORIGIN AND ARE DERIVED FROM CONTROL MONUMENT 01919680315 HAVING AN ELEVATION OF 83.635.

<u>LEGEND</u>	
■	DENOTES FOUND MONUMENTS
□	SET MONUMENTS
▣	IRON BAR
46-	ROUND IRON BAR
SB	STANDARD IRON BAR
SSB	SHORT STANDARD IRON BAR
CC	CUT CROSS
CP	CONCRETE PIN
◆CM	BENCHMARK
◆CM	CONCRETE MONUMENT
△HCM	HORIZONTAL CONTROL MONUMENT
○NC	NAIL AND WASHER
○PCN	PN NAIL
▽VCM	VERTICAL CONTROL MONUMENT
WIT	WITNESS
PN	PROPERTY IDENTIFICATION NUMBER
MEAS	MEASURED
PROP	PROPORTIONED
OU	ORIGIN UNKNOWN
SG	STATIC GEOMATICS LTD.
P1	PLAN 5B 14579
P2	PLAN 4R 20932
P3	PLAN 4R 23434
P4	PLAN OF SURVEY BY FARHALL MOFFETT WOODLAND OLS DATED JUNE 2, 1981
P5	PLAN OF SURVEY BY FARHALL MOFFETT WOODLAND OLS DATED JUNE 6, 1987
INST	INSTRUMENT NO. CF708556

NOTES

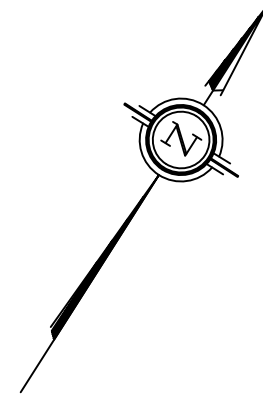
UNDERGROUND UTILITY LOCATES PROVIDED BY USL-1 UNDERGROUND SERVICE LOCATORS. THE POSITION OF UNDERGROUND UTILITIES, AS REPRESENTED BY THE USL-LOCATES, ARE APPROXIMATE. SEWER LINES ARE SHOWN AS DIRECT CONNECTION FROM CENTRE OF MANHOLE TO CENTRE OF MANHOLE AND DOES NOT TAKE INTO ACCOUNT OFFSET MANHOLE CHAMBERS IF IN EXISTANCE

THE END USER IS RESPONSIBLE FOR OBTAINING LOCATES PRIOR TO BREAKING GROUND



ACU	AIR CONDITIONING UNIT
AN	ANCHOR
AP	AIR PUMP
ANT	ANTENNA
BH	BOREHOLE
BB	BOREHOLE
BKR	BIKE RACK
BENCH	BENCH
BOL	BOLLARD
BOUL	BOULDER
CB	CATCH BASIN
DCB	DOUBLE CB
CBMH	CB MANHOLE
DCBMH	DOUBLE CB MANHOLE
SICB	SIDE INLET CB
CHM	CHIMNEY
CSV	VALVE CURB STOP
DRN	DRAIN
EPCST	ELECTRICAL OUTLET
FP	FLAG POLE
FL	FLOOD LIGHT
FTF	FUEL TANK FILLER CAP
GC	GARRAGE CAN
GMK	GAS MARKER
QFL	PIPE FLANGE (GAS)
GFP	GAS FUEL PUMP
GP	POLE GUYWIRE
GSR	GAS SERVICE REGULATOR
GV	GAS VALVE
HIC	HICKENBOTTOM
HDS	HEADSTONE
HLS	LIGHT STANDARD HYDRO
HM	HYDRO METER
HTN	HYDRO TRANSFORMER
HW	HAND WELL
HYD	FIRE HYDRANT
JBX	JUNCTION BOX
MB	MAILBOX
MP	MONITORING PIN
MH	MAINTENANCE HOLE UNIDENTIFIED
MHB	MAINTENANCE HOLE BELL
MHF	MAINTENANCE HOLE FIBRE OPTIC
MHH	MAINTENANCE HOLE HYDRO
MHI	MAINTENANCE HOLE INVERT
MHSA	MAINTENANCE HOLE SANITARY
MHST	MAINTENANCE HOLE STORM
MHT	MAINTENANCE HOLE TRAFFIC
MW	MONITORING WELL
NPR	NEWS PAPER BOX
OLP	LIGHT STANDARD ORNAMENTAL
OW	OBSERVATION WELL
PHM	PARKING METER
PLBX	PULL BOX
PLQ	PLAQUE
PLR	PILAR
POST	POST
PZ	PIEZOMETER
RLC	RED LIGHT CAMERA
RWSL	RAILWAY SIGNAL LIGHT
RWSS	RAILWAY SWITCH STAND
SAT	SATELLITE DISH
SCPL	SCULPTURE
SCP	SUMP/CATCH PIT
SCV	SPRINKLER CONTROL VALVE
SHB	SPRINKLER HEAD
SA	SIAMSE CONNECTION
SV	SICN
SICB	SIDE INLET CATCHBASIN
SPAN	SOLAR PANEL
SPT	SEPTIC TANK
TABLE	TABLE
TB	TERMINAL BOX - BELL
TCB	TERMINAL BOX - CABLE
TCB	TRAFFIC CONTROL BOX
TRT	TEST PIT
TRC	TREE CONIFEROUS
TRD	TREE DECIDUOUS
TRS	TREE STUMP
TSL	TRAFFIC SIGNAL LIGHT
UMD	MARKER BELL UNDERGROUND
UMC	MARKER CABLE UNDERGROUND
UMG	MARKER GAS UNDERGROUND
UMO	MARKER OIL UNDERGROUND
UP	UTILITY POLE
VB	VALVE BOX
VC	VALVE CHAMBER
WV	WATER VALVE
WELL	WELL

---	UNDERGROUND POWER LOCATE
---	STORM SEWER
---	SANITARY SEWER
---	WATER LINE LOCATE



THE KING'S HIGHWAY NO. 417 (OTTAWA QUEENSWAY)
(DESIGNATED AS A CONTROLLED-ACCESS HIGHWAY BY ORDER IN COUNCIL 002271/88 INST. NO. N464845)

LOT 33

CONCESSION



Stantec Geomatics Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

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TOPOGRAPHIC PLAN of PART OF LOT 33 CONCESSION 1 (OTTAWA FRONT) (GEOGRAPHIC TOWNSHIP OF NEPEAN CITY OF OTTAWA)

Scale 1:300
0 5 10 15 20 METRES

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

BEARING NOTE
BEARINGS ARE GRID BEARINGS DERIVED FROM THE CAN-NET VRS NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN 74°30' WEST LONGITUDE MTM ONTARIO COORDINATES SYSTEM, NAD83 (ORIGINAL) ZONE 9.

DISTANCES ON THIS PLAN MAY BE CONVERTED TO GROUND DISTANCES BY DIVIDING BY A COMBINED SCALE FACTOR OF 0.9999983.

VERTICAL DATUM NOTE
ELEVATIONS ARE OF GEODETIK ORIGIN AND ARE DERIVED FROM CONTROL MONUMENT 01919880315 HAVING AN ELEVATION OF 83.638.

LEGEND

DENOTES	FOUND MONUMENTS
■	SET MONUMENTS
IR	IRON BAR
4R	ROUND IRON BAR
SB	STANDARD IRON BAR
SSB	SHORT STANDARD IRON BAR
CC	CUT CROSS
CP	CONCRETE PIN
BM	BENCHMARK
CM	CONCRETE MONUMENT
HCM	HORIZONTAL CONTROL MONUMENT
NW	NAIL AND WASHER
PKN	PK NAIL
VCM	VERTICAL CONTROL MONUMENT
WIT	WITNESS
PN	PROPERTY IDENTIFICATION NUMBER
MEAS	MEASURED
PROP	PROPORTIONED
OU	ORIGIN UNKNOWN
SG	STANTEC GEOMATICS LTD.
P1	PLAN 5R-14579
P2	PLAN 4R-20932
P3	PLAN 4R-23434
P4	PLAN OF SURVEY BY FAIRHALL MOFFETT WOODLAND OLS DATED JANUARY 6, 1987

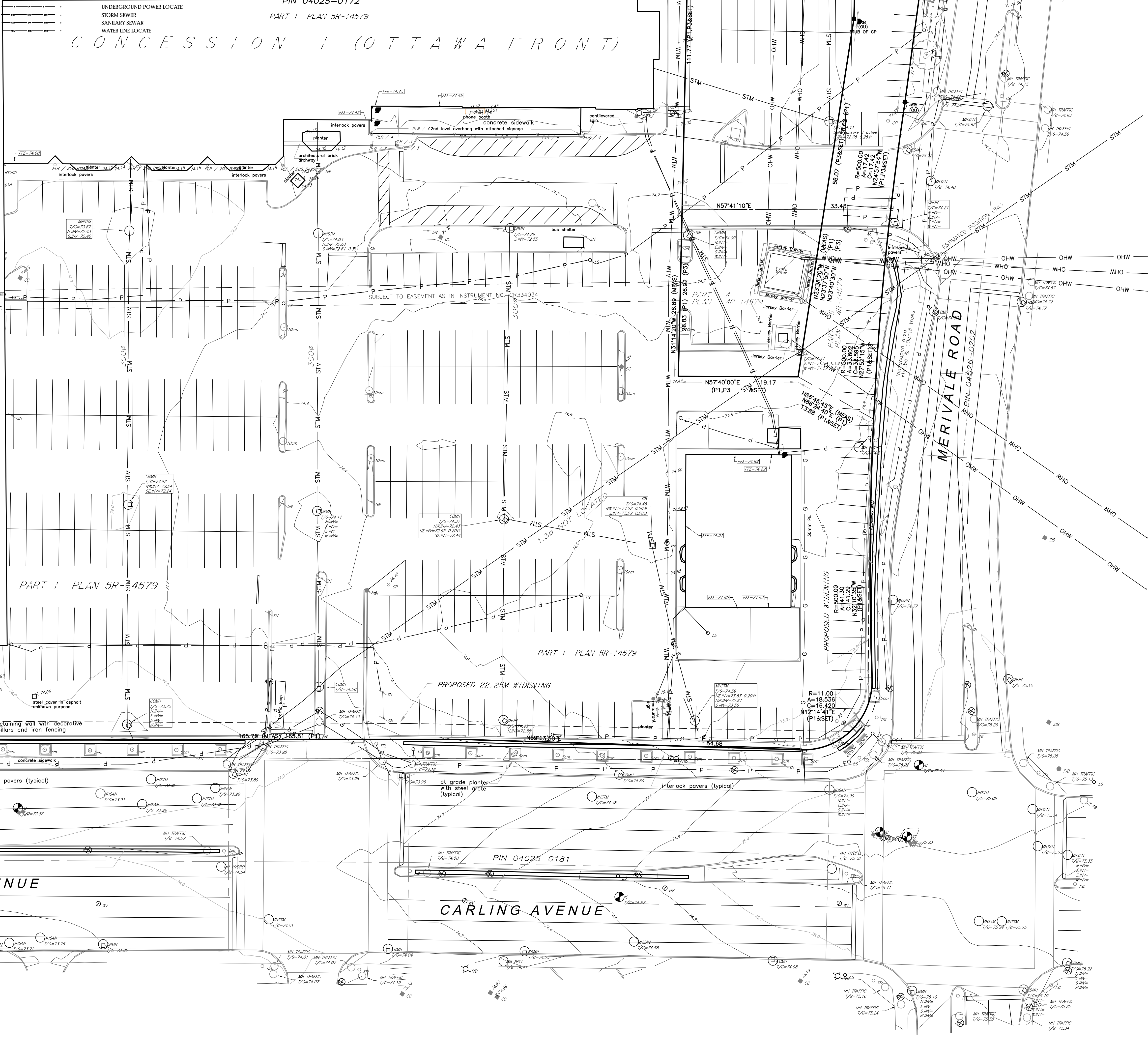
NOTES

UNDERGROUND UTILITY LOCATES PROVIDED BY USL-1 UNDERGROUND SERVICE LOCATORS. THE POSITION OF UNDERGROUND UTILITIES, AS REPRESENTED BY THE USL-1 LOCATES, ARE APPROXIMATE. SEWER LINES ARE SHOWN AS DIRECT CONNECTION FROM CENTRE OF MANHOLE TO CENTRE OF MANHOLE AND DOES NOT TAKE INTO ACCOUNT OFFSET MANHOLE CHAMBERS, IF IN EXISTANCE.

THE END USER IS RESPONSIBLE FOR OBTAINING LOCATES PRIOR TO BREAKING GROUND.

- [illegible]

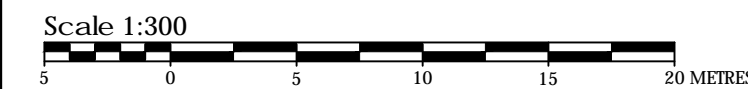
- AIR CONDITIONING UNIT
ANCHOR
AIR PUMP
ANTENNA
BORERHOLE
BOSS
BIKE RACK
BENCH
BOLLARD
BOULDER
CARGO BASIN
DOUBLE CUB
CUB MANHOLE
DOUBLE CUB MANHOLE
SIDE INLET CUB
CHIMNEY
VALVE CURB STOP
DRAIN
ELECTRIC OUTLET
RAC POLE
FLOOD LIGHT
FUEL TANK FILLER CAP
GARDEN HOSE
GAS MARKER
PIPE FLANGE (GAS)
GAS PUMP
POLE GUYWIRE
GAS VALVE REGULATOR
GAS VALVE
HICKENBOTTLE
HEADSTONE
LIGHTING HARDWARE
HYDRO METER
HYDRO TRANSFORMER
HAND WELL
FIRE ALARM
JUNCTION BOX
MAILBOX
MONTROING PIN
MAINTENANCE HOLE UNIT
MAINTENANCE HOLE BELLY
MAINTENANCE HOLE FIBRE
MAINTENANCE HOLE HYD
MAINTENANCE HOLE INV
MAINTENANCE HOLE SAN
MAINTENANCE HOLE TRAM
MAINTENANCE HOLE TRA
MONTROING WELL
NEWS PAPER BOX
LIGHT STANDARD ORNAMENT
OBSERVATION WELL
PARKING METER
PULL BOX
PLAQUE
PILAR
POST
PEZ dispenser
RED LIGHT CAMERA
RAILWAY SIGNAL LIGHT
RAILWAY SWITCH STAND
SATELLITE DISH
SCULPTURE
SUMMER CHIMP
SPRINKLER CONTROL VALVE
SPRINKLER HEAD
SAMEISE CONNECTION
SIGNAL LIGHT
SIDE INLET CATCHBASIN
SOLAR PANEL
SEPTIC TANK
TABLE
TERMINAL BOX - BELL
TERMINAL BOX - CABLE
TRAFFIC CONTROL BOX
TEST PIT
TREE CONIFEROUS
TREE DECIDUOUS
TREE STUMP
TRAFFIC SIGNAL LIGHT
MARKER BELL UNDERGROUND
MARKER CABLE UNDERGROUND
MARKER HOLE UNDERGROUND
MARKER OIL UNDERGROUND
UTILITY POLE
VALVE BOX
VALVE CHAMBER
VALVE
WATER VALVE
WELL



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TOPOGRAPHIC PLAN of
PART OF LOT 33
CONCESSION 1 (OTTAWA FRONT)
(GEOGRAPHIC TOWNSHIP OF NEPEAN
CITY OF OTTAWA



METRIC CONVERSION

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

BEARING NOTE

BEARINGS ARE GRID BEARINGS DERIVED FROM THE CAN-NET VRS NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN 76°30' WEST LONGITUDE MTM ONTARIO COORDINATES SYSTEM, NAD83 (ORIGINAL) ZONE 9.

DISTANCES ON THIS PLAN MAY BE CONVERTED TO GROUND DISTANCES BY DIVIDING BY A
COMBINED SCALE FACTOR OF 0.9999363.

VERTICAL DATUM NOTE

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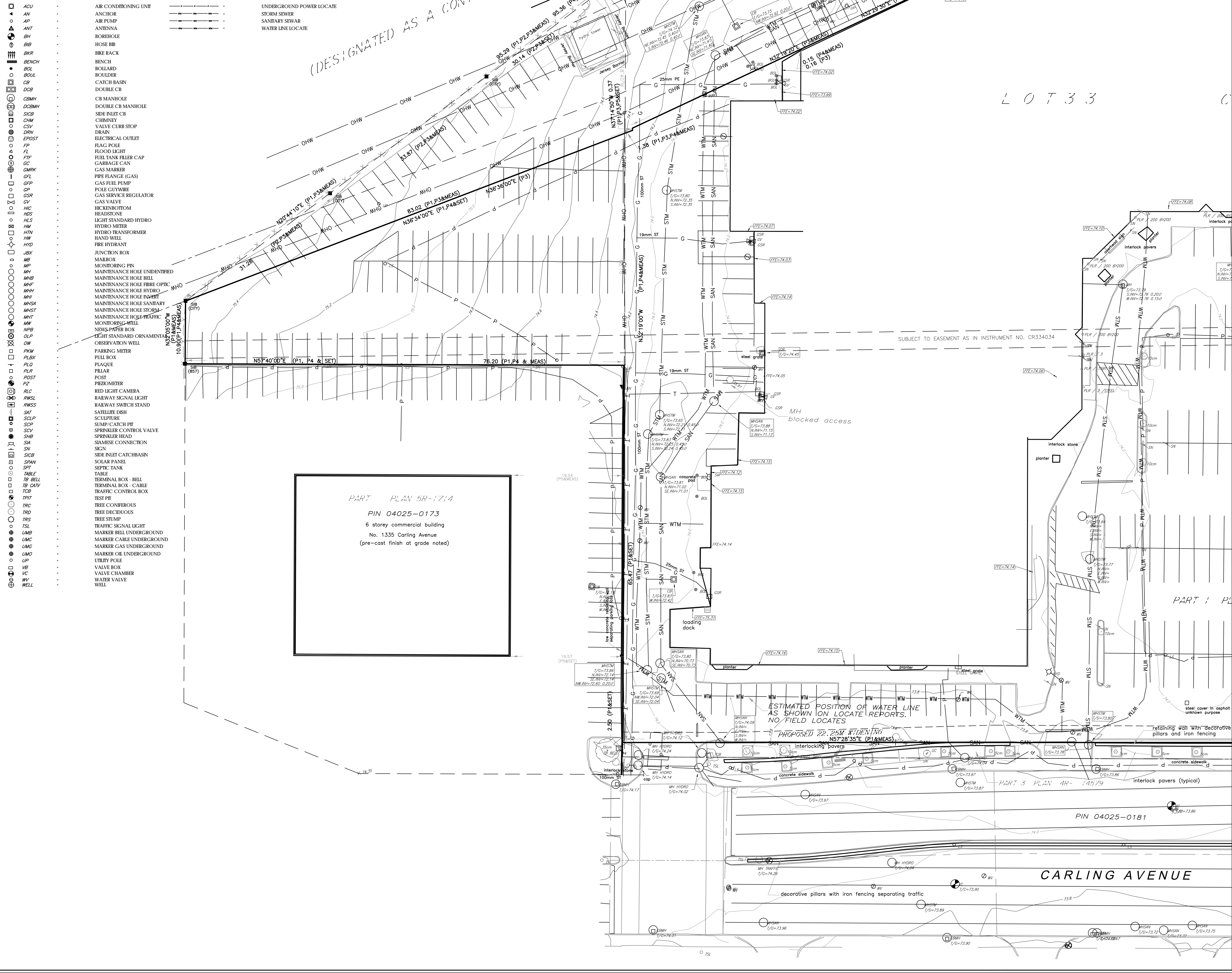
LEGEND

■	DENOTES	FOUND MONUMENTS
□		SET MONUMENTS
IB	"	IRON BAR
RB	"	ROUND IRON BAR
SB	"	STANDARD IRON BAR
SSB	"	SHORT STANDARD IRON BAR
CC	"	CUT CROSS
CP	"	CONCRETE PIN
BM	"	BENCHMARK
CM	"	CONCRETE MONUMENT
HC	"	HORIZONTAL CONTROL MONUMENT
NW	"	NAIL AND WASHER
PK	"	PK NAIL
VCM	"	VERTICAL CONTROL MONUMENT
WT	"	WITNESS
FIN	"	PROPERTY IDENTIFICATION NUMBER
MEAS	"	MEASURED
PROP	"	PROPORTIONED
CU	"	UNKNOWN
SG	"	STANTEC GEOMATICS LTD.
P1	"	PLAN 5R 14579
P2	"	PLAN 4R 20932
P3	"	PLAN 4R 23434
P4	"	PLAN OF SURVEY BY FAIRHALL MOPETT WOODLAND CO.

NOTES

UNDERGROUND UTILITY LOCATES PROVIDED BY USL-1 UNDERGROUND SERVICE LOCATORS. THE POSITION OF UNDERGROUND UTILITIES, AS REPRESENTED BY THE USL-1 LOCATES, ARE APPROXIMATE. SEWER LINES ARE SHOWN AS DIRECT CONNECTION FROM CENTRE OF MANHOLE TO CENTRE OF MANHOLE AND DOES NOT TAKE INTO ACCOUNT OFFSET MANHOLE CHAMBERS, IF IN EXISTENCE.

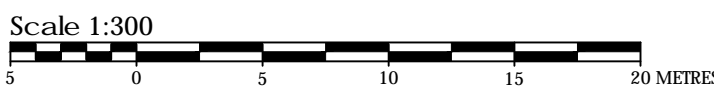
THE END USER IS RESPONSIBLE FOR OBTAINING LOCATES PRIOR TO BREAKING GROUND.



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TOPOGRAPHIC PLAN of
PART OF LOT 33
CONCESSION 1 (OTTAWA FRONT)
(GEOGRAPHIC TOWNSHIP OF NEPEAN
CITY OF OTTAWA



METRIC CONVERSION

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

BEARING NOTE

BEARINGS ARE GRID BEARINGS DERIVED FROM THE CAN-NET VRS NETWORK AND ARE REFERRED TO THE CENTRAL MERIDIAN 76°30' WEST LONGITUDE MTM ONTARIO COORDINATES SYSTEM, NAD83 [ORIGINAL] ZONE 9.

DISTANCES ON THIS PLAN MAY BE CONVERTED TO GROUND DISTANCES BY DIVIDING BY
COMBINED SCALE FACTOR OF 0.9999363.

VERTICAL DATUM NOTE

ELEVATIONS ARE OF GEODETIC ORIGIN AND ARE DERIVED FROM CONTROL MONUMENT 0191968031 HAVING AN ELEVATION OF 83.636.

LEGEND

□	DENOTES	FOUND MONUMENTS
□		SET MONUMENTS
IB		IRON BAR
4B		ROUND IRON BAR
SSB		STANDARD IRON BAR
SSB		SHORT STANDARD IRON BAR
CC		CUT CROSS
CP		CONCRETE PIN
BM		BENCHMARK
CM		CONCRETE MONUMENT
△HCM		HORIZONTAL CONTROL MONUMENT
○ NW		NAIL AND WASHER
○ PN		PIN NAIL
▽ VCM		VERTICAL CONTROL MONUMENT
WIT		WITNESS
PN		PROPERTY IDENTIFICATION NUMBER
MEAS		MEASURED
PROCP		PROPOSED/KNOWN
GU		ORIGIN UNKNOWN
SG		STANTEC GEOMATICS LTD.
P1		PLAN SR-14579
P2		PLAN AR-20932
P3		PLAN AR-23434
P4		PLAN ON SURVEY BY FARHALL MOFFETT WOODLAND OIL
		DATED JANUARY 6, 1987

NOTES

UNDERGROUND UTILITY LOCATES PROVIDED BY USL-1 UNDERGROUND SERVICE LOCATORS, THE POSITION OF UNDERGROUND UTILITIES, AS REPRESENTED BY THE USL-LOCATES, ARE APPROXIMATE. SEWER LINES ARE SHOWN AS DIRECT CONNECTION FROM CENTRE OF MANHOLE TO CENTRE OF MANHOLE AND DOES NOT TAKE INTO ACCOUNT OFFSET MANHOLE CHAMBERS, IF IN EXISTENCE.

THE END USER IS RESPONSIBLE FOR OBTAINING LOCATES PRIOR TO BREAKING GROUND



APPENDIX B

EcoLog ERIS Report

DATABASE REPORT



Project Property:

1522569 17000
1255 Carling Avenue
Ottawa ON

P.O. Number

Report Type:

Quote - Custom-Build Your Own Report

Order #:

20150729034

Requested by:

Golder Associates Ltd.

Date:

August 4, 2015

Ecolog ERIS Ltd.

Environmental Risk Information
Service Ltd. (ERIS)
A division of Glacier Media Inc.
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Executive Summary

Property Information:

Project Property: 1522569 17000
1255 Carling Avenue Ottawa ON

P.O. Number:

Order Information:

Order No.: 20150729034
Date Requested: 05/08/2015
Requested by: Golder Associates Ltd.
Report Type: Quote - Custom-Build Your Own Report

Additional Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	48	48
CA	Certificates of Approval	Y	0	7	7
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	8	8
EIIS	Environmental Issues Inventory System	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	18	26	44
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	6	0	6
PINC	TSSA Pipeline Incidents	Y	0	6	6
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	6	6
SPL	Ontario Spills	Y	1	7	8
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	10	10
Total:			25	120	145

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	GEN	Riocan Management	1309 Carling Ave Ottawa ON	-/0.0	72.00	25
1	GEN	Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON	-/0.0	72.00	25
1	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON	-/0.0	72.00	25
1	GEN	Riocan Management	1309 Carling Ave Ottawa ON	-/0.0	72.00	25
1	GEN	Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON	-/0.0	72.00	26
5	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	26
5	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	27
5	GEN	Riocan REIT	1309 Carling Ave Ottawa ON	-/0.0	74.00	27
5	GEN	R. WHITE (SEE & USE ON2588408)	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	-/0.0	74.00	28
5	GEN	SHOPPERS DRUG MART	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	-/0.0	74.00	28
5	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	28
5	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	28
5	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	29
5	GEN	Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	29
5	GEN	RIOCAN HOLDINGS INC	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	-/0.0	74.00	29
5	GEN	riocan management	1309 carling ave ottawa ON K1Z 7L3	-/0.0	74.00	29
5	GEN	Narmin Jalaldin Drugs Mart Limited	1309 Carling Avenue Ottawa ON K1Z 7L3	-/0.0	74.00	30

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
<u>5</u>	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	-/0.0	74.00	<u>30</u>
<u>5</u>	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	-/0.0	74.00	<u>30</u>
<u>5</u>	PES	WESTGATE HOME HARDWARE	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	-/0.0	74.00	<u>30</u>
<u>5</u>	PES	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	-/0.0	74.00	<u>30</u>
<u>5</u>	SPL	GROCERY STORE	AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	-/0.0	74.00	<u>31</u>
<u>6</u>	GEN	Your Independant Grocer	1321 Carling Avenue Ottawa ON	-/0.0	72.00	<u>31</u>
<u>6</u>	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE OTTAWA ON K1Z 7L3	-/0.0	72.00	<u>31</u>
<u>6</u>	PES	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	-/0.0	72.00	<u>31</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
2	BORE		ON	SSE/2.9	74.32	31
3	BORE		ON	S/0.7	72.30	32
4	BORE		ON	S/4.8	72.46	33
7	BORE		ON	NW/49.1	75.00	33
8	BORE		ON	SSE/38.5	74.49	34
9	GEN	Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	SE/39.7	75.00	35
9	GEN	Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	SE/39.7	75.00	35
10	SPL	ONTARIO HYDRO	CARLING & MERIVALE STREETS CAPACITOR OTTAWA CITY ON	E/11.9	75.00	36
11	BORE		ON	SSW/3.5	72.98	36
12	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON	S/41.9	73.00	37
12	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	S/41.9	73.00	37
12	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	S/41.9	73.00	37
12	GEN	Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	S/41.9	73.00	37
13	CA	ONTARIO HYDRO (OTTAWA-CARLING T.S.)	1275 CARLING AVENUE OTTAWA CITY ON	NE/44.0	72.80	37
14	EHS		1335 Carling Ave. Ottawa ON K1Z 8N8	SW/21.4	73.40	38
14	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	SW/21.4	73.39	38

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
14	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	SW/21.4	73.39	38
14	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	SW/21.4	73.39	38
14	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	SW/21.4	73.39	39
14	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	SW/21.4	73.40	39
14	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	SW/21.4	73.40	39
14	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	SW/21.4	73.40	39
14	GEN	Milident Inc.	550-1335 Carling Avenue Ottawa ON K1Z 8N8	SW/21.4	73.40	40
14	SCT	A. Zachary Dental Laboratory	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	SW/21.4	73.40	40
14	SCT	Echo Dental Lab Ltd.	1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	SW/21.4	73.40	40
14	SCT	Zachary A Dental Lab Ltd.	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	SW/21.4	73.40	40
15	BORE		ON	SSW/17.2	73.00	41
16	GEN	Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON	SW/30.8	73.12	41
16	GEN	165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON	SW/30.8	73.12	42
16	GEN	Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON	SW/30.8	73.12	42
17	GEN	Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	SSE/90.3	74.44	42
17	GEN	Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	SSE/90.3	74.44	42
17	SCT	Thermal Insulation Association	1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	SSE/90.3	74.43	43
17	SCT	EVERT COMMUNICATIONS LIMITED	1296 CARLING AVE OTTAWA ON K1Z 7K8	SSE/90.3	74.44	43
18	BORE		ON	NW/110.0	74.66	43

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
19	CA	Triole Investments Limited	1316 Carling Avenue Ottawa ON K1Z 7L1	S/90.5	74.00	44
20	EHS		1274 Carling Ave Ottawa ON K1Z7K8	SE/93.8	75.00	44
21	BORE		ON	N/7.8	75.00	44
22	BORE		ON	WSW/59.9	76.75	45
23	CA	1117018 ONTARIO LIMITED	1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	SSW/59.5	73.00	46
23	EHS		1330 Carling Avenue Ottawa ON K1Z 7K8	SSW/59.5	73.00	46
24	EHS		1330 Carling Ave Ottawa ON K1Z7K8	SSW/61.4	73.00	46
25	BORE		ON	W/116.5	75.00	47
26	BORE		ON	N/23.6	75.05	47
27	CA	OTTAWA CITY	ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	SSW/61.5	73.89	48
28	SPL	Ottawa Greenbelt Construction Company Limited	Merivale Rd. & Hwy. 417 Ottawa ON	N/19.5	75.55	49
29	BORE		ON	N/43.2	75.00	49
30	BORE		ON	N/20.5	75.00	50
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	E/98.6	75.09	51
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	E/98.6	75.09	51
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	E/98.6	75.09	52
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	E/98.6	75.09	52
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON K1Z 8N3	E/98.6	75.09	53
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON K1Z 8N3	E/98.6	75.09	54

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
31	GEN	Hydro Ottawa ltd	1245 Carling Ave Ottawa ON K1Z 8N3	E/98.6	75.09	54
31	SPL	ONTARIO HYDRO	TRANSFORMER STATION AT 1245 CARLING AVE. TRANSFORMER OTTAWA CITY ON K1Z 8N3	E/98.6	75.09	55
32	BORE		ON	N/27.9	75.70	55
33	WWIS		Ottawa ON	S/92.0	73.00	56
34	BORE		ON	NNW/77.2	74.98	57
35	BORE		ON	SSW/78.3	74.17	57
36	BORE		ON	N/48.1	75.00	58
37	BORE		ON	NNW/74.9	74.91	59
38	EHS		Holland Avenue Between Scott Street And 40 M South Of Tyndall Avenue Ottawa ON	NE/122.3	75.00	59
39	PINC		823 Merivale Road, Ottawa ON	ESE/124.2	76.00	60
40	BORE		ON	SW/78.7	74.73	60
41	BORE		ON	S/123.3	73.00	61
41	WWIS		ON	S/123.3	73.00	62
42	WWIS		lot 1 con A ON	SSE/186.7	75.00	62
43	CA	OTTAWA CITY - LEASIDE AVE./WOODWARD DR.	MERIVALE RD./THAMES ST. OTTAWA CITY ON	SE/185.6	75.45	62
44	BORE		ON	N/83.4	75.46	63
45	WWIS		ON	S/145.2	73.85	63
46	BORE		ON	SSW/133.9	74.01	64
46	WWIS		lot 28 con 2 ON	SSW/133.9	74.01	64

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
<u>47</u>	EHS		858, 864-868 Merivale, 1246 Thames Ottawa ON	SE/201.1	75.00	<u>65</u>
<u>48</u>	PINC		858 Merivale Road, Ottawa ON	SSE/207.0	75.00	<u>65</u>
<u>49</u>	BORE		ON	WSW/122.2	78.33	<u>66</u>
<u>50</u>	BORE		ON	N/92.6	75.26	<u>66</u>
<u>51</u>	WWIS		ON	SSE/215.8	75.00	<u>67</u>
<u>51</u>	WWIS		ON	SSE/215.8	75.00	<u>67</u>
<u>52</u>	PINC		853 Merivale Road, Ottawa ON	SE/214.0	75.13	<u>68</u>
<u>53</u>	BORE		ON	SW/106.1	78.50	<u>68</u>
<u>54</u>	PINC		1262 Thames Street, Ottawa ON	SSE/212.4	75.00	<u>69</u>
<u>55</u>	PINC		1270 Thames Street, Ottawa ON	S/207.7	75.00	<u>70</u>
<u>56</u>	BORE		ON	NNE/124.0	75.00	<u>71</u>
<u>57</u>	BORE		ON	SW/122.3	78.38	<u>71</u>
<u>58</u>	BORE		ON	N/127.9	75.00	<u>72</u>
<u>59</u>	BORE		ON	N/130.5	74.87	<u>73</u>
<u>60</u>	INC		1199 CARLING AVENUE, OTTAWA ON K1Z 8N3	ENE/214.6	79.00	<u>74</u>
<u>61</u>	BORE		ON	N/141.2	75.00	<u>75</u>
<u>62</u>	PINC		1282 Thames Street, Ottawa ON	S/212.1	75.00	<u>75</u>
<u>63</u>	BORE		ON	WSW/142.9	80.00	<u>76</u>
<u>64</u>	BORE		ON	NNE/150.2	74.75	<u>77</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
<u>65</u>	BORE		ON	NNE/155.5	74.00	<u>78</u>
<u>66</u>	WWIS		lot 33 con 1 ON	SW/158.5	75.00	<u>79</u>
<u>67</u>	SPL	PRIVATE OWNER	197 CERAR AVE FURNACE OIL TANK OTTAWA CITY ON	SE/240.9	76.00	<u>79</u>
<u>68</u>	SPL	PRIVATE OWNER	IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	S/207.7	74.58	<u>80</u>
<u>69</u>	BORE		ON	N/151.3	74.44	<u>80</u>
<u>70</u>	BORE		ON	NNE/161.9	74.89	<u>80</u>
<u>71</u>	BORE		ON	WSW/157.8	80.00	<u>81</u>
<u>72</u>	SPL	TRANSPORT TRUCK	1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	SSW/183.6	74.00	<u>82</u>
<u>73</u>	BORE		ON	NNE/167.7	74.96	<u>83</u>
<u>74</u>	BORE		ON	SW/165.5	75.00	<u>84</u>
<u>75</u>	BORE		ON	N/174.1	73.16	<u>84</u>
<u>76</u>	BORE		ON	SW/181.0	76.12	<u>85</u>
<u>77</u>	BORE		ON	NNE/193.8	74.97	<u>86</u>
<u>78</u>	BORE		ON	N/188.5	72.49	<u>87</u>
<u>79</u>	EHS		1308 Thames Ottawa ON	S/241.6	74.32	<u>87</u>
<u>80</u>	WWIS		ON	WSW/207.4	78.72	<u>88</u>
<u>81</u>	SCT	Custom Plastics Inc.	1325 Thames St Ottawa ON K1Z 7N2	SSW/244.1	73.24	<u>88</u>
<u>82</u>	BORE		ON	NNE/242.2	75.76	<u>88</u>
<u>83</u>	BORE		ON	N/212.6	74.10	<u>89</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist m	Elev diff m	Page Number
<u>84</u>	BORE		ON	NNE/248.6	75.04	<u>90</u>
<u>85</u>	BORE		ON	WSW/234.3	79.00	<u>90</u>
<u>85</u>	WWIS		ON	WSW/234.3	79.00	<u>91</u>
<u>86</u>	HINC		611 ISLAND PARK CRESCENT OTTAWA ON K1Y 3P4	N/228.7	70.00	<u>91</u>
<u>87</u>	BORE		ON	NNE/233.8	75.81	<u>92</u>
<u>88</u>	SPL		1395 Carling Ave, Nepean PETRO CANADA GAS STATION # 0056A<UNOFFICIAL> Ottawa ON K1Z 7L6	WSW/230.7	79.00	<u>92</u>
<u>89</u>	CA	DEVAN PROPERTIES LIMITED	1377-1427 CARLING AVE., SWM OTTAWA ON K1Z 7L6	WSW/240.4	79.00	<u>93</u>
<u>89</u>	CA	DEVAN PROPERTIES LIMITED	1377-1427 CARLING AVENUE, SWM OTTAWA CITY ON K1Z 7L6	WSW/240.4	79.00	<u>93</u>
<u>89</u>	EHS		1377-1427 Carling Avenue Ottawa ON K1Z 7L6	WSW/240.4	79.00	<u>93</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 48 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
ON		2.9	<u>2</u>
ON		0.7	<u>3</u>
ON		4.8	<u>4</u>
ON		49.1	<u>7</u>
ON		38.5	<u>8</u>
ON		3.5	<u>11</u>
ON		17.2	<u>15</u>
ON		110.0	<u>18</u>
ON		7.8	<u>21</u>
ON		59.9	<u>22</u>
ON		116.5	<u>25</u>
ON		23.6	<u>26</u>
ON		43.2	<u>29</u>
ON		20.5	<u>30</u>
ON		27.9	<u>32</u>
ON		77.2	<u>34</u>
ON		78.3	<u>35</u>
ON		48.1	<u>36</u>
ON		74.9	<u>37</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	78.7	<u>40</u>
	ON	123.3	<u>41</u>
	ON	83.4	<u>44</u>
	ON	133.9	<u>46</u>
	ON	122.2	<u>49</u>
	ON	92.6	<u>50</u>
	ON	106.1	<u>53</u>
	ON	124.0	<u>56</u>
	ON	122.3	<u>57</u>
	ON	127.9	<u>58</u>
	ON	130.5	<u>59</u>
	ON	141.2	<u>61</u>
	ON	142.9	<u>63</u>
	ON	150.2	<u>64</u>
	ON	155.5	<u>65</u>
	ON	151.3	<u>69</u>
	ON	161.9	<u>70</u>
	ON	157.8	<u>71</u>
	ON	167.7	<u>73</u>
	ON	165.5	<u>74</u>
	ON	174.1	<u>75</u>
	ON	181.0	<u>76</u>
	ON	193.8	<u>77</u>
	ON	188.5	<u>78</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	242.2	<u>82</u>
	ON	212.6	<u>83</u>
	ON	248.6	<u>84</u>
	ON	234.3	<u>85</u>
	ON	233.8	<u>87</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 7 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
ONTARIO HYDRO (OTTAWA-CARLING T.S.)	1275 CARLING AVENUE OTTAWA CITY ON	44.0	<u>13</u>
Triole Investments Limited	1316 Carling Avenue Ottawa ON K1Z 7L1	90.5	<u>19</u>
1117018 ONTARIO LIMITED	1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	59.5	<u>23</u>
OTTAWA CITY	ARCHIBALD ST./CARLING AVE. OTTAWA CITY ON	61.5	<u>27</u>
OTTAWA CITY - LEASIDE AVE./WOODWARD DR.	MERIVALE RD./THAMES ST. OTTAWA CITY ON	185.6	<u>43</u>
DEVAN PROPERTIES LIMITED	1377-1427 CARLING AVENUE, SWM OTTAWA CITY ON K1Z 7L6	240.4	<u>89</u>
DEVAN PROPERTIES LIMITED	1377-1427 CARLING AVE., SWM OTTAWA ON K1Z 7L6	240.4	<u>89</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2014 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	1335 Carling Ave. Ottawa ON K1Z 8N8	21.4	<u>14</u>
	1274 Carling Ave Ottawa ON K1Z7K8	93.8	<u>20</u>
	1330 Carling Avenue Ottawa ON K1Z 7K8	59.5	<u>23</u>
	1330 Carling Ave Ottawa ON K1Z7K8	61.4	<u>24</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	Holland Avenue Between Scott Street And 40 M South Of Tyndall Avenue Ottawa ON	122.3	<u>38</u>
	858, 864-868 Merivale, 1246 Thames Ottawa ON	201.1	<u>47</u>
	1308 Thames Ottawa ON	241.6	<u>79</u>
	1377-1427 Carling Avenue Ottawa ON K1Z 7L6	240.4	<u>89</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-May 2015 has found that there are 44 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Riocan Management	1309 Carling Ave Ottawa ON	0.0	<u>1</u>
Narmin Jalaldin Drugs Ltd.	1309 CARLING AVE Ottawa ON	0.0	<u>1</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON	0.0	<u>1</u>
Riocan Management	1309 Carling Ave Ottawa ON	0.0	<u>1</u>
Westgate Dental Partnership, 1041255 Ontario Inc.	6-1309 Carling Avenue Ottawa ON	0.0	<u>1</u>
Riocan REIT	1309 Carling Ave Ottawa ON	0.0	<u>5</u>
R. WHITE (SEE & USE ON2588408)	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	0.0	<u>5</u>
SHOPPERS DRUG MART	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	0.0	<u>5</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>
RIOCAN HOLDINGS INC	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	0.0	<u>5</u>
riocan management	1309 carling ave ottawa ON K1Z 7L3	0.0	<u>5</u>
Narmin Jalaldin Drugs Mart Limited	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>

Site	Address	Distance m	Map Key
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>
Appletree Medical Management Group Inc.	1309 Carling Avenue Ottawa ON K1Z 7L3	0.0	<u>5</u>
Your Independant Grocer	1321 Carling Avenue Ottawa ON	0.0	<u>6</u>
Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	39.7	<u>9</u>
Macies Hotel Ltd.	1274 Carling Ave. Ottawa ON K1Z 7K8	39.7	<u>9</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON	41.9	<u>12</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	41.9	<u>12</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	41.9	<u>12</u>
Ontario Addiction Treatment Centre	1318 Carling Avenue Ottawa ON K1Z 7K8	41.9	<u>12</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	21.4	<u>14</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	21.4	<u>14</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	21.4	<u>14</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	21.4	<u>14</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	21.4	<u>14</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	21.4	<u>14</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON K1Z 8N8	21.4	<u>14</u>
Milident Inc.	550-1335 Carling Avenue Ottawa ON K1Z 8N8	21.4	<u>14</u>
Dr T Harle & Dr J Paul	1335 carling ave suite 414 ottawa ON	30.8	<u>16</u>
165279 Canada Inc	1335 Carling Ave Suite 600 Ottawa ON	30.8	<u>16</u>
Sports and Spinal Injury Clinic	1335 Carling Ave., Suite 602 Ottawa ON	30.8	<u>16</u>
Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	90.3	<u>17</u>
Carlingwood Clinico Leasing Ltd.	1296 Carling Avenue Ottawa ON K1Z 7K8	90.3	<u>17</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	98.6	<u>31</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	98.6	<u>31</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	98.6	<u>31</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON	98.6	<u>31</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON K1Z 8N3	98.6	<u>31</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON K1Z 8N3	98.6	<u>31</u>
Hydro Ottawa ltd	1245 Carling Ave Ottawa ON K1Z 8N3	98.6	<u>31</u>

HINC - TSSA Historic Incidents

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

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	611 ISLAND PARK CRESCENT OTTAWA ON K1Y 3P4	228.7	<u>86</u>

INC - TSSA Incidents

A search of the INC database, dated June 2009-2014 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	1199 CARLING AVENUE, OTTAWA ON K1Z 8N3	214.6	<u>60</u>

PES - Pesticide Register

A search of the PES database, dated 1988-Jun 2013 has found that there are 6 PES site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	0.0	<u>5</u>
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	0.0	<u>5</u>
SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE)	1309 CARLING AVE OTTAWA ON K1Z 7L3	0.0	<u>5</u>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
WESTGATE HOME HARDWARE	1309 CARLING AVENUE OTTAWA ON K1Z 7L3	0.0	<u>5</u>
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	0.0	<u>6</u>
NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER	1321 CARLING AVE OTTAWA ON K1Z 7L3	0.0	<u>6</u>

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated June 2009-2014 has found that there are 6 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	823 Merivale Road, Ottawa ON	124.2	<u>39</u>
	858 Merivale Road, Ottawa ON	207.0	<u>48</u>
	853 Merivale Road, Ottawa ON	214.0	<u>52</u>
	1262 Thames Street, Ottawa ON	212.4	<u>54</u>
	1270 Thames Street, Ottawa ON	207.7	<u>55</u>
	1282 Thames Street, Ottawa ON	212.1	<u>62</u>

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>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Echo Dental Lab Ltd.	1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	21.4	<u>14</u>
A. Zachary Dental Laboratory	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	21.4	<u>14</u>
Zachary A Dental Lab Ltd.	1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	21.4	<u>14</u>
EVERT COMMUNICATIONS LIMITED	1296 CARLING AVE OTTAWA ON K1Z 7K8	90.3	<u>17</u>
Thermal Insulation Association	1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	90.3	<u>17</u>
Custom Plastics Inc.	1325 Thames St Ottawa ON K1Z 7N2	244.1	<u>81</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2014 has found that there are 8 SPL site(s) within approximately 0.25 kilometers of the project property.

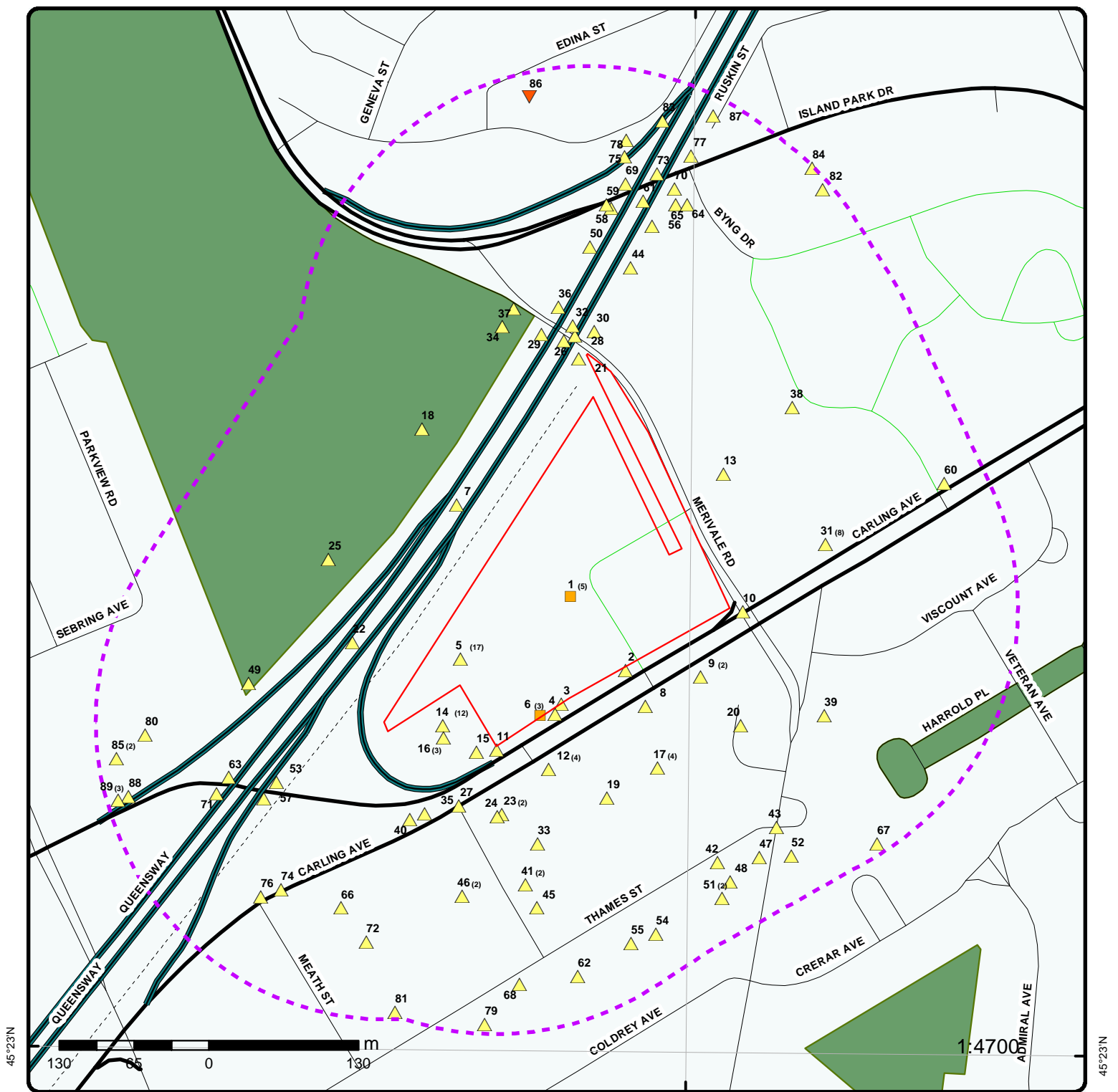
<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
GROCERY STORE	AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	0.0	<u>5</u>
ONTARIO HYDRO	CARLING & MERIVALE STREETS CAPACITOR OTTAWA CITY ON	11.9	<u>10</u>
Ottawa Greenbelt Construction Company Limited	Merivale Rd. & Hwy. 417 Ottawa ON	19.5	<u>28</u>
ONTARIO HYDRO	TRANSFORMER STATION AT 1245 CARLING AVE. TRANSFORMER OTTAWA CITY ON K1Z 8N3	98.6	<u>31</u>
PRIVATE OWNER	197 CERAR AVE FURNACE OIL TANK OTTAWA CITY ON	240.9	<u>67</u>
PRIVATE OWNER	IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	207.7	<u>68</u>
TRANSPORT TRUCK	1376 CARLING AVE. TRANSPORT TRUCK (CARGO) OTTAWA CITY ON K1Z 7L5	183.6	<u>72</u>
	1395 Carling Ave, Nepean PETRO CANADA GAS STATION # 0056A<UNOFFICIAL> Ottawa ON K1Z 7L6	230.7	<u>88</u>

WWIS - Water Well Information System

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	Ottawa ON	92.0	<u>33</u>
	ON	123.3	<u>41</u>
	lot I con A ON	186.7	<u>42</u>
	ON	145.2	<u>45</u>
	lot 28 con 2 ON	133.9	<u>46</u>
	ON	215.8	<u>51</u>
	ON	215.8	<u>51</u>
	lot 33 con 1 ON	158.5	<u>66</u>

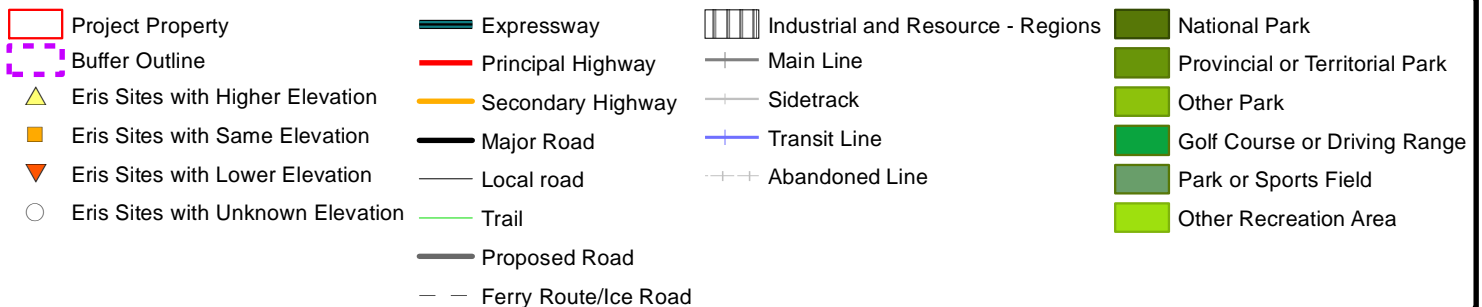
<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	207.4	<u>80</u>
	ON	234.3	<u>85</u>

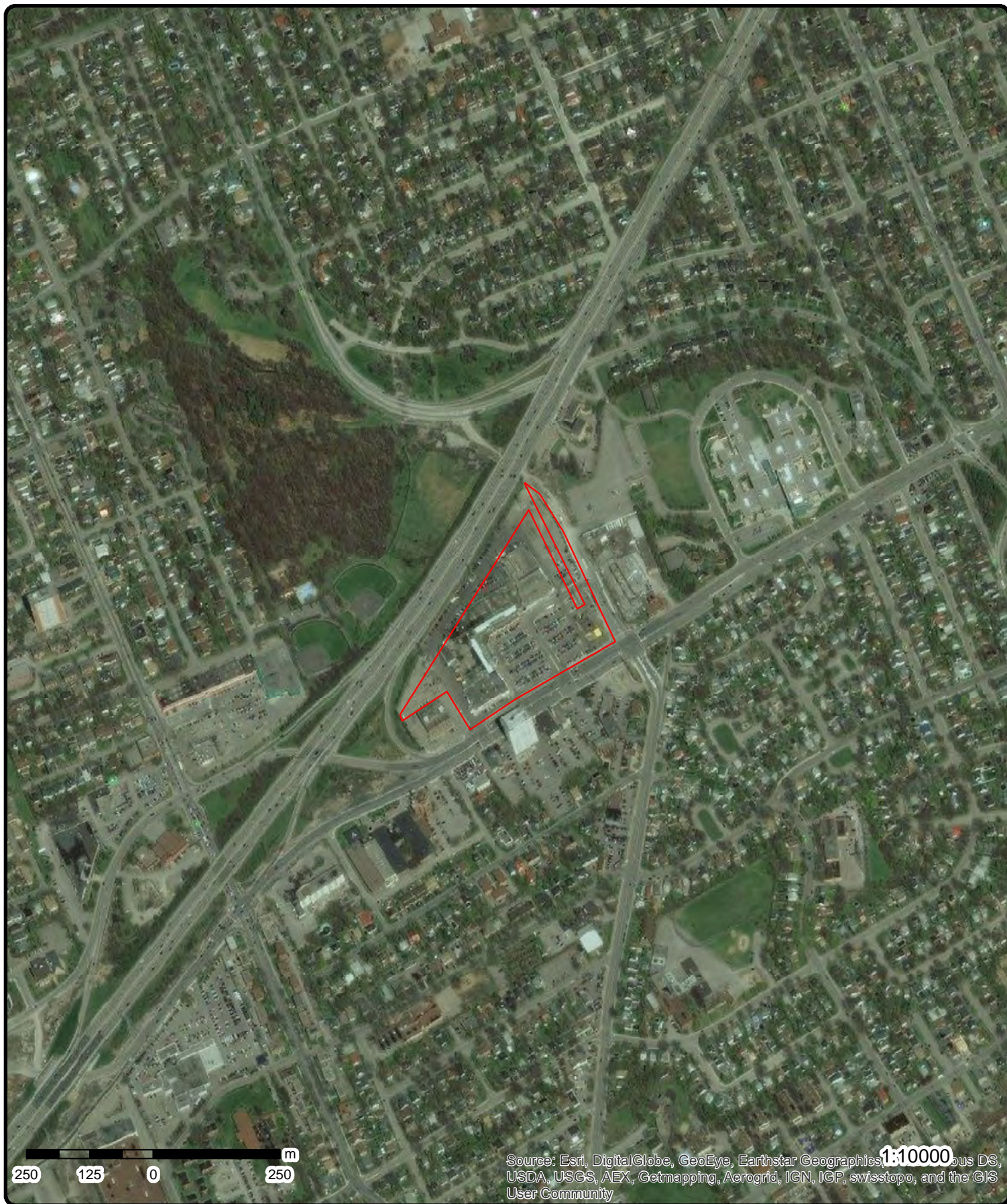


Map

Order No: 20150729034

Address: 1255 Carling Avenue, Ottawa, ON





Aerial

Order No: 20150729034

Address: 1255 Carling Avenue, Ottawa, ON

Source: ESRI World Imagery, Updated October 2014

© Ecolog ERIS Ltd

Detail Report

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
1	1 of 5	-/0.0	72.0	Riocan Management 1309 Carling Ave Ottawa ON	GEN
Generator #:		ON9277081			
Approval Yrs:		2012			
SIC Code:		531120			
SIC Description:		Lessors of Non-Residential Buildings (except Mini-Warehouses)			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
1	2 of 5	-/0.0	72.0	Narmin Jalaldin Drugs Ltd. 1309 CARLING AVE Ottawa ON	GEN
Generator #:		ON8867865			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		261			
Waste Description:		Pharmaceuticals			
1	3 of 5	-/0.0	72.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON	GEN
Generator #:		ON9362784			
Approval Yrs:		2013			
SIC Code:		622111			
SIC Description:		GENERAL (EXCEPT PAEDIATRIC) HOSPITALS			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
1	4 of 5	-/0.0	72.0	Riocan Management 1309 Carling Ave Ottawa ON	GEN
Generator #:		ON9277081			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Approval Yrs: SIC Code: SIC Description:		2013 531120, 531310 LESSORS OF NON-RESIDENTIAL BUILDINGS (EXCEPT MINI-WAREHOUSES), REAL ESTATE PROPERTY MANAGERS			
--- Details ---					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		242			
Waste Description:		HALOGENATED PESTICIDES			
+					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
1	5 of 5	-/0.0	72.0	Westgate Dental Partnership, 1041255 Ontario Inc. 6-1309 Carling Avenue Ottawa ON	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON4526295 As of May 2015			
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
5	1 of 17	-/0.0	74.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON9362784 2010 622111 General (except Paediatric) Hospitals			
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code: Waste Description: + Waste Code: Waste Description:		261 PHARMACEUTICALS 312 PATHOLOGICAL WASTES			
<u>5</u>	2 of 17	-/0.0	74.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON9362784 2011 622111 General (except Paediatric) Hospitals			
--- Details --- Waste Code: Waste Description: + Waste Code: Waste Description:		312 PATHOLOGICAL WASTES 261 PHARMACEUTICALS			
<u>5</u>	3 of 17	-/0.0	74.0	Riocan REIT 1309 Carling Ave Ottawa ON	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON9277081 As of May 2015			
--- Details --- Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description:		221 Light fuels 112 Acid solutions - containing heavy metals 252 Waste crankcase oils and lubricants 213 Petroleum distillates 331 Waste compressed gases including cylinders 242 Halogenated pesticides and herbicides 251 Waste oils/sludges (petroleum based) 122 Alkaline slutions - containing other metals and non-metals (not cyanide) 145 Wastes from the use of pigments, coatings and paints 263			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		Misc. waste organic chemicals			
5	4 of 17	-/0.0	74.0	R. WHITE (SEE & USE ON2588408) 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator #:		ON2572800			
Approval Yrs:		00,01			
SIC Code:		6031			
SIC Description:		PHARMACIES			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
5	5 of 17	-/0.0	74.0	SHOPPERS DRUG MART 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
Generator #:		ON2588408			
Approval Yrs:		00,01			
SIC Code:		6031			
SIC Description:		PHARMACIES			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
5	6 of 17	-/0.0	74.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator #:		ON9362784			
Approval Yrs:		2012			
SIC Code:		622111			
SIC Description:		General (except Paediatric) Hospitals			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
5	7 of 17	-/0.0	74.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator #:		ON9362784			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<div> <div>--- Details ---</div> <div> Waste Code: 261 Waste Description: Pharmaceuticals + Waste Code: 312 Waste Description: Pathological wastes </div> </div>					
5	8 of 17	-/0.0	74.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
<div> Generator #: ON9362784 Approval Yrs: 2009 SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals <div> <div>--- Details ---</div> <div> Waste Code: 261 Waste Description: PHARMACEUTICALS + Waste Code: 312 Waste Description: PATHOLOGICAL WASTES </div> </div> </div>					
5	9 of 17	-/0.0	74.0	Appletree Medical Management Group Inc. 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
<div> Generator #: ON9362784 Approval Yrs: 06,07,08 SIC Code: 622111 SIC Description: General (except Paediatric) Hospitals <div> <div>--- Details ---</div> <div> Waste Code: 261 Waste Description: PHARMACEUTICALS + Waste Code: 312 Waste Description: PATHOLOGICAL WASTES </div> </div> </div>					
5	10 of 17	-/0.0	74.0	RIOCAN HOLDINGS INC 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	GEN
<div> Generator #: ON6325224 Approval Yrs: 05 SIC Code: 531310 SIC Description: Real Estate Property Managers <div> <div>--- Details ---</div> <div> Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES </div> </div> </div>					
5	11 of 17	-/0.0	74.0	riocan management 1309 carling ave	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
ottawa ON K1Z 7L3					
Generator #:	ON9277081				
Approval Yrs:	2010				
SIC Code:	531120				
SIC Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)				
--- Details ---					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
5	12 of 17	-/0.0	74.0	Narmin Jalaldin Drugs Mart Limited 1309 Carling Avenue Ottawa ON K1Z 7L3	GEN
Generator #:	ON8397469				
Approval Yrs:	2011				
SIC Code:	446110, 446120				
SIC Description:					
5	13 of 17	-/0.0	74.0	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z 7L3	PES
Licence No.:					
Licence Type:	Vendor				
5	14 of 17	-/0.0	74.0	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z 7L3	PES
Licence No.:	23-01-13127-0				
Licence Type:	LIMITED				
5	15 of 17	-/0.0	74.0	WESTGATE HOME HARDWARE 1309 CARLING AVENUE OTTAWA ON K1Z 7L3	PES
Licence No.:					
Licence Type:	Vendor				
5	16 of 17	-/0.0	74.0	SHOPPERS DRUG MART #0628 (WESTGATE SHOPPING CENTRE) 1309 CARLING AVE OTTAWA ON K1Z 7L3	PES
Licence No.:					
Licence Type:	Limited Vendor				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
5	17 of 17	-/0.0	74.0	GROCERY STORE AT THE INDEPENDENT GROCERY STORE AT 1309 CARLING RD. OTTAWA CITY ON K1Z 7L3	SPL
Ref No.: 73317 Incident Dt: 7/10/1992 MOE Reported Dt: 7/10/1992 Contaminant Name: Contaminant Quantity: Incident Summary: INDEPENDENT GROCERY STORE- UNKNOWN LIQUID TO LAND FROM STORE'S BASEMENT. Incident Cause: UNKNOWN Incident Reason: UNKNOWN Nature of Impact: Other Receiving Medium: LAND Environmental Impact: NOT ANTICIPATED					
6	1 of 3	-/0.0	72.0	Your Independant Grocer 1321 Carling Avenue Ottawa ON	GEN
Generator #: ON1308563 Approval Yrs: 03,04 SIC Code: SIC Description:					
6	2 of 3	-/0.0	72.0	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER 1321 CARLING AVE OTTAWA ON K1Z 7L3	PES
Licence No.: 23-01-12166-0 Licence Type: Limited Vendor					
6	3 of 3	-/0.0	72.0	NATIONAL GROCERS CO LTD O/A WESTGATE INDEP GROCER 1321 CARLING AVE(STORE CLOSED OCT 11/03) OTTAWA ON K1Z7L3	PES
Licence No.: Licence Type: Limited Vendor					
2	1 of 1	SSE/2.9	74.3	ON	BORE
Borehole ID: 801079 Use: Geotechnical/Geological Investigation Drill Method: Boring Easting: 442537.63 Location Accuracy: Elev. Reliability Note: Total Depth m: 24.6 Township: Lot: Type: Borehole Status: UTM Zone: 18 Northing: 5026128.24 Orig. Ground Elev m: 74.2 DEM Ground Elev m: 74.7 Primary Name: BH W31 Concession: Municipality:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Completion Date:	14-APR-1975			Static Water Level:	2.7
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566697			Top Depth(m):	4.3
Bottom Depth(m):	11.3			Stratum Desc:	Grey Compact Till sand silt With: Gr W Blds Trace: Cl
+					
Stratum ID:	218566698			Top Depth(m):	11.3
Bottom Depth(m):	19.3			Stratum Desc:	Grey Very Dense sand silt With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218566699			Top Depth(m):	19.3
Bottom Depth(m):	22.1			Stratum Desc:	Black Bedrock Shale fairly sound
+					
Stratum ID:	218566700			Top Depth(m):	22.1
Bottom Depth(m):	24.6			Stratum Desc:	Grey Bedrock Limestone sound, fine grained
+					
Stratum ID:	218566694			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
+					
Stratum ID:	218566695			Top Depth(m):	0.2
Bottom Depth(m):	2.9			Stratum Desc:	Brown Compact Fill-Misc Sand - Gravel With: Cob Trace: Si
+					
Stratum ID:	218566696			Top Depth(m):	2.9
Bottom Depth(m):	4.3			Stratum Desc:	Grey Firm Silty Clay

3	1 of 1	S/0.7	72.3	ON	BORE
Borehole ID:	801012			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Boring			UTM Zone:	18
Easting:	442481.68			Northing:	5026098.79
Location Accuracy:				Orig. Ground Elev m:	73.8
Elev. Reliability Note:				DEM Ground Elev m:	74.8
Total Depth m:	18			Primary Name:	BH W25
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	26-MAR-1975			Static Water Level:	5.2
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566385			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Asphalt
+					
Stratum ID:	218566386			Top Depth(m):	0.2
Bottom Depth(m):	2.9			Stratum Desc:	Brown Firm Fill-Misc Silty Clay With: Gr W Brk Frag W Constr Debris
+					
Stratum ID:	218566387			Top Depth(m):	2.9
Bottom Depth(m):	4.9			Stratum Desc:	Grey Firm to Stiff Silty Clay

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	218566388			Top Depth(m):	4.9
Bottom Depth(m):	6.7			Stratum Desc:	Grey Dense to Very Dense Till sand silt With: Cl W Gr
+					
Stratum ID:	218566389			Top Depth(m):	6.7
Bottom Depth(m):	13.7			Stratum Desc:	Grey Compact to Very Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218566390			Top Depth(m):	13.7
Bottom Depth(m):	15.2			Stratum Desc:	Grey Bedrock Limestone fractured, fine grained
+					
Stratum ID:	218566391			Top Depth(m):	15.2
Bottom Depth(m):	18.0			Stratum Desc:	Grey Bedrock Limestone

<u>4</u>	1 of 1	S/4.8	72.5	ON	BORE
Borehole ID:	848115			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442476			Northing:	5026090
Location Accuracy:				Orig. Ground Elev m:	76.7
Elev. Reliability Note:				DEM Ground Elev m:	74.8
Total Depth m:	18.4			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 33			Municipality:	
Completion Date:	03-APR-1975			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6560006			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6560007			Top Depth(m):	0.2
Bottom Depth(m):	1.4			Stratum Desc:	STIFF BROWN SILTY CLAY (WEATHERED CRUST)
+					
Stratum ID:	6560008			Top Depth(m):	1.4
Bottom Depth(m):	3.2			Stratum Desc:	VERY DENSE GREY BROWN SANDY SILT WITH GRAVEL AND BOULDERS (TILL)
+					
Stratum ID:	6560009			Top Depth(m):	3.2
Bottom Depth(m):	18.4			Stratum Desc:	FAIRLY SOUND TO SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, WITH THIN IRREGULAR SHALE BANDS, SOME DOLOMITE LAYERS

<u>7</u>	1 of 1	NW/49.1	75.0	ON	BORE
Borehole ID:	612952			Type:	Borehole
Use:				Status:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Drill Method:			UTM Zone:		18
Easting:			Northing:		5026272
Location Accuracy:			Orig. Ground Elev m:		74.5
Elev. Reliability Note:			DEM Ground Elev m:		76.7
Total Depth m:			Primary Name:		
Township:			Concession:		
Lot:			Municipality:		
Completion Date:			Static Water Level:		-999.9
Primary Water Use:			Sec. Water Use:		
--- Details ---					
Stratum ID:			Top Depth(m):		0.0
Bottom Depth(m):			Stratum Desc:		SOIL.
+					
Stratum ID:			Top Depth(m):		0.3
Bottom Depth(m):			Stratum Desc:		SAND. LOOSE.
+					
Stratum ID:			Top Depth(m):		0.8
Bottom Depth(m):			Stratum Desc:		CLAY. GREY,STIFF.
+					
Stratum ID:			Top Depth(m):		2.6
Bottom Depth(m):			Stratum Desc:		CLAY. SOFT.
+					
Stratum ID:			Top Depth(m):		6.2
Bottom Depth(m):			Stratum Desc:		SAND. GRADED.
+					
Stratum ID:			Top Depth(m):		6.4
Bottom Depth(m):			Stratum Desc:		CLAY. GREY,SOFT.
+					
Stratum ID:			Top Depth(m):		7.3
Bottom Depth(m):			Stratum Desc:		TILL. GREY,COMPACT. 00000010000100110005000800057015 00140019VERY DENSE. 00010 013 00025
<u>8</u>	1 of 1	SSE/38.5	74.5	ON	BORE
Borehole ID:			Type:		Borehole
Use:			Status:		
Drill Method:			UTM Zone:		18
Easting:			Northing:		5026096.93
Location Accuracy:			Orig. Ground Elev m:		74.1
Elev. Reliability Note:			DEM Ground Elev m:		74.3
Total Depth m:			Primary Name:		BH 76-1
Township:			Concession:		
Lot:			Municipality:		
Completion Date:			Static Water Level:		1.7
Primary Water Use:			Sec. Water Use:		
--- Details ---					
Stratum ID:			Top Depth(m):		0.0
Bottom Depth(m):			Stratum Desc:		Asphalt
+					
Stratum ID:			Top Depth(m):		0.1

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Bottom Depth(m):	0.4			Stratum Desc:	Concrete
+					
Stratum ID:	218570751			Top Depth(m):	0.4
Bottom Depth(m):	1.1			Stratum Desc:	Brown Fill-Misc Sand
+					
Stratum ID:	218570752			Top Depth(m):	1.1
Bottom Depth(m):	2.6			Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218570753			Top Depth(m):	2.6
Bottom Depth(m):	3.6			Stratum Desc:	Grey Firm Silty Clay
+					
Stratum ID:	218570754			Top Depth(m):	3.6
Bottom Depth(m):	11.3			Stratum Desc:	Grey Very Dense to Compact Till Silt - Sand With: Gr Trace: CI Occasional: Cob
+					
Stratum ID:	218570755			Top Depth(m):	11.3
Bottom Depth(m):	21.7			Stratum Desc:	Grey Very Dense Till Silt - Sand With: Gr Trace: CI Occasional: Cob Occ Blds
+					
Stratum ID:	218570756			Top Depth(m):	21.7
Bottom Depth(m):	22.3			Stratum Desc:	Dark Grey Bedrock Shale
+					
Stratum ID:	218570757			Top Depth(m):	22.3
Bottom Depth(m):	24.9			Stratum Desc:	Greenish Grey Bedrock Limestone

9	1 of 2	SE/39.7	75.0	Macies Hotel Ltd. 1274 Carling Ave. Ottawa ON K1Z 7K8	GEN
Generator #:	ON2619626				
Approval Yrs:	05				
SIC Code:	721111				
SIC Description:	Hotels				
--- Details ---					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
+					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				

9	2 of 2	SE/39.7	75.0	Macies Hotel Ltd. 1274 Carling Ave. Ottawa ON K1Z 7K8	GEN
Generator #:	ON5260329				
Approval Yrs:	05				
SIC Code:	721111				
SIC Description:	Hotels				
--- Details ---					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
10	1 of 1	E/11.9	75.0	ONTARIO HYDRO CARLING & MERIVALE STREETS CAPACITOR OTTAWA CITY ON	SPL
<div> <div>Ref No.: 129179</div> <div>Incident Dt: 7/14/1996</div> <div>MOE Reported Dt: 7/14/1996</div> <div>Contaminant Name:</div> <div>Contaminant Quantity:</div> <div>Incident Summary: ONTARIO HYDRO-5 L NON-PCBTRANSFORMER OIL TO GRND, CONTAINED,CLEANED-UP.</div> <div>Incident Cause: COOLING SYSTEM LEAK</div> <div>Incident Reason: OTHER</div> <div>Nature of Impact:</div> <div>Receiving Medium: LAND</div> <div>Environmental Impact: NOT ANTICIPATED</div> </div>					
11	1 of 1	SSW/3.5	73.0	ON	BORE
<div> <div> <div>Borehole ID: 848116</div> <div>Use: Geotechnical/Geological Investigation</div> <div>Drill Method: Diamond Drill</div> <div>Easting: 442426</div> <div>Location Accuracy:</div> <div>Elev. Reliability Note:</div> <div>Total Depth m: 15.3</div> <div>Township: NEPEAN</div> <div>Lot: LOT 33</div> <div>Completion Date: 11-APR-1975</div> <div>Primary Water Use:</div> </div> <div> <div>Type: Borehole</div> <div>Status: Decommissioned</div> <div>UTM Zone: 18</div> <div>Northing: 5026059</div> <div>Orig. Ground Elev m: 73.8</div> <div>DEM Ground Elev m: 74.6</div> <div>Primary Name:</div> <div>Concession: CON 1 ON OTTAWA RIVER</div> <div>Municipality:</div> <div>Static Water Level: -999.9</div> <div>Sec. Water Use:</div> </div> </div>					
--- Details ---					
<div> <div>Stratum ID: 6560010</div> <div>Bottom Depth(m): 0.2</div> <div>+</div> <div>Stratum ID: 6560011</div> <div>Bottom Depth(m): 1.1</div> <div>+</div> <div>Stratum ID: 6560012</div> <div>Bottom Depth(m): 2.6</div> <div>+</div> <div>Stratum ID: 6560013</div> <div>Bottom Depth(m): 9.3</div> <div>+</div> <div>Stratum ID: 6560014</div> <div>Bottom Depth(m): 12.2</div> <div>+</div> <div>Stratum ID: 6560015</div> <div>Bottom Depth(m): 15.3</div> </div>					
<div> <div>Top Depth(m): 0.0</div> <div>Stratum Desc: ASPHALT</div> <div>Top Depth(m): 0.2</div> <div>Stratum Desc: FILL</div> <div>Top Depth(m): 1.1</div> <div>Stratum Desc: BROWN SILTY CLAY</div> <div>Top Depth(m): 2.6</div> <div>Stratum Desc: TILL</div> <div>Top Depth(m): 9.3</div> <div>Stratum Desc: VERY FINE TO MEDIUM GRAINED Limestone BEDROCK WITH MANY SHALE BANDS AND LAMINAE</div> <div>Top Depth(m): 12.2</div> <div>Stratum Desc: FAIRLY SOUND VERY FINE TO MEDIUM GRAINED Limestone BEDROCK, MANY SHALE BANDS</div> </div>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
AND LAMINAE					
12	1 of 4	S/41.9	73.0	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON	GEN
Generator #:		ON4615739			
Approval Yrs:		2013			
SIC Code:		621420			
SIC Description:		OUT-PATIENT MENTAL HEALTH AND SUBSTANCE ABUSE CENTRES			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
12	2 of 4	S/41.9	73.0	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator #:		ON4615739			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
12	3 of 4	S/41.9	73.0	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator #:		ON4615739			
Approval Yrs:		2012			
SIC Code:		621420			
SIC Description:		Out-Patient Mental Health and Substance Abuse Centres			
12	4 of 4	S/41.9	73.0	Ontario Addiction Treatment Centre 1318 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator #:		ON4615739			
Approval Yrs:		2011			
SIC Code:		621420			
SIC Description:					
13	1 of 1	NE/44.0	72.8	ONTARIO HYDRO (OTTAWA-CARLING T.S.) 1275 CARLING AVENUE OTTAWA CITY ON	CA
Certificate #:		4-0086-94-			
Application Year:		94			
Issue Date:		10/5/1994			
Approval Type:		Industrial wastewater			
Status:		Approved			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: TRANSFORMER SPILL CONTAINMENT SYSTEM Contaminants: Emission Control:					
14	1 of 12	SW/21.4	73.4	1335 Carling Ave. Ottawa ON K1Z 8N8	EHS
Order No.: 20040921032 Report Date: 9/23/04 Report Type: Site Report Search Radius (km): 0.25 Addit. Info Ordered:					
14	2 of 12	SW/21.4	73.4	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator #: ON9709569 Approval Yrs: As of May 2015 SIC Code: SIC Description: --- Details --- Waste Code: 312 Waste Description: Pathological wastes					
14	3 of 12	SW/21.4	73.4	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator #: ON4081183 Approval Yrs: 2012 SIC Code: 621210 SIC Description: Offices of Dentists --- Details --- Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
14	4 of 12	SW/21.4	73.4	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator #: ON9709569 Approval Yrs: 2012 SIC Code: 621110					
38	erisinfo.com EcoLog ERIS Ltd. 1522569 17000 1255 Carling Avenue Ottawa ON				Order #: 20150729034

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Description:		Offices of Physicians			
14	5 of 12	SW/21.4	73.4	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator #:		ON4081183			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		148			
Waste Description:		Misc. wastes and inorganic chemicals			
+					
Waste Code:		264			
Waste Description:		Photoprocessing wastes			
14	6 of 12	SW/21.4	73.4	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON K1Z 8N8	GEN
Generator #:		ON9709569			
Approval Yrs:		2011			
SIC Code:		621110			
SIC Description:					
14	7 of 12	SW/21.4	73.4	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator #:		ON4081183			
Approval Yrs:		2010			
SIC Code:		621210			
SIC Description:		Offices of Dentists			
--- Details ---					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
+					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
14	8 of 12	SW/21.4	73.4	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON K1Z 8N8	GEN
Generator #:		ON4081183			
Approval Yrs:		2011			
SIC Code:		621210			
SIC Description:		Offices of Dentists			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<div> <div>--- Details ---</div> <div> Waste Code: 312 Waste Description: PATHOLOGICAL WASTES + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES </div> </div>					
14	9 of 12	SW/21.4	73.4	Milident Inc. 550-1335 Carling Avenue Ottawa ON K1Z 8N8	GEN
<div> Generator #: ON5442111 Approval Yrs: 07,08 SIC Code: 621210 SIC Description: Offices of Dentists <div> <div>--- Details ---</div> <div> Waste Code: 312 Waste Description: PATHOLOGICAL WASTES </div> </div> </div>					
14	10 of 12	SW/21.4	73.4	A. Zachary Dental Laboratory 1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	SCT
<div> Established: 1971 Plant Size (ft²): Employment: 1 <div> <div>--- Details ---</div> <div> SIC/NAICS Code: 339110 Description: Medical Equipment and Supplies Manufacturing </div> </div> </div>					
14	11 of 12	SW/21.4	73.4	Echo Dental Lab Ltd. 1335 Carling Ave Suite 415 Ottawa ON K1Z 8N8	SCT
<div> Established: 01-JUN-79 Plant Size (ft²): 1000 Employment: <div> <div>--- Details ---</div> <div> SIC/NAICS Code: 339110 Description: Medical Equipment and Supplies Manufacturing + SIC/NAICS Code: 339110 Description: Medical Equipment and Supplies Manufacturing </div> </div> </div>					
14	12 of 12	SW/21.4	73.4	Zachary A Dental Lab Ltd. 1335 Carling Ave Suite 400 Ottawa ON K1Z 8N8	SCT
<div> Established: Plant Size (ft²): Employment: </div>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
SIC/NAICS Code:		339110			
Description:		Medical Equipment and Supplies Manufacturing			

15	1 of 1	SSW/17.2	73.0	ON	BORE
Borehole ID:	801061	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status:			
Drill Method:	Boring	UTM Zone:	18		
Easting:	442408.26	Northing:	5026057.16		
Location Accuracy:		Orig. Ground Elev m:	74		
Elev. Reliability Note:		DEM Ground Elev m:	74.4		
Total Depth m:	15.3	Primary Name:	BH W30		
Township:		Concession:			
Lot:		Municipality:			
Completion Date:	11-APR-1975	Static Water Level:	3.2		
Primary Water Use:		Sec. Water Use:			
--- Details ---					
Stratum ID:	218566598	Top Depth(m):	0.0		
Bottom Depth(m):	0.2	Stratum Desc:	Asphalt		
+					
Stratum ID:	218566599	Top Depth(m):	0.2		
Bottom Depth(m):	1.1	Stratum Desc:	Brown Compact Fill-Misc Sand - Gravel With: Si		
+					
Stratum ID:	218566600	Top Depth(m):	1.1		
Bottom Depth(m):	2.6	Stratum Desc:	Grey-Brown Stiff Weathered Crust Silty Clay		
+					
Stratum ID:	218566601	Top Depth(m):	2.6		
Bottom Depth(m):	9.2	Stratum Desc:	Grey Compact to Dense Till sand silt With: Gr W Cob W Blds Trace: Cl		
+					
Stratum ID:	218566602	Top Depth(m):	9.2		
Bottom Depth(m):	12.6	Stratum Desc:	Grey Bedrock Limestone fractured, fine to medium grained		
+					
Stratum ID:	218566603	Top Depth(m):	12.6		
Bottom Depth(m):	15.3	Stratum Desc:	Grey Bedrock Limestone fine to medium grained		

16	1 of 3	SW/30.8	73.1	Dr T Harle & Dr J Paul 1335 carling ave suite 414 ottawa ON	GEN
Generator #:	ON4081183				
Approval Yrs:	2013				
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
--- Details ---					
Waste Code:	264				
Waste Description:	PHOTOPROCESSING WASTES				
+					
Waste Code:	148				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description: + Waste Code: Waste Description:		INORGANIC LABORATORY CHEMICALS 312 PATHOLOGICAL WASTES			
16	2 of 3	SW/30.8	73.1	165279 Canada Inc 1335 Carling Ave Suite 600 Ottawa ON	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON5603133 As of May 2015 ---			
Details --- Waste Code: Waste Description:		312 Pathological wastes			
16	3 of 3	SW/30.8	73.1	Sports and Spinal Injury Clinic 1335 Carling Ave., Suite 602 Ottawa ON	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON9709569 2013 621110 OFFICES OF PHYSICIANS			
Details --- Waste Code: Waste Description:		312 PATHOLOGICAL WASTES			
17	1 of 4	SSE/90.3	74.4	Carlingwood Clinico Leasing Ltd. 1296 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON6005999 06,07,08 622111 General (except Paediatric) Hospitals			
Details --- Waste Code: Waste Description: + Waste Code: Waste Description:		261 PHARMACEUTICALS 312 PATHOLOGICAL WASTES			
17	2 of 4	SSE/90.3	74.4	Carlingwood Clinico Leasing Ltd. 1296 Carling Avenue Ottawa ON K1Z 7K8	GEN
Generator #: Approval Yrs: SIC Code: SIC Description:		ON6005999 2009 622111 General (except Paediatric) Hospitals			
Details --- Waste Code: Waste Description:		261 PHARMACEUTICALS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+ Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
17	3 of 4	SSE/90.3	74.4	Thermal Insulation Association 1300 Carling Ave Suite 309 Ottawa ON K1Z 7L2	SCT
Established: 1965 Plant Size (ft²): Employment: 1 --- Details --- SIC/NAICS Code: 511120 Description: Periodical Publishers + SIC/NAICS Code: 813910 Description: Business Associations					
17	4 of 4	SSE/90.3	74.4	EVERT COMMUNICATIONS LIMITED 1296 CARLING AVE OTTAWA ON K1Z 7K8	SCT
Established: 1974 Plant Size (ft²): 4000 Employment: 9 --- Details --- SIC/NAICS Code: 2741 Description: MISCELLANEOUS PUBLISHING					
18	1 of 1	NW/110.0	74.7	ON	BORE
Borehole ID: 801094 Use: Geotechnical/Geological Investigation Drill Method: Hollow stem auger Easting: 442360.56 Location Accuracy: Elev. Reliability Note: Total Depth m: 10.9 Township: Lot: Completion Date: 03-JUN-1975 Primary Water Use: --- Details --- Stratum ID: 218566750 Bottom Depth(m): 0.1 + Stratum ID: 218566751 Bottom Depth(m): 0.4 + Stratum ID: 218566752 Bottom Depth(m): 3.7 +					
Type: Borehole Status: UTM Zone: 18 Northing: 5026338.01 Orig. Ground Elev m: 74.5 DEM Ground Elev m: 73.8 Primary Name: BH W33 Concession: Municipality: Static Water Level: 3 Sec. Water Use: Top Depth(m): 0.0 Stratum Desc: Topsoil Top Depth(m): 0.1 Stratum Desc: Brown Silt - Sand Top Depth(m): 0.4 Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
Stratum ID:	218566753			Top Depth(m):	3.7
Bottom Depth(m):	9.4			Stratum Desc:	Grey Firm Silty Clay Occasional: Sa
+					
Stratum ID:	218566754			Top Depth(m):	9.4
Bottom Depth(m):	10.9			Stratum Desc:	Grey Compact to Dense Till sand silt With: Gr Trace: Cl
<hr/>					
19	1 of 1	S/90.5	74.0	Triole Investments Limited 1316 Carling Avenue Ottawa ON K1Z 7L1	CA
<hr/>					
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:					
<hr/>					
20	1 of 1	SE/93.8	75.0	1274 Carling Ave Ottawa ON K1Z7K8	EHS
<hr/>					
Order No.:	20140107042				
Report Date:	14-JAN-14				
Report Type:	Custom Report				
Search Radius (km):	.25				
Addit. Info Ordered:					
<hr/>					
21	1 of 1	N/7.8	75.0	ON	BORE
<hr/>					
Borehole ID:	847308			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442497			Northing:	5026399
Location Accuracy:				Orig. Ground Elev m:	75.1
Elev. Reliability Note:				DEM Ground Elev m:	76.9
Total Depth m:	10.5			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 33			Municipality:	
Completion Date:	22-OCT-1958			Static Water Level:	1.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556773			Top Depth(m):	0.0
Bottom Depth(m):	2.7			Stratum Desc:	FILL (BROWNISH GREY CLAY WITH SAND)
+					
Stratum ID:	6556774			Top Depth(m):	2.7

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Bottom Depth(m):	3.5			Stratum Desc:	VERY STIFF BROWNISH GREY CLAY WITH SOME SILT
+					
Stratum ID:	6556775			Top Depth(m):	3.5
Bottom Depth(m):	4.6			Stratum Desc:	STIFF BROWNISH GREY CLAY WITH A LITTLE SILT
+					
Stratum ID:	6556776			Top Depth(m):	4.6
Bottom Depth(m):	5.0			Stratum Desc:	STIFF SILTY FISSURED GREY CLAY
+					
Stratum ID:	6556777			Top Depth(m):	5.0
Bottom Depth(m):	5.3			Stratum Desc:	SILTY FINE SAND
+					
Stratum ID:	6556778			Top Depth(m):	5.3
Bottom Depth(m):	6.1			Stratum Desc:	MEDIUM SOFT FISSURED SILTY GREY CLAY
+					
Stratum ID:	6556779			Top Depth(m):	6.1
Bottom Depth(m):	6.7			Stratum Desc:	SOFT GREY CLAY WITH SOME SILT AND LAYERS OF FINE SAND
+					
Stratum ID:	6556780			Top Depth(m):	6.7
Bottom Depth(m):	8.2			Stratum Desc:	SOFT SILTY FISSURED GREY CLAY AND SILT IN LAYERS
+					
Stratum ID:	6556781			Top Depth(m):	8.2
Bottom Depth(m):	8.7			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556782			Top Depth(m):	8.7
Bottom Depth(m):	9.1			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 14%
+					
Stratum ID:	6556783			Top Depth(m):	9.1
Bottom Depth(m):	10.5			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 84%

22	1 of 1	WSW/59.9	76.8	ON	BORE
Borehole ID:	612935			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	442301			Northing:	5026152
Location Accuracy:				Orig. Ground Elev m:	74.6
Elev. Reliability Note:				DEM Ground Elev m:	79.5
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	19.4
Primary Water Use:				Sec. Water Use:	
---	Details	---			
Stratum ID:	218393042			Top Depth(m):	0.3
Bottom Depth(m):	0.9			Stratum Desc:	SAND. LOOSE.
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	218393043			Top Depth(m):	0.9
Bottom Depth(m):	2.3			Stratum Desc:	CLAY. GREY,STIFF.
+					
Stratum ID:	218393044			Top Depth(m):	2.3
Bottom Depth(m):	6.1			Stratum Desc:	CLAY. GREY,SOFT.
+					
Stratum ID:	218393045			Top Depth(m):	6.1
Bottom Depth(m):	7.8			Stratum Desc:	TILL. LOOSE.
+					
Stratum ID:	218393046			Top Depth(m):	7.8
Bottom Depth(m):				Stratum Desc:	TILL. FIRM. WATER STABLE AT 181.4 FEET.BOULDERS. VERY DENSE. 00000 015 00040 030 00095
+					
Stratum ID:	218393041			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	SOIL.

<u>23</u>	1 of 2	SSW/59.5	73.0	1117018 ONTARIO LIMITED 1330 CARLING AVENUE (SWM) OTTAWA CITY ON K1Z 7K8	CA
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:					

<u>23</u>	2 of 2	SSW/59.5	73.0	1330 Carling Avenue Ottawa ON K1Z 7K8	EHS
Order No.:	20080624004				
Report Date:	7/4/2008				
Report Type:	Custom Report				
Search Radius (km):	0.25				
Addit. Info Ordered:	Fire Insur. Maps And /or Site Plans				

<u>24</u>	1 of 1	SSW/61.4	73.0	1330 Carling Ave Ottawa ON K1Z7K8	EHS
Order No.:	20140616018				
Report Date:	24-JUN-14				
Report Type:	Standard Report				
Search Radius (km):	.25				
Addit. Info Ordered:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
25	1 of 1	W/116.5	75.0	ON	BORE
Borehole ID: 801098		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status:			
Drill Method: Hollow stem auger		UTM Zone: 18			
Easting: 442279.87		Northing: 5026224.53			
Location Accuracy:		Orig. Ground Elev m: 75.9			
Elev. Reliability Note:		DEM Ground Elev m: 75.4			
Total Depth m: 11.1		Primary Name: BH W34			
Township:		Concession:			
Lot:		Municipality:			
Completion Date: 04-JUN-1975		Static Water Level: 3.5			
Primary Water Use:		Sec. Water Use:			
--- Details ---					
Stratum ID: 218566771		Top Depth(m): 0.0			
Bottom Depth(m): 0.2		Stratum Desc: Topsoil			
+					
Stratum ID: 218566772		Top Depth(m): 0.2			
Bottom Depth(m): 0.6		Stratum Desc: Dark Brown Fill-Misc Silt - Sand With: Gr			
+					
Stratum ID: 218566773		Top Depth(m): 0.6			
Bottom Depth(m): 1.1		Stratum Desc: Brown Silt - Sand			
+					
Stratum ID: 218566774		Top Depth(m): 1.1			
Bottom Depth(m): 3.7		Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty Clay			
+					
Stratum ID: 218566775		Top Depth(m): 3.7			
Bottom Depth(m): 9.8		Stratum Desc: Grey Firm Silty Clay Occasional: Sa			
+					
Stratum ID: 218566776		Top Depth(m): 9.8			
Bottom Depth(m): 11.1		Stratum Desc: Compact to Dense Till Silt - Sand With: Gr Trace: Cl			

26	1 of 1	N/23.6	75.1	ON	BORE
Borehole ID: 847306		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status: Decommissioned			
Drill Method: Diamond Drill		UTM Zone: 18			
Easting: 442484		Northing: 5026414			
Location Accuracy:		Orig. Ground Elev m: 74.5			
Elev. Reliability Note:		DEM Ground Elev m: 77.5			
Total Depth m: 11.5		Primary Name:			
Township: NEPEAN		Concession: CON 1 ON OTTAWA RIVER			
Lot: LOT 33		Municipality:			
Completion Date: 10-OCT-1958		Static Water Level: 1.8			
Primary Water Use:		Sec. Water Use:			
--- Details ---					
Stratum ID: 6556752		Top Depth(m): 0.0			
Bottom Depth(m): 1.2		Stratum Desc: FILL			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	6556753			Top Depth(m):	1.2
Bottom Depth(m):	3.0			Stratum Desc:	HARD BROWNISH GREY CLAY WITH A LITTLE SILT
+					
Stratum ID:	6556754			Top Depth(m):	3.0
Bottom Depth(m):	3.7			Stratum Desc:	STIFF SILTY BROWNISH GREY CLAY
+					
Stratum ID:	6556755			Top Depth(m):	3.7
Bottom Depth(m):	4.6			Stratum Desc:	MEDIUM SOFT BROWNISH GREY CLAY WITH A LITTLE SILT
+					
Stratum ID:	6556756			Top Depth(m):	4.6
Bottom Depth(m):	4.7			Stratum Desc:	STIFF FISSURED BROWNISH GREY CLAY
+					
Stratum ID:	6556757			Top Depth(m):	4.7
Bottom Depth(m):	4.9			Stratum Desc:	LAYER OF SAND
+					
Stratum ID:	6556758			Top Depth(m):	4.9
Bottom Depth(m):	5.3			Stratum Desc:	SOFT TO MEDIUM SOFT GREY SILTY CLAY WITH TRACES OF SAND
+					
Stratum ID:	6556759			Top Depth(m):	5.3
Bottom Depth(m):	6.1			Stratum Desc:	MEDIUM SOFT GREY SILTY CLAY WITH TRACES OF SAND
+					
Stratum ID:	6556760			Top Depth(m):	6.1
Bottom Depth(m):	7.7			Stratum Desc:	MEDIUM SOFT GREY SILTY CLAY WITH SANDY SILT LAYERS AND A FEW STONES
+					
Stratum ID:	6556761			Top Depth(m):	7.7
Bottom Depth(m):	8.5			Stratum Desc:	GREY SILTY CLAY WITH A LITTLE SAND
+					
Stratum ID:	6556762			Top Depth(m):	8.5
Bottom Depth(m):	8.9			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556763			Top Depth(m):	8.9
Bottom Depth(m):	9.5			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 62%
+					
Stratum ID:	6556764			Top Depth(m):	9.5
Bottom Depth(m):	11.5			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 81%

[27](#)

1 of 1

SSW/61.5

73.9

**OTTAWA CITY
ARCHIBALD ST./CARLING AVE.
OTTAWA CITY ON**

CA

Certificate #: 3-0892-96-
Application Year: 96
Issue Date: 10/2/1996

48

erisinfo.com | EcoLog ERIS Ltd.
1522569 17000 1255 Carling Avenue Ottawa ON

Order #: 20150729034

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
----------------	------------------------------	----------------------------------	------------------------	-------------	-----------

Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

28	1 of 1	N/19.5	75.6	Ottawa Greenbelt Construction Company Limited Merivale Rd. & Hwy. 417 Ottawa ON	SPL
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Ref No.:	5553-8MUUH3
Incident Dt:	10/21/2011
MOE Reported Dt:	10/21/2011
Contaminant Name:	DRINKING WATER (FULLY TREATED)
Contaminant Quantity:	0 other - see incident description
Incident Summary:	Ottawa Greenbelt Construction-potable water to storm sewer.
Incident Cause:	Discharge Or Bypass To A Watercourse
Incident Reason:	Error- Operator error
Nature of Impact:	
Receiving Medium:	
Environmental Impact:	Not Anticipated

29 1 of 1 N/43.2 75.0 ON BORE

<i>Borehole ID:</i>	847304
<i>Use:</i>	Geotechnical/Geological Investigation
<i>Drill Method:</i>	Diamond Drill
<i>Easting:</i>	442465
<i>Location Accuracy:</i>	
<i>Elev. Reliability Note:</i>	
<i>Total Depth m:</i>	10.1
<i>Township:</i>	NEPEAN
<i>Lot:</i>	LOT 33
<i>Completion Date:</i>	30-OCT-1958
<i>Primary Water Use:</i>	

Type:	Borehole
Status:	Decommissioned
UTM Zone:	18
Northing:	5026420
Orig. Ground Elev m:	73.2
DEM Ground Elev m:	76.7
Primary Name:	
Concession:	CON 1 ON OTTAWA RIVER
Municipality:	
Static Water Level:	-999.9
Sec. Water Use:	

--- Details ---

Stratum ID:	6556731
Bottom Depth(m):	0.3
+	
Stratum ID:	6556732
Bottom Depth(m):	1.2
+	
Stratum ID:	6556733
Bottom Depth(m):	2.0
+	
Stratum ID:	6556734
Bottom Depth(m):	3.0

Top Depth(m):	0.0
Stratum Desc:	TOPSOIL
Top Depth(m):	0.3
Stratum Desc:	VERY STIFF BROWNISH GREY CLAY
Top Depth(m):	1.2
Stratum Desc:	STIFF BROWNISH GREY CLAY
Top Depth(m):	2.0
Stratum Desc:	MEDIUM SOFT BROWNISH GREY CLAY

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	6556735			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	MEDIUM SOFT FISSURED GREY SILTY CLAY
+					
Stratum ID:	6556736			Top Depth(m):	4.6
Bottom Depth(m):	7.6			Stratum Desc:	MEDIUM SOFT GREY CLAY WITH SANDY CLAY LAYERS AND SILTY CLAY LAYERS
+					
Stratum ID:	6556737			Top Depth(m):	7.6
Bottom Depth(m):	8.1			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556738			Top Depth(m):	8.1
Bottom Depth(m):	8.4			Stratum Desc:	MEDIUM DENSE TILL
+					
Stratum ID:	6556739			Top Depth(m):	8.4
Bottom Depth(m):	10.1			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 92%

30	1 of 1	N/20.5	75.0	ON	BORE
Borehole ID:	847307			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442510			Northing:	5026422
Location Accuracy:				Orig. Ground Elev m:	73.4
Elev. Reliability Note:				DEM Ground Elev m:	76.3
Total Depth m:	8.4			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 33			Municipality:	
Completion Date:	05-NOV-1958			Static Water Level:	.6
Primary Water Use:				Sec. Water Use:	
---	Details ---				
Stratum ID:	6556765			Top Depth(m):	0.0
Bottom Depth(m):	0.8			Stratum Desc:	FILL
+					
Stratum ID:	6556766			Top Depth(m):	0.8
Bottom Depth(m):	1.5			Stratum Desc:	HARD BROWNISH GREY CLAY
+					
Stratum ID:	6556767			Top Depth(m):	1.5
Bottom Depth(m):	2.3			Stratum Desc:	VERY STIFF BROWNISH GREY CLAY WITH SOME SILT
+					
Stratum ID:	6556768			Top Depth(m):	2.3
Bottom Depth(m):	3.0			Stratum Desc:	STIFF BROWNISH GREY CLAY WITH SOME SILT
+					
Stratum ID:	6556769			Top Depth(m):	3.0
Bottom Depth(m):	3.8			Stratum Desc:	MEDIUM SOFT BROWNISH GREY SILTY CLAY WITH SOME SAND AND SAND POCKETS AND SAND LAYERS
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556770			Top Depth(m):	3.8
Bottom Depth(m):	6.1			Stratum Desc:	MEDIUM SOFT GREY SILTY CLAY
+					
Stratum ID:	6556771			Top Depth(m):	6.1
Bottom Depth(m):	6.9			Stratum Desc:	SOFT FISSURED GREY SILTY CLAY AND SILT IN LAYERS
+					
Stratum ID:	6556772			Top Depth(m):	6.9
Bottom Depth(m):	8.4			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 93%

31	1 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON	GEN
Generator #:	ON2953529				
Approval Yrs:	2010				
SIC Code:	221122, 221121				
SIC Description:	Electric Power Distribution, Electric Bulk Power Transmission and Control				
--- Details ---					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
+					
Waste Code:	243				
Waste Description:	PCBS				
+					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
+					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
+					
Waste Code:	122				
Waste Description:	ALKALINE WASTES - OTHER METALS				
+					
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
+					
Waste Code:	146				
Waste Description:	OTHER SPECIFIED INORGANICS				
+					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				

31	2 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON	GEN
Generator #:	ON2953529				
Approval Yrs:	2009				
SIC Code:	221122, 221121				
SIC Description:	Electric Power Distribution, Electric Bulk Power Transmission and Control				
--- Details ---					
Waste Code:	122				
Waste Description:	ALKALINE WASTES - OTHER METALS				
+					
Waste Code:	145				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		243			
Waste Description:		PCBS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

<u>31</u>	3 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON	GEN
---------------------------	---------------	---------------	-------------	--	------------

Generator #:	ON2953529
Approval Yrs:	2013
SIC Code:	221122, 221121
SIC Description:	ELECTRIC POWER DISTRIBUTION

--- Details ---

Waste Code:	243
Waste Description:	PCBS
+	
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
+	
Waste Code:	145
Waste Description:	PAINT/PIGMENT/COATING RESIDUES
+	
Waste Code:	221
Waste Description:	LIGHT FUELS
+	
Waste Code:	122
Waste Description:	ALKALINE WASTES - OTHER METALS
+	
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
+	
Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
+	
Waste Code:	251
Waste Description:	OIL SKIMMINGS & SLUDGES

<u>31</u>	4 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON	GEN
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Generator #:	ON2953529
Approval Yrs:	2011

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		221122, 221121			
SIC Description:		Electric Power Distribution, Electric Bulk Power Transmission and Control			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		243			
Waste Description:		PCBS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			

31	5 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON K1Z 8N3	GEN
Generator #:		ON2953529			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		146			
Waste Description:		Other specified inorganic sludges, slurries or solids			
+					
Waste Code:		331			
Waste Description:		Waste compressed gases including cylinders			
+					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
+					
Waste Code:		251			
Waste Description:		Waste oils/sludges (petroleum based)			
+					
Waste Code:		122			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
+					
Waste Code:		121			
Waste Description:		Alkaline slutions - containing heavy metals			
+					
Waste Code:		221			
Waste Description:		Light fuels			
+					
Waste Code:		213			
Waste Description:		Petroleum distillates			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
31	6 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON K1Z 8N3	GEN
Generator #:		ON2953529			
Approval Yrs:		2012			
SIC Code:		221122, 221121			
SIC Description:		Electric Power Distribution, Electric Bulk Power Transmission and Control			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		243			
Waste Description:		PCBS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			

31	7 of 8	E/98.6	75.1	Hydro Ottawa ltd 1245 Carling Ave Ottawa ON K1Z 8N3	GEN
Generator #:		ON2953529			
Approval Yrs:		04,05,06,07,08			
SIC Code:		221122			
SIC Description:		Electric Power Distribution			
--- Details ---					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> <div>+</div> <div>Waste Code:</div> <div>Waste Description:</div> </div> <div> <div>243</div> <div>PCB'S</div> <div></div> <div>251</div> <div>OIL SKIMMINGS & SLUDGES</div> <div></div> <div>252</div> <div>WASTE OILS & LUBRICANTS</div> </div>					
31	8 of 8	E/98.6	75.1	ONTARIO HYDRO TRANSFORMER STATION AT 1245 CARLING AVE. TRANSFORMER OTTAWA CITY ON K1Z 8N3	SPL
<div> <div>Ref No.:</div> <div>Incident Dt:</div> <div>MOE Reported Dt:</div> <div>Contaminant Name:</div> <div>Contaminant Quantity:</div> <div>Incident Summary:</div> <div>Incident Cause:</div> <div>Incident Reason:</div> <div>Nature of Impact:</div> <div>Receiving Medium:</div> <div>Environmental Impact:</div> </div> <div> <div>88658</div> <div>7/19/1993</div> <div>7/19/1993</div> <div></div> <div></div> <div>ONT.HYDRO - 2 L OF TRANSFORMER OIL TO LAND FROM TRANSFORMER.</div> <div>COOLING SYSTEM LEAK</div> <div>EQUIPMENT FAILURE</div> <div>Other</div> <div>LAND</div> <div>NOT ANTICIPATED</div> </div>					
32	1 of 1	N/27.9	75.7	ON	BORE
<div> <div>Borehole ID:</div> <div>Use:</div> <div>Drill Method:</div> <div>Easting:</div> <div>Location Accuracy:</div> <div>Elev. Reliability Note:</div> <div>Total Depth m:</div> <div>Township:</div> <div>Lot:</div> <div>Completion Date:</div> <div>Primary Water Use:</div> </div> <div> <div>847305</div> <div>Geotechnical/Geological Investigation</div> <div>Diamond Drill</div> <div>442492</div> <div></div> <div></div> <div>10.6</div> <div>NEPEAN</div> <div>LOT 33</div> <div>05-NOV-1958</div> <div></div> </div>					
<div> <div>Type:</div> <div>Status:</div> <div>UTM Zone:</div> <div>Northing:</div> <div>Orig. Ground Elev m:</div> <div>DEM Ground Elev m:</div> <div>Primary Name:</div> <div>Concession:</div> <div>Municipality:</div> <div>Static Water Level:</div> <div>Sec. Water Use:</div> </div> <div> <div>Borehole</div> <div>Decommissioned</div> <div>18</div> <div>5026427</div> <div>74.4</div> <div>77.1</div> <div></div> <div>CON 1 ON OTTAWA RIVER</div> <div></div> <div>1.5</div> <div></div> </div>					
<div> <div>--- Details ---</div> <div>Stratum ID:</div> <div>Bottom Depth(m):</div> <div>+</div> <div>Stratum ID:</div> <div>Bottom Depth(m):</div> <div>+</div> <div>Stratum ID:</div> <div>Bottom Depth(m):</div> <div>+</div> <div>Stratum ID:</div> <div>Bottom Depth(m):</div> <div>+</div> <div>Stratum ID:</div> <div>Bottom Depth(m):</div> </div> <div> <div>6556740</div> <div>1.5</div> <div></div> <div>6556741</div> <div>2.3</div> <div></div> <div>6556742</div> <div>3.0</div> <div></div> <div>6556743</div> <div>3.8</div> </div>					
<div> <div>Top Depth(m):</div> <div>Stratum Desc:</div> <div>Top Depth(m):</div> <div>Stratum Desc:</div> <div>Top Depth(m):</div> <div>Stratum Desc:</div> <div>Top Depth(m):</div> <div>Stratum Desc:</div> </div> <div> <div>0.0</div> <div>FILL (BROWNISH GREY CLAY WITH SAND)</div> <div>1.5</div> <div>BROWNISH GREY CLAY</div> <div>2.3</div> <div>VERY STIFF FISSURED BROWNISH GREY CLAY WITH SOME SILT</div> <div>3.0</div> <div>VERY STIFF BROWNISH GREY CLAY WITH SOME SILT</div> </div>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556744			Top Depth(m):	3.8
Bottom Depth(m):	4.8			Stratum Desc:	MEDIUM SOFT FISSURED BROWNISH GREY SILTY CLAY
+					
Stratum ID:	6556745			Top Depth(m):	4.8
Bottom Depth(m):	5.2			Stratum Desc:	SAND AND SILT
+					
Stratum ID:	6556746			Top Depth(m):	5.2
Bottom Depth(m):	5.3			Stratum Desc:	MEDIUM SOFT FISSURED GREY SILTY CLAY
+					
Stratum ID:	6556747			Top Depth(m):	5.3
Bottom Depth(m):	7.9			Stratum Desc:	MEDIUM SOFT GREY SILTY CLAY
+					
Stratum ID:	6556748			Top Depth(m):	7.9
Bottom Depth(m):	8.2			Stratum Desc:	MEDIUM SOFT FISSURED GREY CLAY AND SILT IN LAYERS
+					
Stratum ID:	6556749			Top Depth(m):	8.2
Bottom Depth(m):	8.5			Stratum Desc:	TILL
+					
Stratum ID:	6556750			Top Depth(m):	8.5
Bottom Depth(m):	8.7			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 99%
+					
Stratum ID:	6556751			Top Depth(m):	8.7
Bottom Depth(m):	10.6			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 88%

[33](#)

1 of 1

S/92.0

73.0

Ottawa ON

WWIS

Well ID: 7138932
 Concession:
 County: OTTAWA-CARLETON
 Easting Nad83: 442562
 Zone: 18
 Primary Water Use: Monitoring
 Sec. Water Use:
 Pump Rate:
 Flow Rate:
 Specific Capacity:
 Construction Method: H.S.A.
 Elevation (m): 172.19
 Depth to Bedrock:
 Water Type:

Lot:
 Concession Name:
 Municipality: OTTAWA CITY
 Northing Nad83: 5025978
 Utm Reliability: margin of error : 100 m - 300 m
 Construction Date: 01-DEC-09
 Well Depth: 6.1 m
 Static Water Level:
 Clear/Cloudy:
 Final Well Status: Test Hole
 Flowing (y/n):
 Elevation Reliability:
 Overburden/Bedrock:
 Casing Material: Not stated

--- Details ---

Thickness: GREY
 Material Colour: CLAY, SILTY
 +
 Thickness: GREY
 Material Colour: CLAY, SAND, SILTY
 +

Original Depth: 3.6 m
 Material: 2.1 m
 Original Depth: 6.1 m
 Material: 2.5 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:				Original Depth:	.1 m
Material Colour:				Material:	.1 m
+					
Thickness:	BROWN			Original Depth:	.9 m
Material Colour:	SAND, GRAVEL, DENSE			Material:	.8 m
+					
Thickness:	GREY			Original Depth:	1.5 m
Material Colour:	CLAY, , SILTY			Material:	.6 m

34	1 of 1	NNW/77.2	75.0	ON	BORE
Borehole ID:	801121			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	442430.65			Northing:	5026426.7
Location Accuracy:				Orig. Ground Elev m:	73.7
Elev. Reliability Note:				DEM Ground Elev m:	73.2
Total Depth m:	19.7			Primary Name:	BH W39
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	11-JUN-1975			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566874			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	Topsoil
+					
Stratum ID:	218566875			Top Depth(m):	0.3
Bottom Depth(m):	3.5			Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218566876			Top Depth(m):	3.5
Bottom Depth(m):	8.7			Stratum Desc:	Grey Firm Silty Clay With: Blds
+					
Stratum ID:	218566877			Top Depth(m):	8.7
Bottom Depth(m):	8.9			Stratum Desc:	Till sand silt
+					
Stratum ID:	218566878			Top Depth(m):	8.9
Bottom Depth(m):	19.7			Stratum Desc:	Light Grey to Grey Bedrock Limestone fine to medium grained

35	1 of 1	SSW/78.3	74.2	ON	BORE
Borehole ID:	801030			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Boring			UTM Zone:	18
Easting:	442363.4			Northing:	5026004
Location Accuracy:				Orig. Ground Elev m:	74.9
Elev. Reliability Note:				DEM Ground Elev m:	74
Total Depth m:	18.1			Primary Name:	BH W26
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	25-MAR-1975			Static Water Level:	-999.9

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566460			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
+					
Stratum ID:	218566461			Top Depth(m):	0.1
Bottom Depth(m):	2.1			Stratum Desc:	Brown Loose Fill-Misc Sand With: Si
+					
Stratum ID:	218566462			Top Depth(m):	2.1
Bottom Depth(m):	3.2			Stratum Desc:	Brown Loose Silt - Sand With: Gr
+					
Stratum ID:	218566463			Top Depth(m):	3.2
Bottom Depth(m):	3.7			Stratum Desc:	Grey Firm Silty Clay
+					
Stratum ID:	218566464			Top Depth(m):	3.7
Bottom Depth(m):	5.3			Stratum Desc:	Grey Loose Till sand silt With: Cl W Gr
+					
Stratum ID:	218566465			Top Depth(m):	5.3
Bottom Depth(m):	10.6			Stratum Desc:	Grey Very Dense Till sand silt With: Cl W Gr W Cob W Blds
+					
Stratum ID:	218566466			Top Depth(m):	10.6
Bottom Depth(m):	18.1			Stratum Desc:	Grey Bedrock Dolomitic Limestone fine to medium grained

36	1 of 1	N/48.1	75.0	ON	BORE
Borehole ID:	847303			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442479			Northing:	5026443
Location Accuracy:				Orig. Ground Elev m:	73.5
Elev. Reliability Note:				DEM Ground Elev m:	75.9
Total Depth m:	10.1			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 33			Municipality:	
Completion Date:	30-OCT-1958			Static Water Level:	.6
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556723			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6556724			Top Depth(m):	0.3
Bottom Depth(m):	1.2			Stratum Desc:	HARD BROWNISH GREY CLAY
+					
Stratum ID:	6556725			Top Depth(m):	1.2
Bottom Depth(m):	2.0			Stratum Desc:	VERY STIFF BROWNISH GREY CLAY
+					
Stratum ID:	6556726			Top Depth(m):	2.0
Bottom Depth(m):	3.0			Stratum Desc:	STIFF BROWNISH GREY CLAY

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	6556727			Top Depth(m):	3.0
Bottom Depth(m):	6.7			Stratum Desc:	MEDIUM SOFT SILTY GREY CLAY
+					
Stratum ID:	6556728			Top Depth(m):	6.7
Bottom Depth(m):	8.2			Stratum Desc:	VERY SOFT FISSURED SILTY GREY CLAY AND SILT IN LAYERS WITH THIN SAND LAYERS AND A FEW PEBBLES
+					
Stratum ID:	6556729			Top Depth(m):	8.2
Bottom Depth(m):	8.6			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556730			Top Depth(m):	8.6
Bottom Depth(m):	10.1			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 93%

37	1 of 1	NNW/74.9	74.9	ON	BORE
Borehole ID:	612967			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	442441			Northing:	5026442
Location Accuracy:				Orig. Ground Elev m:	71.4
Elev. Reliability Note:				DEM Ground Elev m:	72.1
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218393181			Top Depth(m):	2.6
Bottom Depth(m):	5.8			Stratum Desc:	TILL. COMPACT.
+					
Stratum ID:	218393182			Top Depth(m):	5.8
Bottom Depth(m):				Stratum Desc:	BEDROCK. 2 00150 099 00225 085 00350 050 00000012001500020022500100350001 00187
+					
Stratum ID:	218393178			Top Depth(m):	0.0
Bottom Depth(m):	1.4			Stratum Desc:	FILL.
+					
Stratum ID:	218393179			Top Depth(m):	1.4
Bottom Depth(m):	2.3			Stratum Desc:	TILL. FIRM.
+					
Stratum ID:	218393180			Top Depth(m):	2.3
Bottom Depth(m):	2.6			Stratum Desc:	TILL. LOOSE.

38	1 of 1	NE/122.3	75.0	Holland Avenue Between Scott Street And 40 M South Of Tyndall Avenue Ottawa ON	EHS
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Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Order No.: 20120112007 Report Date: 1/20/2012 10:04:34 AM Report Type: Custom Report Search Radius (km): 0.15 Addit. Info Ordered:					

39	1 of 1	ESE/124.2	76.0	823 Merivale Road, Ottawa ON	PINC
Incident ID: 2789172 Tank Status: RC Established Attribute Category: Excavation practices not sufficient Task Number: 3428020 SR Type: FS-Pipeline Incident Incident Number: 632470 Status Code: Pipeline Damage Reason Est Summary: 823 Merivale Road, Ottawa - 2" Pipeline Hit Spills Action Centre: Reported By: Wayne Pilon - TSSA Affiliation: Safety Authorities (MOL, ESA, Insurers, etc.) Method Details: E-mail Fuel Category: Natural Gas Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 8/2/2011 0:00 Occurrence Start Date: 2011/08/02 Health Impact: No Occurrence Desc: SEWER WORK Environment Impact: No Property Damage: Yes Service Interrupt: Yes Fuel Type: Natural Gas Enforce Policy: Yes Operation Type: Construction Site (pipeline strike) Damage Reason: FS-Perform P-line Inc Invest Public Relation: No Pipeline System: Pipeline Type: Service / Riser Distribution Pipeline Depth: 39 Pipe Material: Plastic Regulator Location: Outside PSIG: 50 Regulator Type: Service Regulator (up to 60 psi intake) Notes: failed to hand dig					

40	1 of 1	SW/78.7	74.7	ON	BORE
Borehole ID: 848112 Use: Geotechnical/Geological Investigation Drill Method: Diamond Drill Easting: 442351 Location Accuracy: Elev. Reliability Note: Total Depth m: 18.1 Township: NEPEAN Lot: ROAD Completion Date: 25-MAR-1975 Type: Borehole Status: Decommissioned UTM Zone: 18 Northing: 5025999 Orig. Ground Elev m: 74.9 DEM Ground Elev m: 74.3 Primary Name: Concession: Municipality: Static Water Level: -999.9					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559990			Top Depth(m):	3.2
Bottom Depth(m):	3.7			Stratum Desc:	FIRM GREY SILTY CLAY
+					
Stratum ID:	6559991			Top Depth(m):	3.7
Bottom Depth(m):	5.3			Stratum Desc:	LOOSE GREY SANDY SILT WITH CLAY AND GRAVEL (TILL)
+					
Stratum ID:	6559992			Top Depth(m):	5.3
Bottom Depth(m):	10.6			Stratum Desc:	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)
+					
Stratum ID:	6559993			Top Depth(m):	10.6
Bottom Depth(m):	18.1			Stratum Desc:	SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK, SOME SHALY AND DOLOMITE BANDS
+					
Stratum ID:	6559987			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6559988			Top Depth(m):	0.1
Bottom Depth(m):	2.1			Stratum Desc:	LOOSE BROWN FINE TO MEDIUM SAND WITH SILT (FILL)
+					
Stratum ID:	6559989			Top Depth(m):	2.1
Bottom Depth(m):	3.2			Stratum Desc:	LOOSE BROWN SILTY SAND WITH GRAVEL
41	1 of 2	S/123.3	73.0	ON	BORE
Borehole ID:	612912			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	442451			Northing:	5025942
Location Accuracy:				Orig. Ground Elev m:	76.2
Elev. Reliability Note:				DEM Ground Elev m:	73.6
Total Depth m:	6.7			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	MAY-1950			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218392946			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	CLAY.
+					
Stratum ID:	218392947			Top Depth(m):	1.2

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Bottom Depth(m):	6.7			Stratum Desc:	GRAVEL. 00022AL. BROWN,STIFF. CLAY. GREY,BROWN, STIFF TO VERY STIFF,WEATHERED.CLAY. GREY,S
41	2 of 2	S/123.3	73.0	ON	WWIS
Well ID:	1507810			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	442450.7			Northing Nad83:	5025942
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	15-MAY-50
Sec. Water Use:				Well Depth:	22 ft
Pump Rate:				Static Water Level:	2 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	73.55			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:				Original Depth:	4 ft
Material Colour:	CLAY			Material:	4 ft
+					
Thickness:				Original Depth:	22 ft
Material Colour:	GRAVEL			Material:	18 ft
42	1 of 1	SSE/186.7	75.0	lot I con A ON	WWIS
Well ID:	7152275			Lot:	I
Concession:	A			Concession Name:	OF
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	442617			Northing Nad83:	5025962
Zone:	18			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	30-SEP-10
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):	75.81			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
43	1 of 1	SE/185.6	75.5	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				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
44	1 of 1	N/83.4	75.5	ON	BORE
Borehole ID: 847309 Use: Geotechnical/Geological Investigation Drill Method: Diamond Drill Easting: 442541 Location Accuracy: Elev. Reliability Note: Total Depth m: 8.1 Township: NEPEAN Lot: LOT 34 Completion Date: 22-SEP-1958 Primary Water Use:					
Type: Borehole Status: Decommissioned UTM Zone: 18 Northing: 5026477 Orig. Ground Elev m: 73.7 DEM Ground Elev m: 77.4 Primary Name: Concession: CON 1 ON OTTAWA RIVER Municipality: Static Water Level: 1.3 Sec. Water Use:					
--- Details ---					
Stratum ID: 6556784 Bottom Depth(m): 0.9 + Stratum ID: 6556785 Bottom Depth(m): 2.1 + Stratum ID: 6556786 Bottom Depth(m): 3.0 + Stratum ID: 6556787 Bottom Depth(m): 4.6 + Stratum ID: 6556788 Bottom Depth(m): 5.6 + Stratum ID: 6556789 Bottom Depth(m): 6.6 + Stratum ID: 6556790 Bottom Depth(m): 8.1					
Top Depth(m): 0.0 Stratum Desc: FILL Top Depth(m): 0.9 Stratum Desc: HARD FISSURED BROWNISH GREY CLAY Top Depth(m): 2.1 Stratum Desc: VERY STIFF FISSURED BROWNISH GREY CLAY WITH A TRACE OF SILT Top Depth(m): 3.0 Stratum Desc: MEDIUM SOFT SILTY FISSURED GREY CLAY Top Depth(m): 4.6 Stratum Desc: SOFT SILTY GREY CLAY WITH A FEW PEBBLES Top Depth(m): 5.6 Stratum Desc: LOOSE TILL Top Depth(m): 6.6 Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 85%					
45	1 of 1	S/145.2	73.9	ON	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	1507809			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	442460.7			Northing Nad83:	5025922
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	15-JUL-50
Sec. Water Use:				Well Depth:	36 ft
Pump Rate:				Static Water Level:	5 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	73.6			Elevation Reliability:	
Depth to Bedrock:	20			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	20 ft
Material Colour:	GRAVEL			Material:	16 ft
+					
Thickness:	BLUE			Original Depth:	36 ft
Material Colour:	SHALE			Material:	16 ft
+					
Thickness:				Original Depth:	4 ft
Material Colour:	CLAY			Material:	4 ft
46	1 of 2	SSW/133.9	74.0	ON	BORE
Borehole ID:	612909			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	442396			Northing:	5025932
Location Accuracy:				Orig. Ground Elev m:	76.2
Elev. Reliability Note:				DEM Ground Elev m:	74.3
Total Depth m:	12.5			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1948			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218392935			Top Depth(m):	0.0
Bottom Depth(m):	6.1			Stratum Desc:	CLAY.
+					
Stratum ID:	218392936			Top Depth(m):	6.1
Bottom Depth(m):	12.5			Stratum Desc:	GRAVEL. 0004100117RY STIFF TO VERY HARD, FISSURED. CLAY. GREY,SOFT,STIFF,FISSURED. 00000
46	2 of 2	SSW/133.9	74.0	lot 28 con 2 ON	WWIS
Well ID:	1510605			Lot:	028
Concession:	02			Concession Name:	OF
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY (NEPEAN)
Easting Nad83:	442395.7			Northing Nad83:	5025932
Zone:	18			Utm Reliability:	unknown UTM
64	erisinfo.com EcoLog ERIS Ltd. 1522569 17000 1255 Carling Avenue Ottawa ON				Order #: 20150729034

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	Domestic 5 GPM Cable Tool 74.31 FRESH			Construction Date: 18-JUL-48 Well Depth: 41 ft Static Water Level: Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): Y Elevation Reliability: Overburden/Bedrock: Overburden Casing Material: FRESH	
--- Details ---					
Thickness:				Original Depth: 41 ft	
Material Colour:	GRAVEL			Material: 21 ft	
+					
Thickness:				Original Depth: 20 ft	
Material Colour:	CLAY			Material: 20 ft	

47	1 of 1	SE/201.1	75.0	858, 864-868 Merivale, 1246 Thames Ottawa ON	EHS
Order No.:	20061204014				
Report Date:	12/12/2006				
Report Type:	Complete Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					

48	1 of 1	SSE/207.0	75.0	858 Merivale Road, Ottawa ON	PINC
Incident ID:	2776488				
Tank Status:	RC Established				
Attribute Category:	Excavation practices not sufficient				
Task Number:	3397918				
SR Type:	FS-Pipeline Incident				
Incident Number:	619846				
Status Code:	Pipeline Damage Reason Est				
Summary:	858 Merivale Road, Ottawa - 1 ¼" Pipeline Hit				
Spills Action Centre:					
Reported By:	Stiles, Jeff - Enbridge				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Method Details:	E-mail				
Fuel Category:	Natural Gas				
Fuel Occurrence Type:	Pipeline Strike				
Date of Occurrence:	6/10/2011 0:00				
Occurrence Start Date:	2011/09/15				
Health Impact:	No				
Occurrence Desc:	Linestrike - Failed To Hand Dig				
Environment Impact:	No				
Property Damage:	Yes				
Service Interrupt:	Yes				
Fuel Type:	Natural Gas				
Enforce Policy:	Yes				
Operation Type:	Construction Site (pipeline strike)				
Damage Reason:	FS-Perform P-line Inc Invest				
Public Relation:	No				
Pipeline System:	Transmission pipeline				
Pipeline Type:	Service / Riser Distribution Pipeline				
Depth:	31				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pipe Material:		Plastic			
Regulator Location:		Outside			
PSIG:		53			
Regulator Type:		Service Regulator (up to 60 psi intake)			
Notes:		Failed To Hand Dig			

49	1 of 1	WSW/122.2	78.3	ON	BORE
Borehole ID:	801089	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status:			
Drill Method:	Hollow stem auger	UTM Zone:	18		
Easting:	442210.18	Northing:	5026116.85		
Location Accuracy:		Orig. Ground Elev m:	76.6		
Elev. Reliability Note:		DEM Ground Elev m:	77.2		
Total Depth m:	10.9	Primary Name:	BH W32		
Township:		Concession:			
Lot:		Municipality:			
Completion Date:	03-JUN-1975	Static Water Level:	1.3		
Primary Water Use:		Sec. Water Use:			
--- Details ---					
Stratum ID:	218566730	Top Depth(m):	0.0		
Bottom Depth(m):	0.8	Stratum Desc:	Dark Brown Fill-Misc Silt - Sand Trace: Gr Tr Org M		
+					
Stratum ID:	218566731	Top Depth(m):	0.8		
Bottom Depth(m):	1.8	Stratum Desc:	Brown Loose Silt - Sand		
+					
Stratum ID:	218566732	Top Depth(m):	1.8		
Bottom Depth(m):	3.5	Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay		
+					
Stratum ID:	218566733	Top Depth(m):	3.5		
Bottom Depth(m):	7.2	Stratum Desc:	Grey Firm Silty Clay Occasional: Sa		
+					
Stratum ID:	218566734	Top Depth(m):	7.2		
Bottom Depth(m):	10.9	Stratum Desc:	Grey Compact to Very Dense Till sand silt With: Cl W Gr		

50	1 of 1	N/92.6	75.3	ON	BORE
Borehole ID:	847318	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status:	Decommissioned		
Drill Method:	Diamond Drill	UTM Zone:	18		
Easting:	442507	Northing:	5026495		
Location Accuracy:		Orig. Ground Elev m:	73.5		
Elev. Reliability Note:		DEM Ground Elev m:	76.2		
Total Depth m:	10.7	Primary Name:			
Township:	NEPEAN	Concession:	CON 1 ON OTTAWA RIVER		
Lot:	LOT 33	Municipality:			
Completion Date:	23-SEP-1958	Static Water Level:	1		
Primary Water Use:		Sec. Water Use:			
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556845			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6556846			Top Depth(m):	0.3
Bottom Depth(m):	0.9			Stratum Desc:	LOOSE FINE SAND
+					
Stratum ID:	6556847			Top Depth(m):	0.9
Bottom Depth(m):	3.0			Stratum Desc:	VERY STIFF FISSURED BROWNISH GREY CLAY
+					
Stratum ID:	6556848			Top Depth(m):	3.0
Bottom Depth(m):	3.8			Stratum Desc:	STIFF FISSURED BROWNISH GREY CLAY WITH TRACE OF SAND
+					
Stratum ID:	6556849			Top Depth(m):	3.8
Bottom Depth(m):	5.3			Stratum Desc:	MEDIUM SOFT FISSURED SILTY GREY CLAY WITH SAND LAYERS
+					
Stratum ID:	6556850			Top Depth(m):	5.3
Bottom Depth(m):	7.0			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556851			Top Depth(m):	7.0
Bottom Depth(m):	8.7			Stratum Desc:	MEDIUM DENSE TILL
+					
Stratum ID:	6556852			Top Depth(m):	8.7
Bottom Depth(m):	10.1			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 57%
+					
Stratum ID:	6556853			Top Depth(m):	10.1
Bottom Depth(m):	10.7			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 100%

51	1 of 2	SSE/215.8	75.0	ON	WWIS
Well ID:	7195098			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	NEPEAN TOWNSHIP
Easting Nad83:	442621			Northing Nad83:	5025931
Zone:	18			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	11-JUN-12
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

51	2 of 2	SSE/215.8	75.0	ON	WWIS
Well ID:	7194995			Lot:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	OTTAWA-CARLETON 442621 18			Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	NEPEAN TOWNSHIP 5025931 margin of error : 30 m - 100 m 17-APR-12

52	1 of 1	SE/214.0	75.1	853 Merivale Road, Ottawa ON	PINC
Incident ID: Tank Status: Attribute Category: Task Number: SR Type: Incident Number: Status Code: Summary: Spills Action Centre: Reported By: Affiliation: Method Details: Fuel Category: Fuel Occurrence Type: Date of Occurrence: Occurrence Start Date: Health Impact: Occurrence Desc: Environment Impact: Property Damage: Service Interrupt: Fuel Type: Enforce Policy: Operation Type: Damage Reason: Public Relation: Pipeline System: Pipeline Type: Depth: Pipe Material: Regulator Location: PSIG: Regulator Type: Notes:	2768104 RC Established Excavation practices not sufficient 3379890 FS-Pipeline Incident 611482 Pipeline Damage Reason Est 853 Merivale Road, Ottawa - 1 ¼" Pipeline Hit Wayne Pilon - TSSA Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) E-mail Natural Gas Pipeline Strike 6/11/2011 0:00 2011/06/13 No Mistook Copper Water Service For Gas Line. No Yes Yes Natural Gas Yes Construction Site (pipeline strike) FS-Perform P-line Inc Invest No Service / Riser Distribution Pipeline 39 Plastic Outside 53 Service Regulator (up to 60 psi intake) Imprudent Excavation.				

53	1 of 1	SW/106.1	78.5	ON	BORE
Borehole ID: Use: Drill Method:	847271 Geotechnical/Geological Investigation Diamond Drill			Type: Status: UTM Zone:	Borehole Decommissioned 18

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
Easting:	442235			Northing:	5026031
Location Accuracy:				Orig. Ground Elev m:	74.7
Elev. Reliability Note:				DEM Ground Elev m:	78.4
Total Depth m:	14.6			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 33			Municipality:	
Completion Date:	01-FEB-1958			Static Water Level:	2.6
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556460			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6556461			Top Depth(m):	0.3
Bottom Depth(m):	1.2			Stratum Desc:	LOOSE FINE SAND
+					
Stratum ID:	6556462			Top Depth(m):	1.2
Bottom Depth(m):	2.3			Stratum Desc:	VERY STIFF FISSURED BROWNISH GRAY CLAY
+					
Stratum ID:	6556463			Top Depth(m):	2.3
Bottom Depth(m):	3.0			Stratum Desc:	MEDIUM SOFT FISSURED GRAY CLAY
+					
Stratum ID:	6556464			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	MEDIUM SOFT FISSURED SILTY GRAY CLAY
+					
Stratum ID:	6556465			Top Depth(m):	4.6
Bottom Depth(m):	6.1			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556466			Top Depth(m):	6.1
Bottom Depth(m):	9.9			Stratum Desc:	BOULDERS IN DENSE SANDY TILL
+					
Stratum ID:	6556467			Top Depth(m):	9.9
Bottom Depth(m):	11.4			Stratum Desc:	SHALEY LIMESTONE - CORE RECOVERY 59%
+					
Stratum ID:	6556468			Top Depth(m):	11.4
Bottom Depth(m):	13.1			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 91%
+					
Stratum ID:	6556469			Top Depth(m):	13.1
Bottom Depth(m):	14.6			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 80%

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SSE/212.4

75.0

1262 Thames Street, Ottawa
ON

[PINC](#)

Incident ID: 2764128
 Tank Status: RC Established
 Attribute Category: Excavation practices not sufficient
 Task Number: 3369254
 SR Type: FS-Pipeline Incident
 Incident Number: 607526

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Status Code: Pipeline Damage Reason Est Summary: 1262 Thames Street, Ottawa - 1/2" Pipeline Hit Spills Action Centre: Reported By: Stiles, Jeff - Enbridge Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Method Details: E-mail Fuel Category: Natural Gas Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 5/24/2011 0:00 Occurrence Start Date: 2011/06/28 Health Impact: No Occurrence Desc: failed to daylight, expired locates Environment Impact: No Property Damage: Yes Service Interrupt: Yes Fuel Type: Natural Gas Enforce Policy: Yes Operation Type: Construction Site (pipeline strike) Damage Reason: FS-Perform P-line Inc Invest Public Relation: No Pipeline System: Pipeline Type: Service / Riser Distribution Pipeline Depth: 36 Pipe Material: Plastic Regulator Location: Outside PSIG: 53 Regulator Type: Service Regulator (up to 60 psi intake) Notes: expired locate, did not maintain boundaries					

55	1 of 1	S/207.7	75.0	1270 Thames Street, Ottawa ON	PINC
Incident ID: 2767954 Tank Status: RC Established Attribute Category: Excavation practices not sufficient Task Number: 3379623 SR Type: FS-Pipeline Incident Incident Number: 611336 Status Code: Pipeline Damage Reason Est Summary: 1270 Thames Street, Ottawa - 1/2" Pipeline Hit Spills Action Centre: Reported By: Stiles, Jeff - Enbridge Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) Method Details: E-mail Fuel Category: Natural Gas Fuel Occurrence Type: Pipeline Strike Date of Occurrence: 5/24/2011 0:00 Occurrence Start Date: 2011/06/13 Health Impact: No Occurrence Desc: Linestrike - Expired Locates Environment Impact: No Property Damage: Yes Service Interrupt: Yes Fuel Type: Natural Gas Enforce Policy: Yes Operation Type: Construction Site (pipeline strike) Damage Reason: FS-Perform P-line Inc Invest Public Relation: No Pipeline System: Pipeline Type: Service / Riser Distribution Pipeline					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Depth:		40			
Pipe Material:		Plastic			
Regulator Location:		Outside			
PSIG:		53			
Regulator Type:		Service Regulator (up to 60 psi intake)			
Notes:		Expired Locates, Failed To Support.			

56	1 of 1	NNE/124.0	75.0	ON	BORE
Borehole ID:	847311	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status:	Decommissioned		
Drill Method:	Diamond Drill	UTM Zone:	18		
Easting:	442560	Northing:	5026513		
Location Accuracy:		Orig. Ground Elev m:	73.5		
Elev. Reliability Note:		DEM Ground Elev m:	76.7		
Total Depth m:	7.9	Primary Name:			
Township:	NEPEAN	Concession:	CON 1 ON OTTAWA RIVER		
Lot:	LOT 34	Municipality:			
Completion Date:	18-SEP-1958	Static Water Level:	2.7		
Primary Water Use:		Sec. Water Use:			
--- Details ---					
Stratum ID:	6556795	Top Depth(m):	0.0		
Bottom Depth(m):	1.5	Stratum Desc:	FILL		
+					
Stratum ID:	6556796	Top Depth(m):	1.5		
Bottom Depth(m):	2.7	Stratum Desc:	VERY STIFF FISSURED BROWNISH GREY CLAY WITH SAND LAYERS		
+					
Stratum ID:	6556797	Top Depth(m):	2.7		
Bottom Depth(m):	4.0	Stratum Desc:	MEDIUM DENSE TILL		
+					
Stratum ID:	6556798	Top Depth(m):	4.0		
Bottom Depth(m):	6.4	Stratum Desc:	DENSE SANDY TILL		
+					
Stratum ID:	6556799	Top Depth(m):	6.4		
Bottom Depth(m):	7.9	Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 95%		

57	1 of 1	SW/122.3	78.4	ON	BORE
Borehole ID:	847269	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status:	Decommissioned		
Drill Method:	Diamond Drill	UTM Zone:	18		
Easting:	442224	Northing:	5026017		
Location Accuracy:		Orig. Ground Elev m:	74.7		
Elev. Reliability Note:		DEM Ground Elev m:	79		
Total Depth m:	13.4	Primary Name:			
Township:	NEPEAN	Concession:	CON 1 ON OTTAWA RIVER		
Lot:	LOT 32	Municipality:			
Completion Date:	01-FEB-1958	Static Water Level:	2.7		
Primary Water Use:		Sec. Water Use:			
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556432			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6556433			Top Depth(m):	0.3
Bottom Depth(m):	1.1			Stratum Desc:	LOOSE FINE SAND WITH SILT
+					
Stratum ID:	6556434			Top Depth(m):	1.1
Bottom Depth(m):	2.0			Stratum Desc:	VERY STIFF FISSURED BROWNISH GRAY CLAY
+					
Stratum ID:	6556435			Top Depth(m):	2.0
Bottom Depth(m):	3.5			Stratum Desc:	MEDIUM SOFT FISSURED GRAY CLAY
+					
Stratum ID:	6556436			Top Depth(m):	3.5
Bottom Depth(m):	4.1			Stratum Desc:	SOFT SILTY GRAY CLAY
+					
Stratum ID:	6556437			Top Depth(m):	4.1
Bottom Depth(m):	6.1			Stratum Desc:	VERY LOOSE TILL
+					
Stratum ID:	6556438			Top Depth(m):	6.1
Bottom Depth(m):	6.9			Stratum Desc:	MEDIUM DENSE TILL
+					
Stratum ID:	6556439			Top Depth(m):	6.9
Bottom Depth(m):	9.8			Stratum Desc:	DENSE SANDY TILL
+					
Stratum ID:	6556440			Top Depth(m):	9.8
Bottom Depth(m):	11.2			Stratum Desc:	SHALY LIMESTONE AND SHALE CORE RECOVERY 78%
+					
Stratum ID:	6556441			Top Depth(m):	11.2
Bottom Depth(m):	12.1			Stratum Desc:	SHALY LIMESTONE CORE RECOVERY 88%
+					
Stratum ID:	6556442			Top Depth(m):	12.1
Bottom Depth(m):	13.4			Stratum Desc:	SHALY LIMESTONE CORE RECOVERY 98%

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N/127.9

75.0

ON

BORE

Borehole ID: 847317
 Use: Geotechnical/Geological Investigation
 Drill Method: Diamond Drill
 Easting: 442525
 Location Accuracy:
 Elev. Reliability Note:
 Total Depth m: 9.9
 Township: NEPEAN
 Lot: LOT 34
 Completion Date: 29-SEP-1958
 Primary Water Use:

Type: Borehole
 Status: Decommissioned
 UTM Zone: 18
 Northing: 5026529
 Orig. Ground Elev m: 73.2
 DEM Ground Elev m: 73.8
 Primary Name:
 Concession: CON 1 ON OTTAWA RIVER
 Municipality:
 Static Water Level: 2.7
 Sec. Water Use:

--- Details ---

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556837			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	FINE SAND
+					
Stratum ID:	6556838			Top Depth(m):	0.3
Bottom Depth(m):	2.4			Stratum Desc:	HARD BROWNISH GREY CLAY WITH SOME SILT
+					
Stratum ID:	6556839			Top Depth(m):	2.4
Bottom Depth(m):	3.0			Stratum Desc:	VERY STIFF BROWNISH GREY CLAY WITH SOME SILT AND SAND POCKETS
+					
Stratum ID:	6556840			Top Depth(m):	3.0
Bottom Depth(m):	3.2			Stratum Desc:	LOOSE TILL AND SILTY CLAY IN LAYERS
+					
Stratum ID:	6556841			Top Depth(m):	3.2
Bottom Depth(m):	7.6			Stratum Desc:	MEDIUM DENSE SANDY TILL
+					
Stratum ID:	6556842			Top Depth(m):	7.6
Bottom Depth(m):	8.4			Stratum Desc:	DENSE SANDY TILL
+					
Stratum ID:	6556843			Top Depth(m):	8.4
Bottom Depth(m):	8.9			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 100%
+					
Stratum ID:	6556844			Top Depth(m):	8.9
Bottom Depth(m):	9.9			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 100%

59	1 of 1	N/130.5	74.9	ON	BORE
Borehole ID:	612976			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	442521			Northing:	5026532
Location Accuracy:				Orig. Ground Elev m:	73.5
Elev. Reliability Note:				DEM Ground Elev m:	72.3
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218393209			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	SOIL.
+					
Stratum ID:	218393210			Top Depth(m):	0.3
Bottom Depth(m):	0.9			Stratum Desc:	SAND. LOOSE.
+					
Stratum ID:	218393211			Top Depth(m):	0.9
Bottom Depth(m):	3.4			Stratum Desc:	CLAY. GREY,STIFF.

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	218393212			Top Depth(m):	3.4
Bottom Depth(m):	4.1			Stratum Desc:	CLAY. GREY,STIFF.
+					
Stratum ID:	218393213			Top Depth(m):	4.1
Bottom Depth(m):	5.3			Stratum Desc:	CLAY. GREY,SOFT.
+					
Stratum ID:	218393214			Top Depth(m):	5.3
Bottom Depth(m):	7.0			Stratum Desc:	TILL. LOOSE.
+					
Stratum ID:	218393215			Top Depth(m):	7.0
Bottom Depth(m):	8.7			Stratum Desc:	TILL. FIRM.
+					
Stratum ID:	218393216			Top Depth(m):	8.7
Bottom Depth(m):				Stratum Desc:	BEDROCK. 023. CLAY. GREY,FIRM. 00050 010 00360035052085004100350500650000 801300050024

60	1 of 1	ENE/214.6	79.0	1199 CARLING AVENUE, OTTAWA ON K1Z 8N3	INC
Incident ID:	2368840				
Incident Number:	217786				
SR Type:	FS-Incident				
Status Code:	Causal Analysis Complete				
Summary:	1199 CARLING AVENUE, OTTAWA - 1" PIPELINE HIT				
Drainage System:					
Sub Surface Contam.:					
Aff. Prop. Use Water:					
Contam. Migrated:					
Contact Natural Env.:					
Near Body of Water:					
Approx. Quant. Rel.:					
Equipment Model:					
Serial No:					
Residential App. Type:					
Commercial App. Type:					
Industrial App. Type:					
Institutional App. Type:					
Venting Type:					
Vent Connector Mater.:					
Vent Chimney Mater.:					
Notes:					
Pipeline Type:	Service / Riser Distribution Pipeline				
Pipeline Involved:					
Pipe Material:	Plastic				
Depth Ground Cover:	0.9				
Regulator Location:	Outside				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Operation Pressure:	60				
Pipeline Notes:					
Liquid Prop Make:					
Liquid Prop Model:					
Liquid Prop Serial No:					
Equipment Type:					
Cylinder Capacity:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac.: Liquid Prop Notes:					
61	1 of 1	N/141.2	75.0	ON	BORE
Borehole ID: 847314		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status: Decommissioned			
Drill Method: Diamond Drill		UTM Zone: 18			
Easting: 442553		Northing: 5026535			
Location Accuracy:		Orig. Ground Elev m: 74.1			
Elev. Reliability Note:		DEM Ground Elev m: 76.9			
Total Depth m: 9.4		Primary Name:			
Township: NEPEAN		Concession: CON 1 ON OTTAWA RIVER			
Lot: LOT 34		Municipality:			
Completion Date: 26-SEP-1958		Static Water Level: 4			
Primary Water Use:		Sec. Water Use:			
--- Details ---					
Stratum ID: 6556817		Top Depth(m): 0.0			
Bottom Depth(m): 4.3		Stratum Desc: FILL			
+					
Stratum ID: 6556818		Top Depth(m): 4.3			
Bottom Depth(m): 5.8		Stratum Desc: BOULDERS IN MEDIUM DENSE SANDY TILL			
+					
Stratum ID: 6556819		Top Depth(m): 5.8			
Bottom Depth(m): 6.5		Stratum Desc: DENSE SANDY TILL			
+					
Stratum ID: 6556820		Top Depth(m): 6.5			
Bottom Depth(m): 7.8		Stratum Desc: BOULDERS IN MEDIUM DENSE TILL			
+					
Stratum ID: 6556821		Top Depth(m): 7.8			
Bottom Depth(m): 9.4		Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 88%			
62	1 of 1	S/212.1	75.0	1282 Thames Street, Ottawa ON	PINC
Incident ID: 2766416					
Tank Status: RC Established					
Attribute Category: Excavation practices not sufficient					
Task Number: 3374560					
SR Type: FS-Pipeline Incident					
Incident Number: 609806					
Status Code: Pipeline Damage Reason Est					
Summary: 1282 Thames Street, Ottawa - 1/2" Pipeline Hit					
Spills Action Centre:					
Reported By: Armstrong, Alan - Enbridge					
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)					
75	erisinfo.com EcoLog ERIS Ltd. 1522569 17000 1255 Carling Avenue Ottawa ON			Order #: 20150729034	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Method Details:		E-mail			
Fuel Category:		Natural Gas			
Fuel Occurrence Type:		Pipeline Strike			
Date of Occurrence:		6/3/2011 0:00			
Occurrence Start Date:		2011/06/28			
Health Impact:		No			
Occurrence Desc:		trench collapsed			
Environment Impact:		No			
Property Damage:		Yes			
Service Interrupt:		Yes			
Fuel Type:		Natural Gas			
Enforce Policy:		Yes			
Operation Type:		Construction Site (pipeline strike)			
Damage Reason:		FS-Perform P-line Inc Invest			
Public Relation:		No			
Pipeline System:					
Pipeline Type:		Service / Riser Distribution Pipeline			
Depth:		40			
Pipe Material:		Plastic			
Regulator Location:		Outside			
PSIG:		53			
Regulator Type:		Service Regulator (up to 60 psi intake)			
Notes:		failed to support piping, trench collapsed			

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1 of 1

WSW/142.9

80.0

ON

BORE

Borehole ID:

847270

Use:

Geotechnical/Geological Investigation

Drill Method:

Diamond Drill

Easting:

442193

Location Accuracy:

Elev. Reliability Note:

Total Depth m:

14.6

Township:

NEPEAN

Lot:

LOT 32

Completion Date:

01-FEB-1958

Primary Water Use:

Details

Stratum ID:

6556443

Bottom Depth(m):

0.3

+

Stratum ID:

6556444

Bottom Depth(m):

1.2

+

Stratum ID:

6556445

Bottom Depth(m):

1.8

+

Stratum ID:

6556446

Bottom Depth(m):

2.3

+

Stratum ID:

6556447

Bottom Depth(m):

3.0

+

Type:

Borehole

Status:

Decommissioned

UTM Zone:

18

Northing:

5026035

Orig. Ground Elev m:

75.5

DEM Ground Elev m:

79.6

Primary Name:

Concession:

CON 1 ON OTTAWA RIVER

Municipality:

Static Water Level:

1.2

Sec. Water Use:

Top Depth(m):

0.0

Stratum Desc:

TOPSOIL

Top Depth(m):

0.3

Stratum Desc:

MEDIUM DENSE FINE SAND

Top Depth(m):

1.2

Stratum Desc:

LOOSE FINE SAND

Top Depth(m):

1.8

Stratum Desc:

VERY STIFF BROWNISH GRAY CLAY

Top Depth(m):

2.3

Stratum Desc:

STIFF FISSURED BROWNISH GRAY CLAY

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556448			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	MEDIUM SOFT FISSURED GRAY CLAY
+					
Stratum ID:	6556449			Top Depth(m):	4.6
Bottom Depth(m):	5.3			Stratum Desc:	MEDIUM SOFT FISSURED GRAY CLAY WITH SOME SILT
+					
Stratum ID:	6556450			Top Depth(m):	5.3
Bottom Depth(m):	5.9			Stratum Desc:	MEDIUM SOFT FISSURED SILTY GRAY CLAY
+					
Stratum ID:	6556451			Top Depth(m):	5.9
Bottom Depth(m):	6.9			Stratum Desc:	MEDIUM SOFT FISSURED SILTY GRAY CLAY WITH LAYERS OF WELL-GRADED SAND
+					
Stratum ID:	6556452			Top Depth(m):	6.9
Bottom Depth(m):	7.2			Stratum Desc:	LOOSE SANDY TILL
+					
Stratum ID:	6556453			Top Depth(m):	7.2
Bottom Depth(m):	8.0			Stratum Desc:	DENSE SANDY TILL
+					
Stratum ID:	6556454			Top Depth(m):	8.0
Bottom Depth(m):	8.7			Stratum Desc:	BOULDERS IN DENSE SANDY TILL
+					
Stratum ID:	6556455			Top Depth(m):	8.7
Bottom Depth(m):	10.8			Stratum Desc:	DENSE FINE SAND WITH SOME COARSE SAND AND A FEW STONES
+					
Stratum ID:	6556456			Top Depth(m):	10.8
Bottom Depth(m):	11.3			Stratum Desc:	WEATHERED SANDY LIMESTONE
+					
Stratum ID:	6556457			Top Depth(m):	11.3
Bottom Depth(m):	13.0			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 94%
+					
Stratum ID:	6556458			Top Depth(m):	13.0
Bottom Depth(m):	14.0			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 83%
+					
Stratum ID:	6556459			Top Depth(m):	14.0
Bottom Depth(m):	14.6			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 100%

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1 of 1

NNE/150.2

74.7

ON

BORE

Borehole ID: 612977
 Use:
 Drill Method:
 Easting: 442581
 Location Accuracy:
 Elev. Reliability Note:

Type: Borehole
 Status:
 UTM Zone: 18
 Northing: 5026532
 Orig. Ground Elev m: 73.7
 DEM Ground Elev m: 74.9

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Order #: 20150729034

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Total Depth m:	-999			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:				Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218393217			Top Depth(m):	0.0
Bottom Depth(m):	0.9			Stratum Desc:	FILL.
+					
Stratum ID:	218393218			Top Depth(m):	0.9
Bottom Depth(m):	2.1			Stratum Desc:	CLAY. GREY,HARD.
+					
Stratum ID:	218393219			Top Depth(m):	2.1
Bottom Depth(m):	3.0			Stratum Desc:	CLAY. GREY,STIFF.
+					
Stratum ID:	218393220			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	CLAY. GREY,SOFT.
+					
Stratum ID:	218393221			Top Depth(m):	4.6
Bottom Depth(m):	6.6			Stratum Desc:	TILL. LOOSE.
+					
Stratum ID:	218393222			Top Depth(m):	6.6
Bottom Depth(m):				Stratum Desc:	BEDROCK. TILL. FIRM. BEDROCK. 023. CLAY. GREY,FIRM. 00050 010 003600350520850

65	1 of 1	NNE/155.5	74.0	ON	BORE
Borehole ID:	612978			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18
Easting:	442591			Northing:	5026532
Location Accuracy:				Orig. Ground Elev m:	74.2
Elev. Reliability Note:				DEM Ground Elev m:	73.7
Total Depth m:	7.5			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	OCT-1958			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218393229			Top Depth(m):	7.0
Bottom Depth(m):	7.5			Stratum Desc:	BEDROCK.00000 020 00080 009 00000016FIRM. 00050 010 0036003505208500410035050065
+					
Stratum ID:	218393226			Top Depth(m):	4.6
Bottom Depth(m):	5.3			Stratum Desc:	BEDROCK. WEATHERED.
+					
Stratum ID:	218393227			Top Depth(m):	5.3
Bottom Depth(m):	5.9			Stratum Desc:	BEDROCK.
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	218393228			Top Depth(m):	5.9
Bottom Depth(m):	7.0			Stratum Desc:	BEDROCK.
+					
Stratum ID:	218393223			Top Depth(m):	0.0
Bottom Depth(m):	2.0			Stratum Desc:	ARTIFICIAL.
+					
Stratum ID:	218393224			Top Depth(m):	2.0
Bottom Depth(m):	2.4			Stratum Desc:	UNSPECIFIED. DENSE.
+					
Stratum ID:	218393225			Top Depth(m):	2.4
Bottom Depth(m):	4.6			Stratum Desc:	UNSPECIFIED.
66	1 of 1	SW/158.5	75.0	lot 33 con 1 ON	WWIS
Well ID:	1503974			Lot:	033
Concession:	01			Concession Name:	OF
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY (NEPEAN)
Easting Nad83:	442290.7			Northing Nad83:	5025922
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	21-MAR-48
Sec. Water Use:				Well Depth:	41 ft
Pump Rate:	7 GPM			Static Water Level:	1 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	74.85			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:				Original Depth:	41 ft
Material Colour:	GRAVEL			Material:	2 ft
+					
Thickness:				Original Depth:	39 ft
Material Colour:	CLAY			Material:	39 ft
67	1 of 1	SE/240.9	76.0	PRIVATE OWNER 197 CERAR AVE FURNACE OIL TANK OTTAWA CITY ON	SPL
Ref No.:	30503				
Incident Dt:	2/1/1990				
MOE Reported Dt:	2/2/1990				
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:	TEXACO -HOME HEATING TANKRUPTURED,136 LTR TO SEWER-CONTAINED.				
Incident Cause:	OTHER CONTAINER LEAK				
Incident Reason:	OVERSTRESS/OVERPRESSURE				
Nature of Impact:					
Receiving Medium:	LAND				
Environmental Impact:	POSSIBLE				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
68	1 of 1	S/207.7	74.6	PRIVATE OWNER IN FRONT OF 1292 THAMES STREET MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON K1Z 7N4	SPL
Ref No.: 173371 Incident Dt: 10/2/1999 MOE Reported Dt: 10/2/1999 Contaminant Name: Contaminant Quantity: Incident Summary: PRIVATE AUTO-45 LITERS GASOLINE TO ROADWAY AND CATCHBASIN,FD. Incident Cause: CONTAINER OVERFLOW Incident Reason: UNKNOWN Nature of Impact: Water course or lake Receiving Medium: LAND / WATER Environmental Impact: POSSIBLE					
69	1 of 1	N/151.3	74.4	ON	BORE
Borehole ID: 847316 Use: Geotechnical/Geological Investigation Drill Method: Diamond Drill Easting: 442538 Location Accuracy: Elev. Reliability Note: Total Depth m: 7.6 Township: NEPEAN Lot: LOT 34 Completion Date: 30-SEP-1958 Primary Water Use: Type: Borehole Status: Decommissioned UTM Zone: 18 Northing: 5026550 Orig. Ground Elev m: 71.5 DEM Ground Elev m: 75.6 Primary Name: Concession: CON 1 ON OTTAWA RIVER Municipality: Static Water Level: 2 Sec. Water Use: --- Details --- Stratum ID: 6556831 Bottom Depth(m): 0.3 + Stratum ID: 6556832 Bottom Depth(m): 1.2 + Stratum ID: 6556833 Bottom Depth(m): 5.7 + Stratum ID: 6556834 Bottom Depth(m): 5.9 + Stratum ID: 6556835 Bottom Depth(m): 6.9 + Stratum ID: 6556836 Bottom Depth(m): 7.6 Top Depth(m): 0.0 Stratum Desc: TOPSOIL Top Depth(m): 0.3 Stratum Desc: LOOSE TILL Top Depth(m): 1.2 Stratum Desc: MEDIUM DENSE TILL Top Depth(m): 5.7 Stratum Desc: WEATHERED ROCK Top Depth(m): 5.9 Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 67% Top Depth(m): 6.9 Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 85%					
70	1 of 1	NNE/161.9	74.9	ON	BORE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<hr/>					
Borehole ID:	847312			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442580			Northing:	5026546
Location Accuracy:				Orig. Ground Elev m:	74.2
Elev. Reliability Note:				DEM Ground Elev m:	74.1
Total Depth m:	7.6			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 34			Municipality:	
Completion Date:	03-OCT-1958			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556800			Top Depth(m):	0.0
Bottom Depth(m):	2.0			Stratum Desc:	FILL
+					
Stratum ID:	6556801			Top Depth(m):	2.0
Bottom Depth(m):	2.4			Stratum Desc:	MEDIUM DENSE TILL
+					
Stratum ID:	6556802			Top Depth(m):	2.4
Bottom Depth(m):	4.6			Stratum Desc:	DENSE TILL
+					
Stratum ID:	6556803			Top Depth(m):	4.6
Bottom Depth(m):	5.3			Stratum Desc:	WEATHERED ROCK AND TILL
+					
Stratum ID:	6556804			Top Depth(m):	5.3
Bottom Depth(m):	5.9			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 29%
+					
Stratum ID:	6556805			Top Depth(m):	5.9
Bottom Depth(m):	7.0			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 58%
+					
Stratum ID:	6556806			Top Depth(m):	7.0
Bottom Depth(m):	7.6			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 88%
<hr/>					
<u>71</u>	1 of 1	WSW/157.8	80.0	ON	BORE
<hr/>					
Borehole ID:	847272			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442183			Northing:	5026021
Location Accuracy:				Orig. Ground Elev m:	75.4
Elev. Reliability Note:				DEM Ground Elev m:	78.5
Total Depth m:	14.8			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 32			Municipality:	
Completion Date:	01-FEB-1958			Static Water Level:	2.7
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556470			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	6556471			Top Depth(m):	0.3
Bottom Depth(m):	0.9			Stratum Desc:	LOOSE FINE SAND
+					
Stratum ID:	6556472			Top Depth(m):	0.9
Bottom Depth(m):	1.8			Stratum Desc:	MEDIUM DENSE FINE SAND
+					
Stratum ID:	6556473			Top Depth(m):	1.8
Bottom Depth(m):	3.0			Stratum Desc:	STIFF FISSURED BROWNISH GRAY CLAY
+					
Stratum ID:	6556474			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	MEDIUM SOFT FISSURED GRAY CLAY
+					
Stratum ID:	6556475			Top Depth(m):	4.6
Bottom Depth(m):	5.3			Stratum Desc:	MEDIUM SOFT SLIGHTLY FISSURED SILTY GRAY CLAY
+					
Stratum ID:	6556476			Top Depth(m):	5.3
Bottom Depth(m):	6.4			Stratum Desc:	MEDIUM SOFT FISSURED SILTY GRAY CLAY WITH SOME SAND LAYERS AND A FEW STONES
+					
Stratum ID:	6556477			Top Depth(m):	6.4
Bottom Depth(m):	7.6			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556478			Top Depth(m):	7.6
Bottom Depth(m):	8.4			Stratum Desc:	MEDIUM DENSE SANDY TILL
+					
Stratum ID:	6556479			Top Depth(m):	8.4
Bottom Depth(m):	11.0			Stratum Desc:	DENSE FINE SAND WITH SOME COARSE SAND AND A FEW STONES
+					
Stratum ID:	6556480			Top Depth(m):	11.0
Bottom Depth(m):	11.7			Stratum Desc:	BOULDERS IN DENSE SANDY TILL
+					
Stratum ID:	6556481			Top Depth(m):	11.7
Bottom Depth(m):	13.3			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 88%
+					
Stratum ID:	6556482			Top Depth(m):	13.3
Bottom Depth(m):	14.8			Stratum Desc:	SHALEY LIMESTONE CORE RECOVERY 90%

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SSW/183.6

74.0

**TRANSPORT TRUCK
1376 CARLING AVE. TRANSPORT TRUCK
(CARGO)
OTTAWA CITY ON K1Z 7L5**

SPL

Ref No.: 133672
Incident Dt: 10/30/1996
MOE Reported Dt: 10/30/1996

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Contaminant Name: Contaminant Quantity: Incident Summary: GW FREIGHTWAYS-10 L CONC.JAVEX TO GROUND & SEWER FROM TRUCK,FLUSHED BY FD. Incident Cause: OTHER CONTAINER LEAK Incident Reason: OTHER Nature of Impact: Receiving Medium: LAND / WATER Environmental Impact: NOT ANTICIPATED					
73	1 of 1	NNE/167.7	75.0	ON	BORE
Borehole ID: 847315 Use: Geotechnical/Geological Investigation Drill Method: Diamond Drill Easting: 442565 Location Accuracy: Elev. Reliability Note: Total Depth m: 8.7 Township: NEPEAN Lot: LOT 34 Completion Date: 30-SEP-1958 Primary Water Use:		Type: Borehole Status: Decommissioned UTM Zone: 18 Northing: 5026559 Orig. Ground Elev m: 74.2 DEM Ground Elev m: 76.1 Primary Name: Concession: CON 1 ON OTTAWA RIVER Municipality: Static Water Level: 6 Sec. Water Use:			
--- Details ---					
Stratum ID: 6556822 Bottom Depth(m): 0.8 +		Top Depth(m): 0.0 Stratum Desc: FILL			
Stratum ID: 6556823 Bottom Depth(m): 1.5 +		Top Depth(m): 0.8 Stratum Desc: LOOSE FINE SAND			
Stratum ID: 6556824 Bottom Depth(m): 2.0 +		Top Depth(m): 1.5 Stratum Desc: MEDIUM DENSE CLAYEY FINE SAND			
Stratum ID: 6556825 Bottom Depth(m): 2.7 +		Top Depth(m): 2.0 Stratum Desc: MEDIUM DENSE TILL			
Stratum ID: 6556826 Bottom Depth(m): 4.7 +		Top Depth(m): 2.7 Stratum Desc: DENSE SANDY TILL			
Stratum ID: 6556827 Bottom Depth(m): 5.3 +		Top Depth(m): 4.7 Stratum Desc: MEDIUM DENSE TILL			
Stratum ID: 6556828 Bottom Depth(m): 7.3 +		Top Depth(m): 5.3 Stratum Desc: BOULDERS IN DENSE TILL			
Stratum ID: 6556829 Bottom Depth(m): 7.9 +		Top Depth(m): 7.3 Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 89%			
Stratum ID: 6556830 Bottom Depth(m): 8.7		Top Depth(m): 7.9 Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 97%			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
74	1 of 1	SW/165.5	75.0	ON	BORE
Borehole ID: 848113				Type: Borehole	
Use: Geotechnical/Geological Investigation				Status: Decommissioned	
Drill Method: Diamond Drill				UTM Zone: 18	
Easting: 442239				Northing: 5025938	
Location Accuracy:				Orig. Ground Elev m: 75.8	
Elev. Reliability Note:				DEM Ground Elev m: 75.7	
Total Depth m: 18.4				Primary Name:	
Township: NEPEAN				Concession: CON 1 ON OTTAWA RIVER	
Lot: LOT 32				Municipality:	
Completion Date: 21-MAR-1975				Static Water Level: -999.9	
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID: 6559994				Top Depth(m): 0.0	
Bottom Depth(m): 0.2				Stratum Desc: TOPSOIL	
+					
Stratum ID: 6559995				Top Depth(m): 0.2	
Bottom Depth(m): 1.5				Stratum Desc: LOOSE BROWN SILTY SAND, TRACE GRAVEL (FILL)	
+					
Stratum ID: 6559996				Top Depth(m): 1.5	
Bottom Depth(m): 1.9				Stratum Desc: LOOSE ORGANIC SILTY SAND	
+					
Stratum ID: 6559997				Top Depth(m): 1.9	
Bottom Depth(m): 4.9				Stratum Desc: FIRM GREY SILTY CLAY	
+					
Stratum ID: 6559998				Top Depth(m): 4.9	
Bottom Depth(m): 8.2				Stratum Desc: COMPACT TO VERY DENSE GREY SANDY SILT WITH GRAVEL, TRACE CLAY (TILL)	
+					
Stratum ID: 6559999				Top Depth(m): 8.2	
Bottom Depth(m): 10.6				Stratum Desc: VERY DENSE GREY SILTY SAND WITH GRAVEL TRACE CLAY, SOME COBBLES AND BOULDERS (TILL)	
+					
Stratum ID: 6560000				Top Depth(m): 10.6	
Bottom Depth(m): 18.4				Stratum Desc: FAIRLY SOUND TO SOUND GREY FINE TO MEDIUM GRAINED LIMESTONE BEDROCK SOME SHALE AND DOLOMITE BANDS	
75	1 of 1	N/174.1	73.2	ON	BORE
Borehole ID: 847319				Type: Borehole	
Use: Geotechnical/Geological Investigation				Status: Decommissioned	
Drill Method: Diamond Drill				UTM Zone: 18	
Easting: 442537				Northing: 5026574	
Location Accuracy:				Orig. Ground Elev m: 73.4	
Elev. Reliability Note:				DEM Ground Elev m: 74.7	
Total Depth m: 6.4				Primary Name:	
Township: NEPEAN				Concession: CON 1 ON OTTAWA RIVER	
84	erisinfo.com EcoLog ERIS Ltd. 1522569 17000 1255 Carling Avenue Ottawa ON			Order #: 20150729034	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Lot: Completion Date: Primary Water Use:	LOT 34 07-OCT-1958			Municipality: Static Water Level: 3.5 Sec. Water Use:	
--- Details ---					
Stratum ID:	6556854			Top Depth(m): 0.0	
Bottom Depth(m):	1.5			Stratum Desc: FILL	
+					
Stratum ID:	6556855			Top Depth(m): 1.5	
Bottom Depth(m):	1.8			Stratum Desc: MEDIUM DENSE TILL	
+					
Stratum ID:	6556856			Top Depth(m): 1.8	
Bottom Depth(m):	4.6			Stratum Desc: DENSE TILL	
+					
Stratum ID:	6556857			Top Depth(m): 4.6	
Bottom Depth(m):	5.3			Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 50%	
+					
Stratum ID:	6556858			Top Depth(m): 5.3	
Bottom Depth(m):	5.8			Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 67%	
+					
Stratum ID:	6556859			Top Depth(m): 5.8	
Bottom Depth(m):	6.4			Stratum Desc: SHALEY LIMESTONE, CORE RECOVERY 46%	

<u>76</u>	1 of 1	SW/181.0	76.1	ON	BORE
Borehole ID:	801036			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Boring			UTM Zone:	18
Easting:	442220.76			Northing:	5025931.67
Location Accuracy:				Orig. Ground Elev m:	75.8
Elev. Reliability Note:				DEM Ground Elev m:	75.4
Total Depth m:	18.4			Primary Name:	BH W27
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	21-MAR-1975			Static Water Level:	2.8
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566491			Top Depth(m): 0.0	
Bottom Depth(m):	0.2			Stratum Desc: Topsoil	
+					
Stratum ID:	218566492			Top Depth(m): 0.2	
Bottom Depth(m):	1.5			Stratum Desc: Brown Loose Fill-Misc Silt - Sand Trace: Gr	
+					
Stratum ID:	218566493			Top Depth(m): 1.5	
Bottom Depth(m):	1.9			Stratum Desc: Loose Silt - Sand With: Org M	
+					
Stratum ID:	218566494			Top Depth(m): 1.9	
Bottom Depth(m):	4.9			Stratum Desc: Grey Firm Silty Clay	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Stratum ID:	218566495			Top Depth(m):	4.9
Bottom Depth(m):	8.2			Stratum Desc:	Grey Compact to Very Dense Till sand silt With: Gr Trace: Cl
+					
Stratum ID:	218566496			Top Depth(m):	8.2
Bottom Depth(m):	10.6			Stratum Desc:	Grey Very Dense Till Silt - Sand With: Gr W Cob W Blds Trace: Cl
+					
Stratum ID:	218566497			Top Depth(m):	10.6
Bottom Depth(m):	18.4			Stratum Desc:	Grey Bedrock Dolomitic Limestone fine to medium grained

<u>77</u>	1 of 1	NNE/193.8	75.0	ON	BORE
Borehole ID:	847313			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442594			Northing:	5026575
Location Accuracy:				Orig. Ground Elev m:	74.6
Elev. Reliability Note:				DEM Ground Elev m:	73.4
Total Depth m:	9.5			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 34			Municipality:	
Completion Date:	08-OCT-1958			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556807			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6556808			Top Depth(m):	0.3
Bottom Depth(m):	0.9			Stratum Desc:	LOOSE FINE SAND
+					
Stratum ID:	6556809			Top Depth(m):	0.9
Bottom Depth(m):	1.5			Stratum Desc:	MEDIUM DENSE SAND
+					
Stratum ID:	6556810			Top Depth(m):	1.5
Bottom Depth(m):	2.3			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556811			Top Depth(m):	2.3
Bottom Depth(m):	4.9			Stratum Desc:	DENSE TILL
+					
Stratum ID:	6556812			Top Depth(m):	4.9
Bottom Depth(m):	5.4			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 60%
+					
Stratum ID:	6556813			Top Depth(m):	5.4
Bottom Depth(m):	5.9			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 59%
+					
Stratum ID:	6556814			Top Depth(m):	5.9
Bottom Depth(m):	6.6			Stratum Desc:	SHALEY LIMESTONE, CORE

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
					RECOVERY 62%
+					
Stratum ID:	6556815			Top Depth(m):	6.6
Bottom Depth(m):	8.4			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 29%
+					
Stratum ID:	6556816			Top Depth(m):	8.4
Bottom Depth(m):	9.5			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 100%

78	1 of 1	N/188.5	72.5	ON	BORE
Borehole ID:	801117			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Hollow stem auger			UTM Zone:	18
Easting:	442538.02			Northing:	5026588.17
Location Accuracy:				Orig. Ground Elev m:	73.2
Elev. Reliability Note:				DEM Ground Elev m:	72.5
Total Depth m:	7.3			Primary Name:	BH W38
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	09-JUN-1975			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566862			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
+					
Stratum ID:	218566863			Top Depth(m):	0.1
Bottom Depth(m):	0.9			Stratum Desc:	Dark Brown Fill-Misc sand silt With: Blds
+					
Stratum ID:	218566864			Top Depth(m):	0.9
Bottom Depth(m):	1.2			Stratum Desc:	clay silt With: Org M
+					
Stratum ID:	218566865			Top Depth(m):	1.2
Bottom Depth(m):	4.0			Stratum Desc:	Brown Loose to Dense Till sand silt With: Cl W Gr W Blds
+					
Stratum ID:	218566866			Top Depth(m):	4.0
Bottom Depth(m):	5.8			Stratum Desc:	Grey Bedrock Limestone fractured
+					
Stratum ID:	218566867			Top Depth(m):	5.8
Bottom Depth(m):	7.3			Stratum Desc:	Grey Bedrock Limestone

79	1 of 1	S/241.6	74.3	1308 Thames Ottawa ON	EHS
Order No.:	20131031036				
Report Date:	11-NOV-13				
Report Type:	Standard Report				
Search Radius (km):	.25				
Addit. Info Ordered:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
80	1 of 1	WSW/207.4	78.7	ON	WWIS
Well ID:	1507980			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	442120.7			Northing Nad83:	5026072
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	10-JUL-51
Sec. Water Use:				Well Depth:	75 ft
Pump Rate:	2 GPM			Static Water Level:	5 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Diamond			Flowing (y/n):	N
Elevation (m):	76.27			Elevation Reliability:	
Depth to Bedrock:	5			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	5 ft
Material Colour:	GRAVEL, CLAY			Material:	5 ft
+					
Thickness:				Original Depth:	75 ft
Material Colour:	LIMESTONE			Material:	70 ft
81	1 of 1	SSW/244.1	73.2	Custom Plastics Inc. 1325 Thames St Ottawa ON K1Z 7N2	SCT
Established:	1998				
Plant Size (ft²):					
Employment:	7				
--- Details ---					
SIC/NAICS Code:	326198				
Description:	All Other Plastic Product Manufacturing				
82	1 of 1	NNE/242.2	75.8	ON	BORE
Borehole ID:	848111			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442709			Northing:	5026545
Location Accuracy:				Orig. Ground Elev m:	73.8
Elev. Reliability Note:				DEM Ground Elev m:	76
Total Depth m:	18			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 34			Municipality:	
Completion Date:	25-MAR-1975			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6559980			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	ASPHALT
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6559981			Top Depth(m):	0.2
Bottom Depth(m):	2.9			Stratum Desc:	FIRM BROWN SILTY CLAY WITH GRAVEL, BRICKS, WOOD (FILL)
+					
Stratum ID:	6559982			Top Depth(m):	2.9
Bottom Depth(m):	4.9			Stratum Desc:	FIRM TO STIFF GREY SILTY CLAY
+					
Stratum ID:	6559983			Top Depth(m):	4.9
Bottom Depth(m):	6.7			Stratum Desc:	DENSE TO VERY DENSE GREY SANDY SILT WITH GRAVEL, SOME CLAY (TILL)
+					
Stratum ID:	6559984			Top Depth(m):	6.7
Bottom Depth(m):	13.7			Stratum Desc:	COMPACT TO VERY DENSE GREY SILTY SAND WITH GRAVEL, TRACE CLAY, NUMEROUS COBBLES AND BOULDERS (TILL)
+					
Stratum ID:	6559985			Top Depth(m):	13.7
Bottom Depth(m):	15.2			Stratum Desc:	FRACTURED GREY FINE GRAINED LIMESTONE BEDROCK
+					
Stratum ID:	6559986			Top Depth(m):	15.2
Bottom Depth(m):	18.0			Stratum Desc:	FRACTURED TO FAIRLY SOUND GREY FINE GRAINED LIMESTONE BEDROCK

83

1 of 1

N/212.6

74.1

ON

BORE

Borehole ID: 847320
 Use: Geotechnical/Geological Investigation
 Drill Method: Diamond Drill
 Easting: 442570
 Location Accuracy:
 Elev. Reliability Note:
 Total Depth m: 8.1
 Township: NEPEAN
 Lot: LOT 34
 Completion Date: 10-OCT-1958
 Primary Water Use:

Type: Borehole
 Status: Decommissioned
 UTM Zone: 18
 Northing: 5026605
 Orig. Ground Elev m: 72.6
 DEM Ground Elev m: 75.4
 Primary Name:
 Concession: CON 1 ON OTTAWA RIVER
 Municipality:
 Static Water Level: 4.6
 Sec. Water Use:

--- Details ---

Stratum ID: 6556860
 Bottom Depth(m): 0.5

Top Depth(m): 0.0
 Stratum Desc: TOPSOIL

+
 Stratum ID: 6556861
 Bottom Depth(m): 1.1

Top Depth(m): 0.5
 Stratum Desc: LOOSE TILL

+
 Stratum ID: 6556862
 Bottom Depth(m): 3.0

Top Depth(m): 1.1
 Stratum Desc: MEDIUM DENSE TILL

+
 Stratum ID: 6556863
 Bottom Depth(m): 4.7

Top Depth(m): 3.0
 Stratum Desc: DENSE TILL

+

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Stratum ID:	6556864			Top Depth(m):	4.7
Bottom Depth(m):	5.8			Stratum Desc:	DENSE TILL AND WEATHERED ROCK
+					
Stratum ID:	6556865			Top Depth(m):	5.8
Bottom Depth(m):	6.2			Stratum Desc:	MEDIUM DENSE TILL
+					
Stratum ID:	6556866			Top Depth(m):	6.2
Bottom Depth(m):	6.7			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 71%
+					
Stratum ID:	6556867			Top Depth(m):	6.7
Bottom Depth(m):	7.3			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 67%
+					
Stratum ID:	6556868			Top Depth(m):	7.3
Bottom Depth(m):	8.1			Stratum Desc:	SHALEY LIMESTONE, CORE RECOVERY 100%

84	1 of 1	NNE/248.6	75.0	ON	BORE
Borehole ID:	801054			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Boring			UTM Zone:	18
Easting:	442699.42			Northing:	5026564.17
Location Accuracy:				Orig. Ground Elev m:	76.7
Elev. Reliability Note:				DEM Ground Elev m:	75.3
Total Depth m:	18.4			Primary Name:	BH W29
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	03-APR-1975			Static Water Level:	2.5
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218566576			Top Depth(m):	0.0
Bottom Depth(m):	0.2			Stratum Desc:	Topsoil
+					
Stratum ID:	218566577			Top Depth(m):	0.2
Bottom Depth(m):	1.2			Stratum Desc:	Brown Stiff Weathered Crust Silty Clay
+					
Stratum ID:	218566578			Top Depth(m):	1.2
Bottom Depth(m):	3.2			Stratum Desc:	Grey-Brown Very Dense Till sand silt With: Gr W Blds
+					
Stratum ID:	218566579			Top Depth(m):	3.2
Bottom Depth(m):	18.4			Stratum Desc:	Grey Bedrock Dolomitic Limestone fine to medium grained

85	1 of 2	WSW/234.3	79.0	ON	BORE
Borehole ID:	612923			Type:	Borehole
Use:				Status:	
Drill Method:				UTM Zone:	18

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting:	442096			Northing:	5026052
Location Accuracy:				Orig. Ground Elev m:	76.2
Elev. Reliability Note:				DEM Ground Elev m:	76.1
Total Depth m:	23.5			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	JUL-1951			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	218392987			Top Depth(m):	0.0
Bottom Depth(m):	1.8			Stratum Desc:	SILT.
+					
Stratum ID:	218392988			Top Depth(m):	1.8
Bottom Depth(m):	23.5			Stratum Desc:	LIMESTONE. BLUE. 00100UNSPECIFIED. DENSE. SAND. DENSE. BEDROCK. 00000 030 00050

85	2 of 2	WSW/234.3	79.0	ON	WWIS
Well ID:	1507982			Lot:	
Concession:				Concession Name:	
County:	OTTAWA-CARLETON			Municipality:	OTTAWA CITY
Easting Nad83:	442095.7			Northing Nad83:	5026052
Zone:	18			Utm Reliability:	unknown UTM
Primary Water Use:	Domestic			Construction Date:	16-JUL-51
Sec. Water Use:				Well Depth:	77 ft
Pump Rate:	4 GPM			Static Water Level:	6 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	76.07			Elevation Reliability:	
Depth to Bedrock:	6			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:				Original Depth:	6 ft
Material Colour:	SILT			Material:	6 ft
+					
Thickness:				Original Depth:	77 ft
Material Colour:	LIMESTONE			Material:	71 ft

86	1 of 1	N/228.7	70.0	611 ISLAND PARK CRESCENT OTTAWA ON K1Y 3P4	HINC
External File Num:	FS INC 0804-01856				
Date of Occurrence:	4/23/2008				
Fuel Occurrence Type:	Pipeline Strike				
Fuel Type Involved:	Natural Gas				
Status Desc:	Completed - Causal Analysis(End)				
Job Type Desc:	Incident/Near-Miss Occurrence (FS)				
Oper. Type Involved:	Construction Site (pipeline strike)				
Service Interruptions:	Yes				
Property Damage:	Yes				
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Root Cause:		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:Yes Management:Yes Human Factors:Yes			
Reported Details:					
Fuel Category:		Gaseous Fuel			
Occurrence Type:		Incident			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
County Name:		Ottawa			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					

87	1 of 1	NNE/233.8	75.8	ON	BORE
Borehole ID:	847324			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	442614			Northing:	5026610
Location Accuracy:				Orig. Ground Elev m:	73.8
Elev. Reliability Note:				DEM Ground Elev m:	74.8
Total Depth m:	5.4			Primary Name:	
Township:	NEPEAN			Concession:	CON 1 ON OTTAWA RIVER
Lot:	LOT 34			Municipality:	
Completion Date:	14-OCT-1958			Static Water Level:	4.3
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	6556887			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
+					
Stratum ID:	6556888			Top Depth(m):	0.3
Bottom Depth(m):	1.5			Stratum Desc:	LOOSE TILL
+					
Stratum ID:	6556889			Top Depth(m):	1.5
Bottom Depth(m):	3.2			Stratum Desc:	MEDIUM DENSE TILL
+					
Stratum ID:	6556890			Top Depth(m):	3.2
Bottom Depth(m):	4.5			Stratum Desc:	DENSE TILL
+					
Stratum ID:	6556891			Top Depth(m):	4.5
Bottom Depth(m):	5.4			Stratum Desc:	DENSE TILL AND WEATHERED ROCK

88	1 of 1	WSW/230.7	79.0	1395 Carling Ave, Nepean PETRO CANADA GAS STATION # 0056A<UNOFFICIAL> Ottawa ON K1Z 7L6	SPL
Ref No.:	1838-6LZT85				
Incident Dt:	2/14/2006				
MOE Reported Dt:	2/14/2006				
Contaminant Name:	GASOLINE				
Contaminant Quantity:	n/a n/a				
Incident Summary:	Petro Can Gas Stn: gasoline leak from UG line				
Incident Cause:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Incident Reason: Nature of Impact: Other Impact(s) Receiving Medium: Land & Water Environmental Impact: Possible					
89	1 of 3	WSW/240.4	79.0	DEVAN PROPERTIES LIMITED 1377-1427 CARLING AVE., SWM OTTAWA ON K1Z 7L6	CA
Certificate #: Application Year: 3-1188-98-98 Issue Date: 9/4/1998 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
89	2 of 3	WSW/240.4	79.0	DEVAN PROPERTIES LIMITED 1377-1427 CARLING AVENUE, SWM OTTAWA CITY ON K1Z 7L6	CA
Certificate #: Application Year: 3-0515-97-97 Issue Date: 6/19/1997 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
89	3 of 3	WSW/240.4	79.0	1377-1427 Carling Avenue Ottawa ON K1Z 7L6	EHS
Order No.: 20080924056 Report Date: 9/30/2008 Report Type: Custom Report Search Radius (km): 0.25 Addit. Info Ordered: Fire Insur. Maps and/or Site Plans					

Unplottable Summary

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Merivale Road between Island Park Crescent and Carling Avenue	Ottawa ON	
CA	City of Ottawa	Works within an easement adjacent to Merivale Rd	Ottawa ON	
CA	L.SIPOLINS	SOUTH OF CARLING AVE.	OTTAWA CITY ON	
CA	REG.MUN.OF OTTAWA-CARLETON	QUEENSWAY N.	OTTAWA ON	
CA	City of Ottawa	Merival Road from Carling Avenue to Geneva St	Ottawa ON	
CA	City of Ottawa	Carling Avenue (Road allownce)	Ottawa ON	
CA	City of Ottawa	Carling Ave	Ottawa ON	
CA	City of Ottawa	Thames Street From Merivale Road to Dead end	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	ISLAND PARK DR.	OTTAWA CITY ON	
ECA	City of Ottawa	Carling Avenue	Ottawa ON	
EHS		Highway 417, CN Rail	Ottawa ON	
EHS		Hwy 417	Ottawa ON	
EHS		Carling Ave N Of, Grandview Rd	Ottawa ON	
EHS		Carling Ave N of Grandview Dr W	Ottawa ON	
GEN	7770251 CANADA INC	MERIVALE ROAD	OTTAWA ON	
GEN	HARZENA HOLDING LTD. 19-383	MERIVALE RD. FARM, LOT 19 RF, CONC. 1	OTTAWA ON	
GEN	PITTS ENGINEERING CONSTRUCTION 31-354	BANISTER CONT. LTD. C/O BOX 8008 OTTAWA	OTTAWA-CARLETON ON	
GEN	PETRO-CANADA PRODUCTS	OTTAWA TERMINAL - GULF	OTTAWA ON	

GEN	Ecoplans Limited	Highway 417 West onramp accessed off Moodie Drive	Ottawa ON
GEN	HARZENA HOLDING LTD.	MERIVALE RD. FARM, LOT 19 RF, CONC. 1	OTTAWA ON
GEN	PITTS (OUT OF BUS) 31-354	BANISTER CONT. LTD. C/O BOX 8008 OTTAWA	OTTAWA-CARLETON ON
GEN	PITTS ENGINEERING CONSTRUCTION	BANISTER CONT. LTD. C/O BOX 8008 OTTAWA	OTTAWA-CARLETON ON
GEN	National Capital Commission	Bate Island	Ottawa ON
GEN	R.W Tomlinson	LRT Central Site	ottawa ON
GEN	GVT OF CAN-HEALTH&WELFARE CAN.MED.16-303	SER.BR,UNIT#25,RM B-16, CARLING AVE.	OTTAWA ON
PRT	SHELL CANADA PRODUCTS LTD	MERIVALE RD	OTTAWA ON
PTTW	AECON Construction & Materials Ltd.	30m north of the north-east corner of the Mississippi River and Highway #17	Ottawa ON
RST	MR GAS LTD	HWY 17 ARNPRIOR	OTTAWA ON
SPL	Loblaws Company East<UNOFFICIAL>	Queensway, from Greenbank Exit to 1735 Iris Road	Ottawa ON
SPL	TRANSPORT TRUCK	QUEENSWAY	OTTAWA CITY ON
SPL	UNKNOWN	BLAIR STATION AND QUEENSWAY	OTTAWA CITY ON
SPL	City of Ottawa	Merivale Rd Southbound, just before Meadowlands	Ottawa ON
SPL	Penske Truck Leasing Canada Inc.	Hwy 417 east, at exit 88, Vars	Ottawa ON
SPL		central transit way adjacent to hwy 417 between nicholas ave and lees ave	Ottawa ON
SPL		Hwy 417 to the corner of Rideau and King Edward	Ottawa ON
SPL	Drain-All Ltd.	Hwy 417 Westbound near Carling off-ramp	Ottawa ON
SPL	City of Ottawa	Hwy 417 West bound, between the Carling Ave Exit and the Maitland Exit	Ottawa ON
SPL		Hwy 417 Under Overpass @ Castlefrank Road	Ottawa ON
SPL	Purolator Courier Ltd.	Hwy 417 Eastbound @ Mile Marker 180	Ottawa ON

SPL	Glenview Iron and Steel Ltd.<UNOFFICIAL>	Hwy 417 - Woodroffe W. Bnd, On-Ramp	Ottawa ON
SPL	Unisource Canada, Inc.	HWY 417-West near Km 117 on the Vanier Prk Way,	Ottawa ON
SPL	Enbridge Gas Distribution Inc.	HWY 417 at Vars Bridge	Ottawa ON
SPL		417 eastbound, east of exit 104	Ottawa ON
SPL	S. 21(1)(f)	Hwy 417 E between Vanier Parkway and St. Laurent<UNOFFICIAL>	Ottawa ON
SPL		417 EASTBOUND - NICHOLAS ON RAMP<UNOFFICIAL>	Ottawa ON
SPL	CITY OF OTTAWA SNOW PLOW<UNOFFICIAL>	TERRY FOX DRIVE AT THE HWY. 417 OVERPASS<UNOFFICIAL>	Ottawa ON
SPL	Sita Ontario Inc.	Highway 417(westbound) and Moodie Drive ramp	Ottawa ON
SPL	Wilway Transport<UNOFFICIAL>	Highway 417 eastbound, panmure exit(exit 162)	Ottawa ON
SPL	Thermal Shell	Highway 417 West of Eagleson Rd	Ottawa ON
SPL	Waste Services Inc.	Highway 417 East bound West of Terry Fox	Ottawa ON
SPL	City of Ottawa	Highway 417	Ottawa ON
SPL	TRANSPORT TRUCK	HWY. 417	OTTAWA ON
SPL		HWY 417 ONRAMP AT TERRY FOX EXIT<UNOFFICIAL>	Ottawa ON
SPL	LECLAIR FUELS LTD.	HWY 417 BTWN INNIS & PKWY	OTTAWA CITY ON
SPL	TRANSPORT TRUCK	HWY 417 BETWEEN NICOLAS AND VANIER PARKWAY	OTTAWA CITY ON
SPL	TRANSPORT TRUCK	HWY 417 AT MILE MARKER 5, EASTBOUND	OTTAWA CITY ON
SPL	TRANSPORT TRUCK	HWY # 417 AT ROCHESTER EXIT.	OTTAWA CITY ON
SPL	Waste Management Inc.		Ottawa ON
SPL	Ferguson Fuels<UNOFFICIAL>		Ottawa ON
SPL			Ottawa ON
SPL	CRAWFORD TRANSPORT	ON HWY. 17 AT THE PLACE D'ORLEANS	OTTAWA-CARLETON

		ABOUT 5 MI. EAST OF OTTAWA	R.M. ON
SPL	CONSTRUCTION SITE	MISSISSIPPI BRIDGE CONST. SITE, 300 M WEST OF HWY 17, 3.5 KM N OF ANTRIM	OTTAWA CITY ON
SPL		Hwy 17 where crosses South Indian Creek	Ottawa ON
SPL		Carling Ave W @ Britannia	Ottawa ON
SPL	NATIONAL DEFENCE	SHERLY'S BAY (PROPERTY) OFF CARLING AVE.	OTTAWA CITY ON
SPL	O.C. TRANSPOR	ON CARLING AVE. IN BETWEEN PARKDALE & HOLLAND ST.	OTTAWA CITY ON
SPL	Industry Canada - Communications Research Centre	Carling Avenue (Between Moody and March Road)	Ottawa ON
SPL		Carling Ave, EB and Melrose (centre of intersection)	Ottawa ON
SPL		Carling Ave near Woodroffe	Ottawa ON
SPL	OTTAWA TRANSIT	CARLING AVENUE	OTTAWA ON
SPL	HOTEL/MOTEL	CARLING AVENUE	OTTAWA CITY ON
SPL	City of Ottawa	CARLING AVE., IN FRONT OF WESTGATE SHOPPING CENTRE<UNOFFICIAL>	Ottawa ON
SPL	OC TRANSPOR	CARLING AVE. BETWEE COLE AVE. & MAITLAND AVE.	OTTAWA CITY ON
SPL		Graham Creek outfall near Carling Av.<UNOFFICIAL>	Ottawa ON
SPL	NATIONAL GROCERS		OTTAWA ON
WWIS			ON

Unplottable Report

Site: **City of Ottawa**
Merivale Road between Island Park Crescent and Carling Avenue Ottawa ON

Database:
CA

Certificate #: 0496-8FQKFV
Application Year: 2011
Issue Date: 5/19/2011
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: **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: **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: **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: **City of Ottawa**
Merival Road from Carling Avenue to Geneva St Ottawa ON

Database:
CA

Certificate #: 6483-88QLWF
Application Year: 2010
Issue Date: 9/14/2010
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: **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: **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: **R.M. OF OTTAWA-CARLETON**
ISLAND PARK DR. OTTAWA CITY ON

Database:
CA

Certificate #: 7-2075-88-
Application Year: 88
Issue Date: 1/18/1989
Approval Type: Municipal water
Status: Approved in 1989
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **City of Ottawa**
Carling Avenue Ottawa ON

Database:
ECA

CofA Number: 3723-9ATJC6
Date: 30-AUG-13
Status: Approved
Project Type: Municipal and Private Sewage

Site:
Highway 417, CN Rail Ottawa ON

Database:
EHS

Order No.: 20051017044
Report Date: 10/18/2005
Report Type: Site Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: **Hwy 417 Ottawa ON**

Database:
EHS

Order No.: 20120509053
Report Date: 5/16/2012
Report Type: Custom Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: **Carling Ave N Of, Grandview Rd Ottawa ON**

Database:
EHS

Order No.: 20051020002
Report Date: 10/18/2005
Report Type: Site Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: **Carling Ave N of Grandview Dr W Ottawa ON**

Database:
EHS

Order No.: 20051017043
Report Date: 10/18/2005
Report Type: Site Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: **7770251 CANADA INC
MERIVALE ROAD OTTAWA ON**

Database:
GEN

Generator #: ON6163455
Approval Yrs: 2013
SIC Code: 812320
SIC Description: DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)

--- Details ---

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: **HARZENA HOLDING LTD. 19-383
MERIVALE RD. FARM, LOT 19 RF, CONC. 1 OTTAWA ON**

Database:
GEN

Generator #: ON1124500
Approval Yrs: 94,95,96
SIC Code: 0111
SIC Description: DAIRY FARMS

--- Details ---

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Site: **PITTS ENGINEERING CONSTRUCTION 31-354**
BANISTER CONT. LTD. C/O BOX 8008 OTTAWA OTTAWA-CARLETON ON

Database:
GEN

Generator #: ON0760802
Approval Yrs: 92,93,94,95,96
SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

--- Details ---

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **PETRO-CANADA PRODUCTS**
OTTAWA TERMINAL - GULF OTTAWA ON

Database:
GEN

Generator #: ON0031027
Approval Yrs: 98
SIC Code: 3611
SIC Description: REFINED PETRO. PROD.

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: **Ecoplans Limited**
Highway 417 West onramp accessed off Moodie Drive Ottawa ON

Database:
GEN

Generator #: ON3922236
Approval Yrs: 2010
SIC Code: 541620
SIC Description: Environmental Consulting Services

--- Details ---

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: **HARZENA HOLDING LTD.**
MERIVALE RD. FARM, LOT 19 RF, CONC. 1 OTTAWA ON

Database:
GEN

Generator #: ON1124500
Approval Yrs: 88,89
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

--- Details ---

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Site: **PITTS (OUT OF BUS) 31-354**
BANISTER CONT. LTD. C/O BOX 8008 OTTAWA OTTAWA-CARLETON ON

Database:
GEN

Generator #: ON0760802
Approval Yrs: 97,98
SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

--- Details ---

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Site: **PITTS ENGINEERING CONSTRUCTION**
BANISTER CONT. LTD. C/O BOX 8008 OTTAWA OTTAWA-CARLETON ON

Database:
GEN

Generator #: ON0760802
Approval Yrs: 86,87,88,89,90
SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

--- Details ---

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **National Capital Commission**
Bate Island Ottawa ON

Database:
GEN

Generator #: ON1555762
Approval Yrs: 02,03,04,05
SIC Code:
SIC Description:

--- Details ---

Waste Code: 221
Waste Description: LIGHT FUELS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **R.W Tomlinson**
LRT Central Site ottawa ON

Database:
GEN

Generator #: ON9834153
Approval Yrs: As of May 2015
SIC Code:
SIC Description:

--- Details ---

Waste Code: 146
Waste Description: Other specified inorganic sludges, slurries or solids
+
Waste Code: 252
Waste Description: Waste crankcase oils and lubricants
+
Waste Code: 212
Waste Description: Aliphatic solvents and residues

Site: **GVT OF CAN-HEALTH&WELFARE CAN.MED.16-303**
SER.BR,UNIT#25,RM B-16, CARLING AVE. OTTAWA ON

Database:
GEN

Generator #: ON0095617
Approval Yrs: 92,93,94,95,96,97
SIC Code: 8635
SIC Description: PUB. HEALTH CLINICS

--- Details ---

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Site: **SHELL CANADA PRODUCTS LTD**

Database:

MERIVALE RD OTTAWA ON**PRT**

Location ID: 11000
Type: retail
Expiry Date: 1995-12-31
Capacity (L): 8280000
Licence #: 0022412017

Site: **AECON Construction & Materials Ltd.**
30m north of the north-east corner of the Mississippi River and Highway #17 Ottawa ON

Database:
PTTW

Year: 2003
EBR Registry No.: IA03E1774
Ministry Ref. No.: ER-7826-51-rR62
Type: Instrument Final Decision
Instrument Type: Permit to take water - OWRA s. 34
Proposal Date:
Location: Approximately 30m north of the north-east corner of the Mississippi River and Highway #17,
Ottawa (geographic Township of West Carleton)
Proponent Address: 11 Indell Lane Brampton Ontario L6T 3Y3

Site: **MR GAS LTD**
HWY 17 ARNPRIOR OTTAWA ON

Database:
RST

Facility: Service Stations-Gasoline, Oil & Natural Gas
Description:

Site: **Loblaws Company East<UNOFFICIAL>**
Queensway, from Greenbank Exit to 1735 Iris Road Ottawa ON

Database:
SPL

Ref No.: 6833-6H4GWP
Incident Dt: 10/12/2005
MOE Reported Dt: 10/12/2005
Contaminant Name: DIESEL FUEL
Contaminant Quantity:
Incident Summary: Loblaws: 10 to 15 L diesel to road/parking lot
Incident Cause: Pipe Or Hose Leak
Incident Reason: Unknown - Reason not determined
Nature of Impact:
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: **TRANSPORT TRUCK**
QUEENSWAY OTTAWA CITY ON

Database:
SPL

Ref No.: 224201
Incident Dt: 4/19/2002
MOE Reported Dt: 4/19/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Reason: ERROR
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: CONFIRMED

Site: UNKNOWN
BLAIR STATION AND QUEENSWAY OTTAWA CITY ON

Database:
SPL

Ref No.: 239018
Incident Dt: 9/11/2002
MOE Reported Dt: 9/11/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: SOURCE UNK: UNK VOLUME OF ANTIFREEZE IN THE STORMSEWER, CLEANING
Incident Cause: UNKNOWN
Incident Reason: UNKNOWN
Nature of Impact: Water course or lake
Receiving Medium: LAND, WATER
Environmental Impact: POSSIBLE

Site: City of Ottawa
Merivale Rd Southbound, just before Meadowlands Ottawa ON

Database:
SPL

Ref No.: 4055-6XEUV6
Incident Dt:
MOE Reported Dt: 1/13/2007
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 40 L
Incident Summary: OC Transpo: bus leaked coolant in cb
Incident Cause:
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: Penske Truck Leasing Canada Inc.
Hwy 417 east, at exit 88, Vars Ottawa ON

Database:
SPL

Ref No.: 5218-5LGE4L
Incident Dt: 4/10/2003
MOE Reported Dt: 4/10/2003
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 100 L
Incident Summary: Summit Food: truck diesel to shoulder. contained
Incident Cause:
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Possible

Site:
central transit way adjacent to hwy 417 between nicholas ave and lees ave Ottawa ON

Database:
SPL

Ref No.: 8444-9FTKCZ
Incident Dt: 2014/01/29
MOE Reported Dt: 2014/01/29
Contaminant Name: WATER
Contaminant Quantity: 200 L
Incident Summary: RW Tomlinson: Dewatering to CB,
Incident Cause: Unknown / N/A

Incident Reason: Unknown / N/A
Nature of Impact: Surface Water Pollution
Receiving Medium:
Environmental Impact: Confirmed

Site: **Hwy 417 to the corner of Rideau and King Edward Ottawa ON**

Database:
SPL

Ref No.: 5750-74BMWG
Incident Dt:
MOE Reported Dt: 6/19/2007
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity: 50 L
Incident Summary: UnknTransport Truck: 50L Oil to Road, Cln
Incident Cause: Unknown
Incident Reason: Unknown - Reason not determined
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: **Drain-All Ltd.**
Hwy 417 Westbound near Carling off-ramp Ottawa ON

Database:
SPL

Ref No.: 6127-8K6T47
Incident Dt: 7/27/2011
MOE Reported Dt: 7/27/2011
Contaminant Name: MOTOR OIL
Contaminant Quantity: 10 L
Incident Summary: 10 L's of motor oil to Queensway, cleaned
Incident Cause: Pipe Or Hose Leak
Incident Reason: Equipment/Vehicles
Nature of Impact:
Receiving Medium:
Environmental Impact: Not Anticipated

Site: **City of Ottawa**
Hwy 417 West bound, between the Carling Ave Exit and the Maitland Exit Ottawa ON

Database:
SPL

Ref No.: 5074-6J2RLX
Incident Dt: 11/11/2005
MOE Reported Dt: 11/11/2005
Contaminant Name: ETHYLENE GLYCOL (ANTIFREEZE)
Contaminant Quantity:
Incident Summary: OC Transpo (Ottawa): 20L antifreeze to grnd, clng
Incident Cause: Pipe Or Hose Leak
Incident Reason: Unknown - Reason not determined
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Confirmed

Site: **Hwy 417 Under Overpass @ Castlefrank Road Ottawa ON**

Database:
SPL

Ref No.: 7705-67XN2B
Incident Dt: 12/22/2004
MOE Reported Dt: 12/23/2004

Contaminant Name: DIESEL FUEL
Contaminant Quantity:
Incident Summary: MVA: 200L diesel to Ditch
Incident Cause: Other Transport Accident
Incident Reason: Weather
Nature of Impact: Groundwater Pollution; Other Impact(s); Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Environmental Impact: Confirmed

Site: Purolator Courier Ltd.
Hwy 417 Eastbound @ Mile Marker 180 Ottawa ON

Database:
SPL

Ref No.: 8553-8S9HPE
Incident Dt: 10-MAR-12
MOE Reported Dt: 10-MAR-12
Contaminant Name: DIESEL FUEL
Contaminant Quantity:
Incident Summary: TT Accident: 300L to grnd
Incident Cause: Other Transport Accident
Incident Reason: Spill
Nature of Impact: Other Impact(s); Soil Contamination
Receiving Medium: Sewage - Municipal/Private and Commercial
Environmental Impact: Not Anticipated

Site: Glenview Iron and Steel Ltd.<UNOFFICIAL>
Hwy 417 - Woodroffe W. Bnd, On-Ramp Ottawa ON

Database:
SPL

Ref No.: 0000-5NA2HN
Incident Dt: 6/6/2003
MOE Reported Dt: 6/6/2003
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 50 L
Incident Summary: Ottawa Hwy 417 - MVA, diesel to ditch
Incident Cause: Other Transport Accident
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: Unisource Canada, Inc.
HWY 417-West near Km 117 on the Vanier Prk Way, Ottawa ON

Database:
SPL

Ref No.: 5066-7B6KDT
Incident Dt:
MOE Reported Dt: 1/24/2008
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 250 L
Incident Summary: TT MVA- >250L diesel HWY 417 W/ Drain-all to clean up spill.
Incident Cause: Other Transport Accident
Incident Reason: Unknown - Reason not determined
Nature of Impact:
Receiving Medium:
Environmental Impact: Not Anticipated

Site: Enbridge Gas Distribution Inc.
HWY 417 at Vars Bridge Ottawa ON

Database:
SPL

Ref No.: 6748-7X7R4U
Incident Dt:
MOE Reported Dt: 10/26/2009
Contaminant Name: USED MOTOR OIL
Contaminant Quantity: 30 L
Incident Summary: Motor Vehicle-30 L Used Motor Oil to Hwy 417.
Incident Cause:
Incident Reason:
Nature of Impact:
Receiving Medium:
Environmental Impact: Not Anticipated

Site:
417 eastbound, east of exit 104 Ottawa ON

Database:
SPL

Ref No.: 2172-9F4M4N
Incident Dt: 2014/01/06
MOE Reported Dt: 2014/01/06
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 100 L
Incident Summary: Day & Ross: diesel on Hwy 417 exit 104
Incident Cause: Leak/Break
Incident Reason: Weather Conditions
Nature of Impact: Soil Contamination
Receiving Medium:
Environmental Impact: Confirmed

Site: **S. 21(1)(f)**
Hwy 417 E between Vanier Parkway and St. Laurent<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 1301-6XAFSY
Incident Dt:
MOE Reported Dt: 1/9/2007
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 150 L
Incident Summary: Andleaur Transp & S. 21(1)(f) - 150 L diesel to Hwy and sewer
Incident Cause: Other Transport Accident
Incident Reason:
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Environmental Impact: Not Anticipated

Site:
417 EASTBOUND - NICHOLAS ON RAMP<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 1151-5R4LZR
Incident Dt: 9/5/2003
MOE Reported Dt: 9/5/2003
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 100 L
Incident Summary: Hwy 417 - diesel spill
Incident Cause: Other Discharges
Incident Reason: Other - Reason not otherwise defined
Nature of Impact:
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: CITY OF OTTAWA SNOW PLOW<UNOFFICIAL>
TERRY FOX DRIVE AT THE HWY. 417 OVERPASS<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 0881-5HS47B
Incident Dt: 1/13/2003
MOE Reported Dt: 1/13/2003
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 180 L
Incident Summary: CITY OF OTTAWA - 180 L OF DIESEL FUEL TO GROUND.
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Reason: Error- Operator error
Nature of Impact:
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: Sita Ontario Inc.
Highway 417(westbound) and Moodie Drive ramp Ottawa ON

Database:
SPL

Ref No.: 4124-6DJQGX
Incident Dt: 6/20/2005
MOE Reported Dt: 6/20/2005
Contaminant Name: DIESEL FUEL
Contaminant Quantity:
Incident Summary: MVA: SITA Can.: 50 L diesel to Hwy 417/Moodie Dr.
Incident Cause: Other Transport Accident
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: Wilway Transport<UNOFFICIAL>
Highway 417 eastbound, panmure exit(exit 162) Ottawa ON

Database:
SPL

Ref No.: 5853-6SC638
Incident Dt: 8/3/2006
MOE Reported Dt: 8/3/2006
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 50 L
Incident Summary: MVA: Hwy 417 eastbnd, Panmure exit, diesel to median
Incident Cause: Other Transport Accident
Incident Reason: Equipment/Vehicles
Nature of Impact: Soil Contamination; Vegetation Damage
Receiving Medium: Land
Environmental Impact: Confirmed

Site: Thermal Shell
Highway 417 West of Eagleson Rd Ottawa ON

Database:
SPL

Ref No.: 2847-5NPPU5
Incident Dt: 6/20/2003
MOE Reported Dt: 6/20/2003
Contaminant Name: FUEL OIL
Contaminant Quantity:
Incident Summary: Spill:Thermashell truck- 20L of fuel oil to ground
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Reason: Unknown - Reason not determined
Nature of Impact: Soil Contamination

Receiving Medium: Land
Environmental Impact: Possible

Site: Waste Services Inc.
Highway 417 East bound West of Terry Fox Ottawa ON

Database:
SPL

Ref No.: 1683-5S3Q8B
Incident Dt: 10/6/2003
MOE Reported Dt: 10/6/2003
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 60 L
Incident Summary: Waste Services Inc. - Hydraulic oil spill
Incident Cause: Other Transport Accident
Incident Reason: Equipment Failure - Malfunction of system components
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Environmental Impact: Possible

Site: City of Ottawa
Highway 417 Ottawa ON

Database:
SPL

Ref No.: 3043-7QMTYH
Incident Dt:
MOE Reported Dt: 3/30/2009
Contaminant Name: ENGINE OIL
Contaminant Quantity: 10 L
Incident Summary: OC Transpo: 10L engine oil to grnd on Hwy 417
Incident Cause: Pipe Or Hose Leak
Incident Reason: Unknown - Reason not determined
Nature of Impact: Other Impact(s)
Receiving Medium:
Environmental Impact: Not Anticipated

Site: TRANSPORT TRUCK
HWY. 417 OTTAWA ON

Database:
SPL

Ref No.: 191523
Incident Dt: 12/4/2000
MOE Reported Dt: 12/4/2000
Contaminant Name:
Contaminant Quantity:
Incident Summary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Reason: OTHER
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: POSSIBLE

Site: HWY 417 ONRAMP AT TERRY FOX EXIT<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 5448-5KXU3S
Incident Dt: 3/24/2003
MOE Reported Dt: 3/24/2003
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 68 L

Incident Summary: Dundas Drilling- 68 L hydr.oil to ditch, cleaning
Incident Cause:
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Possible

Site: **LECLAIR FUELS LTD.**
HWY 417 BTWN INNIS & PKWY OTTAWA CITY ON

Database:
SPL

Ref No.: 4525
Incident Dt: 5/31/1988
MOE Reported Dt: 5/31/1988
Contaminant Name:
Contaminant Quantity:
Incident Summary: 15 LTR. DIESEL TO HWY. FROM TRUCK FUEL TANK.
Incident Cause: ABOVE-GROUND TANK LEAK
Incident Reason: UNKNOWN
Nature of Impact:
Receiving Medium: LAND
Environmental Impact:

Site: **TRANSPORT TRUCK**
HWY 417 BETWEEN NICOLAS AND VANIER PARKWAY OTTAWA CITY ON

Database:
SPL

Ref No.: 240047
Incident Dt: 9/20/2002
MOE Reported Dt: 9/20/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: MOLSON'S:300L DIESEL TO GRD,50L TO SEWER, CONTAINED AND CLEANING
Incident Cause: BLADDER FAILURE
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Nature of Impact: Water course or lake
Receiving Medium: LAND, WATER
Environmental Impact: POSSIBLE

Site: **TRANSPORT TRUCK**
HWY 417 AT MILE MARKER 5, EASTBOUND OTTAWA CITY ON

Database:
SPL

Ref No.: 233267
Incident Dt: 7/25/2002
MOE Reported Dt: 7/25/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: BELFAST FRUIT INC. MVA PUT TRUCK IN DITCH. DIESEL FROM SADDLE TANKS.
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Reason: UNKNOWN
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: POSSIBLE

Site: **TRANSPORT TRUCK**
HWY # 417 AT ROCHESTER EXIT. OTTAWA CITY ON

Database:
SPL

Ref No.: 172543

Incident Dt: 9/10/1999
MOE Reported Dt: 9/10/1999
Contaminant Name:
Contaminant Quantity:
Incident Summary: PROVIGO DISTRIBUTION-20 LDIESEL FROM TRUCK AT HWY EXIT,FD, WILL CLEANUP.
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: ADVERSE ROAD CONDITION
Nature of Impact:
Receiving Medium: LAND
Environmental Impact: NOT ANTICIPATED

Site: Waste Management Inc.
Ottawa ON

Database:
SPL

Ref No.: 8781-6L7M7T
Incident Dt: 1/19/2006
MOE Reported Dt: 1/19/2006
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 200 L
Incident Summary: HWY 417: garbage truck fire, 45 gal hyd. oil to road
Incident Cause:
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: Ferguson Fuels<UNOFFICIAL>
Ottawa ON

Database:
SPL

Ref No.: 2342-6QAQYF
Incident Dt: 5/30/2006
MOE Reported Dt: 5/30/2006
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 60 L
Incident Summary: Ferguson Fuels ~60 L diesel spill, Hwy 417, Eagleson exit
Incident Cause: Other Transport Accident
Incident Reason:
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Environmental Impact: Confirmed

Site:
Ottawa ON

Database:
SPL

Ref No.: 2415-6M4SUB
Incident Dt: 2/17/2006
MOE Reported Dt: 2/17/2006
Contaminant Name: GASOLINE
Contaminant Quantity: Not specified 12
Incident Summary: Hwy 417 eastbound, 36 vehicle MVA - operating fluid to grnd
Incident Cause: Other Transport Accident
Incident Reason: Equipment Failure
Nature of Impact: Human Health/Safety; Other Impact(s); Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: CRAWFORD TRANSPORT
ON HWY. 17 AT THE PLACE D'ORLEANS ABOUT 5 MI. EAST OF OTTAWA OTTAWA-CARLETON R.M.
ON

Database:
SPL

Ref No.: 68430
Incident Dt: 3/26/1992
MOE Reported Dt: 3/26/1992
Contaminant Name:
Contaminant Quantity:
Incident Summary: P.P. CRAWFORD TRANSPORT - 450 L OF LIQUID TAR TO ROAD FROM TANK TRUCK.
Incident Cause: CONTAINER OVERFLOW
Incident Reason: OTHER
Nature of Impact: Other
Receiving Medium: LAND
Environmental Impact: NOT ANTICIPATED

Site: CONSTRUCTION SITE
MISSISSIPPI BRIDGE CONST. SITE, 300 M WEST OF HWY 17, 3.5 KM N OF ANTRIM OTTAWA CITY
ON

Database:
SPL

Ref No.: 192858
Incident Dt: 1/3/2001
MOE Reported Dt: 1/3/2001
Contaminant Name:
Contaminant Quantity:
Incident Summary: DUFFERIN CONSTRUCTION- 40-60 L SILTY WATER OVER-FLOWED SILT
FENCE, CONT'D.
Incident Cause: CONTAINER OVERFLOW
Incident Reason: UNKNOWN
Nature of Impact: Water course or lake
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: Hwy 17 where crosses South Indian Creek Ottawa ON

Database:
SPL

Ref No.: 6723-75LPCT
Incident Dt:
MOE Reported Dt: 7/30/2007
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 0.5 L
Incident Summary: Dufferin Construction: 0.5 L hyd. oil to South Indian Creek
Incident Cause:
Incident Reason:
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Environmental Impact: Confirmed

Site: Carling Ave W @ Britannia Ottawa ON

Database:
SPL

Ref No.: 5535-794K7V
Incident Dt:
MOE Reported Dt: 11/19/2007
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 1 L
Incident Summary: OC Transpo - @1L coolant to CB
Incident Cause: Pipe Or Hose Leak

Incident Reason: Equipment Failure
Nature of Impact: Other Impact(s); Surface Water Pollution
Receiving Medium: Water
Environmental Impact: Confirmed

Site: **NATIONAL DEFENCE**
SHERLY'S BAY (PROPERTY) OFF CARLING AVE. OTTAWA CITY ON

Database:
SPL

Ref No.: 223921
Incident Dt: 4/11/2002
MOE Reported Dt: 4/11/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: NATIONAL DEFENCE, LEAKING UST, INSTALLED PRE 1980 UNKNOWN VOLUME TO GRND
Incident Cause: UNDERGROUND TANK LEAK
Incident Reason: UNKNOWN
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: POSSIBLE

Site: **O.C. TRANSP**
ON CARLING AVE. IN BETWEEN PARKDALE & HOLLAND ST. OTTAWA CITY ON

Database:
SPL

Ref No.: 113894
Incident Dt: 6/1/1995
MOE Reported Dt: 6/1/1995
Contaminant Name:
Contaminant Quantity:
Incident Summary: O.C. TRANSP - UNKNOWN AMOUNT OF MOTOR OIL TO RD. & SEWER FROM BUS.
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: EQUIPMENT FAILURE
Nature of Impact: Water course or lake
Receiving Medium: LAND / WATER
Environmental Impact: POSSIBLE

Site: **Industry Canada - Communications Research Centre**
Carling Avenue (Between Moody and March Road) Ottawa ON

Database:
SPL

Ref No.: 6336-5TMS96
Incident Dt: 11/25/2003
MOE Reported Dt: 11/25/2003
Contaminant Name: SEWAGE, RAW UNCHLORINATED
Contaminant Quantity:
Incident Summary: CRC: Sewage forcemain hit, contained to land
Incident Cause: Valve / Fitting Leak Or Failure
Incident Reason: Error- Operator error
Nature of Impact: Other Impact(s)
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site:
Carling Ave, EB and Melrose (centre of intersection) Ottawa ON

Database:
SPL

Ref No.: 1662-97RRRA
Incident Dt: 16-MAY-13

MOE Reported Dt: 16-MAY-13
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 10 L
Incident Summary: OC Transpo: 10 L hydraulic oil to rd/CB. Cntd/clng.
Incident Cause: Leak/Break
Incident Reason: Equipment Failure
Nature of Impact: Surface Water Pollution
Receiving Medium:
Environmental Impact: Confirmed

Site: **Carling Ave near Woodroffe Ottawa ON** **Database:** **SPL**

Ref No.: 3016-6UGHU4
Incident Dt: 10/11/2006
MOE Reported Dt: 10/11/2006
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 9 L
Incident Summary: Carling Ave: spill 2 gallons hydraulic oil
Incident Cause:
Incident Reason:
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Not Anticipated

Site: **OTTAWA TRANSIT** **Database:** **SPL**
CARLING AVENUE OTTAWA ON

Ref No.: 187680
Incident Dt: 9/29/2000
MOE Reported Dt: 9/29/2000
Contaminant Name:
Contaminant Quantity:
Incident Summary: OC TRANSPD:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS
NOTIFIED
Incident Cause: PIPE/HOSE LEAK
Incident Reason: UNKNOWN
Nature of Impact: Water course or lake
Receiving Medium: WATER
Environmental Impact: POSSIBLE

Site: **HOTEL/MOTEL** **Database:** **SPL**
CARLING AVENUE OTTAWA CITY ON

Ref No.: 84065
Incident Dt: 4/14/1993
MOE Reported Dt: 4/14/1993
Contaminant Name:
Contaminant Quantity:
Incident Summary: EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND
TANK
Incident Cause: UNDERGROUND TANK LEAK
Incident Reason: CORROSION
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: CONFIRMED

Site: **City of Ottawa**
CARLING AVE., IN FRONT OF WESTGATE SHOPPING CENTRE<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 7707-5XRK48
Incident Dt: 4/5/2004
MOE Reported Dt: 4/5/2004
Contaminant Name: COOLANT (N.O.S.)
Contaminant Quantity: 7 L
Incident Summary: OC Transpo, 7 L antifreeze into storm sewer, works
Incident Cause: Pipe Or Hose Leak
Incident Reason: Equipment Failure
Nature of Impact: Soil Contamination
Receiving Medium: Land
Environmental Impact: Possible

Site: **OC TRANSPO**
CARLING AVE. BETWEEN COLE AVE. & MAITLAND AVE. OTTAWA CITY ON

Database:
SPL

Ref No.: 238849
Incident Dt: 9/9/2002
MOE Reported Dt: 9/9/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: OC TRANSIT BUS: 60 L HYDRAULIC OIL TO ROAD & STORM SEWER. CLEANING.
Incident Cause: PIPE/HOSE LEAK
Incident Reason: EQUIPMENT FAILURE
Nature of Impact: Multi Media Pollution
Receiving Medium: LAND, WATER
Environmental Impact: POSSIBLE

Site:
Graham Creek outfall near Carling Av.<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No.: 7230-6EESVB
Incident Dt: 7/18/2005
MOE Reported Dt: 7/18/2005
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity:
Incident Summary: Ukn srce, film on Graham Ck, Works & ERP
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Reason: Unknown - Reason not determined
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Environmental Impact: Possible

Site: **NATIONAL GROCERS**
OTTAWA ON

Database:
SPL

Ref No.: 191981
Incident Dt: 12/13/2000
MOE Reported Dt: 12/13/2000
Contaminant Name:
Contaminant Quantity:
Incident Summary: NATIONAL GROCERS-14L ENG-INE OIL TO PVMT ONLY; NO DRAINS. CLEANING.
Incident Cause: CONTAINER OVERFLOW
Incident Reason: OTHER
Nature of Impact:
Receiving Medium: LAND

Site:**ON****Database:****WWIS**

<i>Well ID:</i>	1518217	<i>Lot:</i>	001
<i>Concession:</i>		<i>Concession</i>	
<i>County:</i>	OTTAWA-CARLETON	<i>Name:</i>	
<i>Easting Nad83:</i>		<i>Municipality:</i>	OTTAWA CITY
<i>Zone:</i>	18	<i>Northing</i>	
<i>Primary Water Use:</i>	Domestic	<i>Nad83:</i>	
<i>Sec. Water Use:</i>	Livestock	<i>Utm Reliability:</i>	unknown UTM
<i>Pump Rate:</i>	20 GPM	<i>Construction</i>	21-MAR-83
<i>Flow Rate:</i>		<i>Date:</i>	
<i>Specific Capacity:</i>		<i>Well Depth:</i>	167 ft
<i>Construction Method:</i>	Cable Tool	<i>Static Water</i>	25 ft
<i>Elevation (m):</i>		<i>Level:</i>	
<i>Depth to Bedrock:</i>	52	<i>Clear/Cloudy:</i>	
<i>Water Type:</i>	FRESH, Not stated	<i>Final Well</i>	Water Supply
		<i>Status:</i>	
		<i>Flowing (y/n):</i>	N
		<i>Elevation</i>	
		<i>Reliability:</i>	
		<i>Overburden/Bedrock:</i>	Bedrock
		<i>Casing</i>	MINERIAL
		<i>Material:</i>	

--- Details ---

<i>Thickness:</i>	GREY	<i>Original Depth:</i>	15 ft
<i>Material Colour:</i>	CLAY	<i>Material:</i>	15 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	35 ft
<i>Material Colour:</i>	CLAY, BOULDERS, HARDPAN	<i>Material:</i>	20 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	52 ft
<i>Material Colour:</i>	BOULDERS, HARDPAN	<i>Material:</i>	17 ft
+			
<i>Thickness:</i>	GREY	<i>Original Depth:</i>	167 ft
<i>Material Colour:</i>	LIMESTONE	<i>Material:</i>	115 ft

Appendix: Database Descriptions

*Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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 all 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 Mar 2015

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-Jan 2014

Anderson's Waste Disposal Sites:

Private [ANDR](#)

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of all 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: 2001-Jul 2014

Borehole:Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval:Provincial [CA](#)

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

*Government Publication Date: 1985-Oct 30, 2011**

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

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

Government Publication Date: 1948-2014

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: 1992, 1999-Jul 2014

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-Feb 2014

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-Jun 2015

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 MNM. 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-Jan 2014

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 31 2011-Apr 2015

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-Jun 2015

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 31, 2011-Apr 2015

Environmental Effects Monitoring:Federal [EEM](#)

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

*Government Publication Date: 1992-2007**

ERIS Historical Searches:Private [EHS](#)

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

Government Publication Date: 1999-Aug 2014

Environmental Issues Inventory System:Federal [EIIS](#)

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

*Government Publication Date: 1992-2001**

List of TSSA Expired Facilities:Provincial [EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Current to Nov 2014

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 all 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: June 2000-Apr 2015

Fisheries & Oceans Fuel Tanks:Federal [FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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-Sept 2003

Fuel Storage Tank:Provincial [FST](#)

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

Government Publication Date: 2010-Nov 2014

Fuel Storage Tank - Historic:Provincial [FSTH](#)

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

*Government Publication Date: 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-May 2015***TSSA Historic Incidents:**

Provincial HINC

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

*Government Publication Date: 2006-June 2009****Indian & Northern Affairs Fuel Tanks:**

Federal IAFI

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

*Government Publication Date: 1950-Aug 2003****TSSA Incidents:**

Provincial INC

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

*Government Publication Date: June 2009-2014***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: 2012

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-Apr 2013

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: 1994-2012

National Defence & Canadian Forces Fuel Tanks:Federal [NDFT](#)

The Department of National Defence 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 Defence & Canadian Forces Spills:Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:Federal [NDWD](#)

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

*Government Publication Date: 2001-Apr 2007**

National 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 all 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. All federal out-of-service PCB containing equipment and all 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: 1993-2013***Oil and Gas Wells:**Private [OGW](#)

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

*Government Publication Date: 1988-Mar 2015***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: 1800-2013***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

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-Jun 2015

Canadian Pulp and Paper:Private [PAP](#)

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

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

Parks Canada Fuel Storage Tanks:Federal [PCFT](#)

Canadian Heritage maintains an inventory of all 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 Environment maintains a database of all manufacturers and vendors of registered pesticides.

Government Publication Date: 1988-Jun 2013

TSSA Pipeline Incidents:Provincial [PINC](#)

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

Government Publication Date: June 2009-2014

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-Jun 2015

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: 1986-2013

Record of Site Condition:

Provincial

RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2015

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 2014

Scott's Manufacturing Directory:

Private

SCT

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

Government Publication Date: 1992-Mar 2011

Ontario Spills:

Provincial

SPL

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

Government Publication Date: 1988-Feb 2014

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: 1990-2011

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-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

[VAR](#)

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Government Publication Date: Current to Nov 2014

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: 1970-Apr 2015

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: 1955-Mar 2014

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.

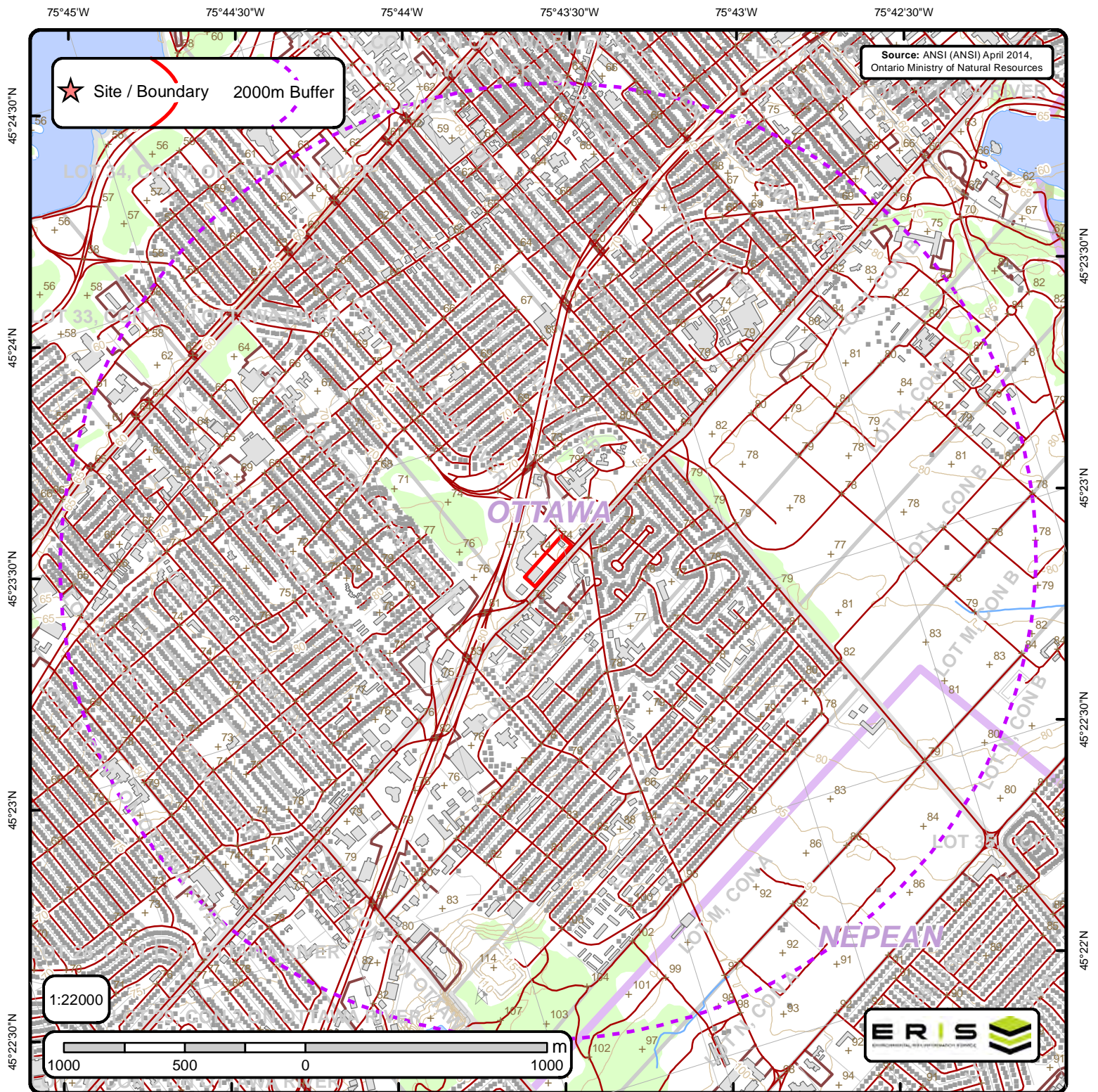
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'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.

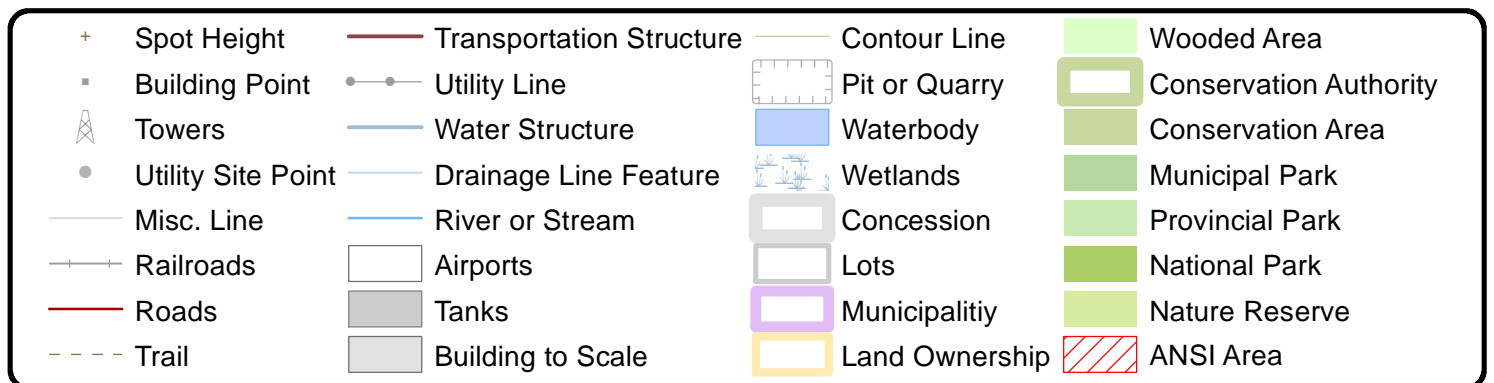
Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number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



Area of Natural & Scientific Interest (ANSI) Order No. 20150611005





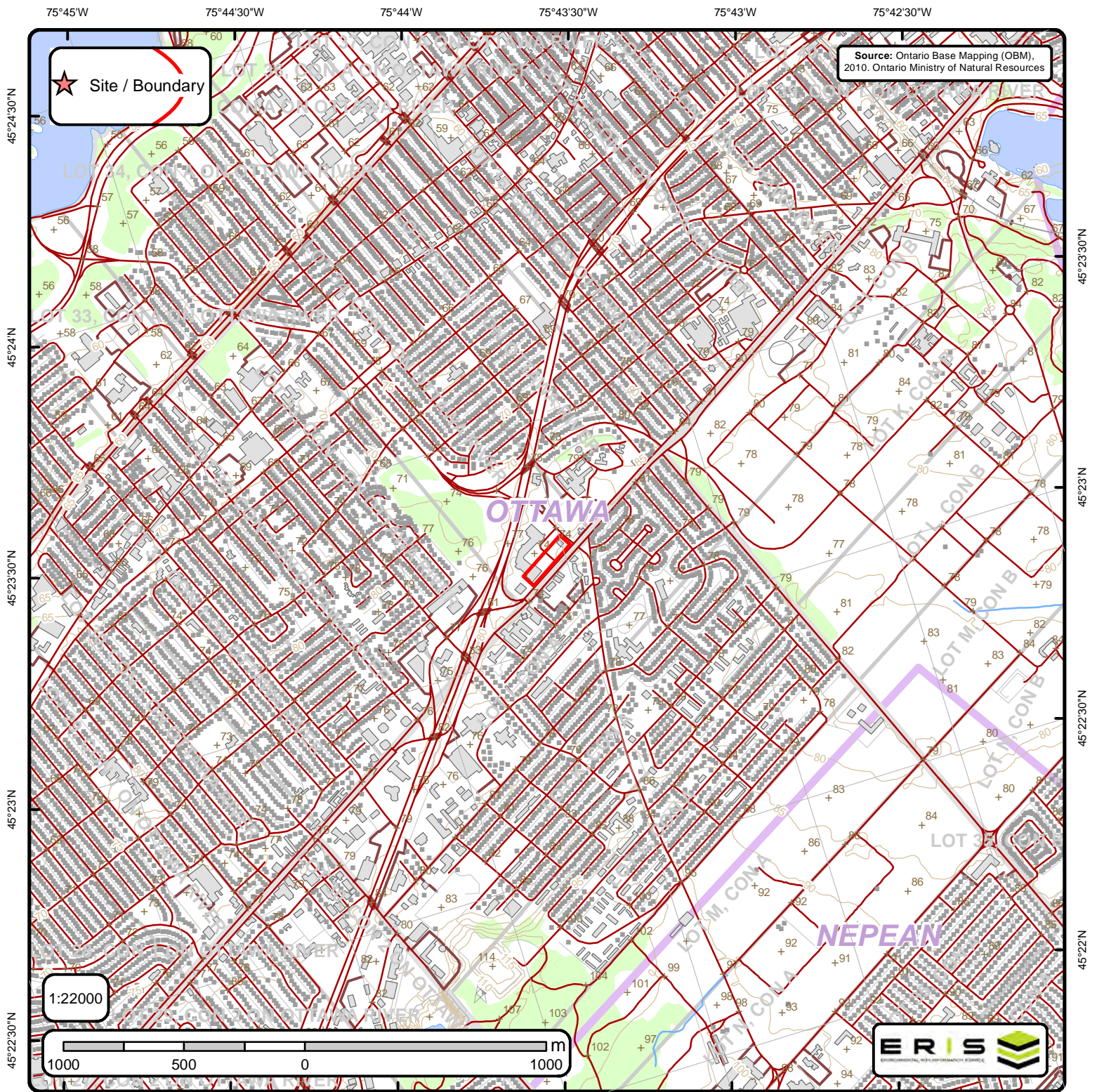
ANSI Report

ANSI Units Found within 2000 m of
1309 Carling Ave, Ottawa, ON, K1Z0A5

Page 1
Order ID:
20150611005



No ANSI units found within search area.



Ontario Base Mapping (OBM) Data

Order No. 20150611005

+	Spot Height (metre)	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚡	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—	Railroads	■	Airports	■	Lots	■	National Park
—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership		



APPENDIX C

Regulatory Responses

Ministry of the Environment
and Climate Change

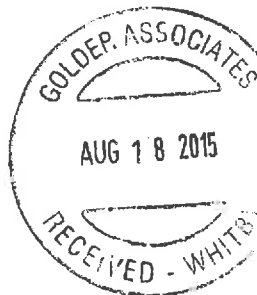
Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél.: (416) 314-4075
Télec.: (416) 314-4285



August 7, 2015

Lena Zdanowski
Golder Associates
100 Scotia Court
Whitby, ON L1N 8Y6

Dear Lena Zdanowski:

RE: Freedom of Information and Protection of Privacy Act Request
Our File #: A-2015-04054, Your Reference #: 1522569

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 1265 & 1321 Carling Ave, Ottawa.

After a thorough search of the Ministry's Ottawa District Office, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ \$30/hour	\$30.00
• Copying 4 pages @ \$0.20/page	\$0.80
• Delivery	\$3.00
• Total	\$33.80
• Deposit Received	- \$30.00
• BALANCE WAIVED (NOT REQUIRED)	\$3.80

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Liz Mico at (416) 212-0559 or liz.mico@ontario.ca.

Yours truly,


Heidi Ritscher
FOI Manager

Attachments



OCCURENCE REPORT

Ministry of the
Environment

Location of Occurrence:
OTTAWA CITY
1321 CARLING AVENUE

Reg: 4 **Dist:** OT **Municipality:** 20101

Entered: 2000/09/13 15:27
ORIS No. 9940005013

Received By:
CAROLLE VIAU

Occurrence Type: N
Subtype: 04

Work Plan: WH

Reported By:
DRAIN ALL LTD.

Telephone No. 613-739-1070 x
Alternate No. x

Address:
2705 STEVENAGE DRIVE
GLOUCESTER, ONTARIO
Postal Code: K1G 3N2

Syn: ISSUED EMERGENCY GENERATOR NUMBER

Brief Summary:

ISSUED EMERGENCY GENERATOR NUMBER FOR MANIFEST NUMBER GG46449-4 FOR WASTE CLASS NUMBER: 252L WASTE OIL

If there are related reports, record initial/master ORIS No. here >>

Followup Action: X **Abatement** **IEB** **Other**
BF Date:

File Closed: Y **Abatement:** **IEB** **Other**
Suspected Violation:

Report Prepared By: CAROLLE VIAU
Date: 2000/09/13

Approving Officer: PAUL KEHOE
Date: 2000/09/13

Specify number(s) for routing Original [] [] [] [] [] []

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

Continued [] **Yes**

7. Other _____

SAC Action Class: 1: 2:

Source:
MONTLOMERY KONE ELEVATOR
4 CEASAR AVENUE

Sector: **Source:** **SIC:**

UTM:
N: [5028000] E: [447000] **Zone:** [18]

Abstracts: 0
Diaries: 0

Batch: 3623
I. E. B. No.

Occurrence Date: 2000/09/13

Occurrence Time:

Report to MOE : 2000/09/13 00:00

MOE at Scene:

Assigned To: S BELANGER-FONTAINE

ERP Contacted:

Callout: [] **NSP:** []

ERP Name:

Material 1: N/A

Amount :

Material 2:

Amount :

Material 3:

Amount :

Code :

UN No.:

Code :

UN No.:

Code :

UN No.:

Cause. :

Reason. :

Person in Control:

Owner. :

Agencies Involved. :

Clean up and Restoration Carried out by:

☒ [v] Controller

☐ [v] Owner

☐ [N] Other

% Cleaned up:

Estimated Cost:

Were Directions or Approval Given Under

EPA Part X ☐ [v]

Regulation 362 ☐ [v]

Manifest No.

Waste Class :

Hauler :

Disposal Site :

Environmental Impact:

Nature of Impact:

People/Business Damaged

(Other than to Owner/Controller) :

Nature of Damage:

Code. . . :

Code. . . :

Waste GenNum :

Waste GenNum :

Code . . . :

Code . . . :

Code . . . :

Code . . . :

Code . . . :



OCCURENCE REPORT

Ministry of the
Environment

Location of Occurrence:
OTTAWA CITY
1321 CARLING AVENUE

Reg: 4 Dist: OT Municipality: 20101

Entered: 1999/11/23 10:54
ORIS No. 9940002214

Received By:
TRUDY HERFKENS

Occurrence Type: N
Subtype: 04

Work Plan: WH

Reported By:
DRAIN ALL LTD.

Telephone No. 613-739-1070 x
Alternate No. x

Address:
2705 STEVENAGE DRIVE
GLOUCESTER, ONTARIO
Postal Code: K1G 3N2

Syn: ISSUED EMERGENCY GENERATOR NUMBER

Brief Summary:

ISSUED EMERGENCY GENERATOR NUMBER FOR MANIFEST # 251L WASTE OILY WATER FOR WASTE CLASS MM77716-7.

If there are related reports, record initial/master ORIS No. here >>

Followup Action: X Abatement IEB Other

BF Date:

File Closed: Y Abatement: IEB Other

Suspected Violation:

Report Prepared By: TRUDY HERFKENS
Date: 99/11/23

IEB Investigator: **IEB BF Date**

Approving Officer: GEORGE CLARKE
Date: 99/11/23

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: N/A

Amount :

Material 2:

Amount :

Material 3:

Amount :

Cause :

Code :

UN No.:

Code :

UN No.:

Code :

UN No.:

Code . . :

000003

Reason. :

Code. . :

Person in Control:

Waste GenNum :

Owner. :

Waste GenNum :

Agencies Involved :

Clean up and Restoration Carried out by:

☒ Controller

☒ Owner

☐ [N] Other

% Cleaned up:

Estimated Cost:

Were Directions or Approval Given Under

EPA Part X ☒

Regulation 362 ☒

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 the Environment
and Climate Change

Freedom of Information and
Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement et de
l'Action en matière de changement
climatique

Bureau de l'accès à l'information et
de la protection de la vie privée

12^e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Télééc.: (416) 314-4285



August 14, 2015

Lena Zdanowski
Golder Associates
100 Scotia Court
Whitby, ON L1N 8Y6

Dear Lena Zdanowski:

**RE: *Freedom of Information and Protection of Privacy Act* Request
Our File #: A-2015-04431, Your Reference #: 1536395**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 980 Green Valley Rd, London.

After a thorough search of the Ministry's London District Office, Southwestern Regional Office, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide full access to the attached information.

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ \$30/hour	\$30.00
• Copying 15 pages @ \$0.20/page	\$3.00
• Delivery	3.00
• Total	\$ 36.00
• Deposit Received	- 30.00
• BALANCE WAIVED (NOT REQUIRED)	\$6.00

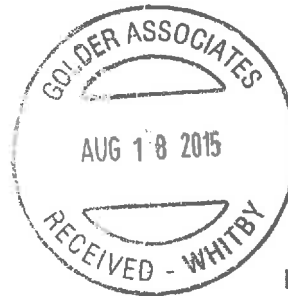
You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Daniel Demanuele at (416) 212-3183 or daniel.demanuele@ontario.ca.

Yours truly,

 Heidi Ritscher
FOI Manager

Attachments



Ministry of the Environment
Ministère de l'Environnement

INCIDENT REPORT

Reference Number:	2233-8UTPME	File Storage Number:	NPRI ID 10183
Module:	Incident Reporting	Module Type:	Other
Cross Reference:	(doc link)	Task Link:	4024-8UTPNF
Originating Document:		Created by:	Sheldon MacNeil
Incident Report Reference Number:	2233-8UTPME		
Date Created:	2012/05/31	Date Completed:	2013/09/10
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Outreach/Pollution prevention	Activity:	Reg. 455/09 Compliance promotion mail-out

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

☐ Yes ☒ No ☐ To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:

First Name	Last Name
Sheldon	MacNeil

Contact Mailing Address

Municipality:

London

Reported By:

MOE Information

Date & Time Reported to MOE:	2012/05/31 14:25
Office Receiving Incident Report:	Sector Compliance Branch
Incident Info Received By:	Sheldon MacNeil
MOE Response:	No Field Response
Site Region:	Southwestern
Date & Time of MOE Arrival at Scene:	
Master Incident Report Number:	
SAC Action Class:	
Non-Standard Procedure:	No

ERP Call-out Initiated:

Client(s)

Client Details

Sleegers Tanks Inc.

Mailing Address: 980 Green Valley Rd, London, Ontario, Canada, N6N 1E3

Physical Address: 980 Green Valley Rd, London, City, County of Middlesex, Ontario, Canada, N6N 1E3

Telephone: (519)685-7444, FAX: (519)685-2882, email: jadams@sleegers.on.ca

Client #: 1805-7LSMAN, Client Type: Corporation, NAICS: 33242

Site(s)

Site Details

980 Green Valley Road

Address: 980 Green Valley Rd, London, City, County of Middlesex

District Office: London - District

LIO GeoReference: Zone: 17, UTM Easting: 483762.12, UTM Northing: 4752100.5, Latitude: 42.921352, Longitude: -81.19897

Site #: 8968-7LSP7N

Incident Information

Incident Summary:

2010 TRA Follow Up
cannot be longer than 60 characters

Incident Description:

May 31, 2012 - The attached letter was emailed to follow up on a facility that is likely subject to the requirements of the TRA (based on last years report), but did not submit a report to TRA or EC's NPRI program this year.

November 8, 2012

11:22 T. Baker to Sleegers Tanks Inc @ 519-685-7444: Spoke with Mr. Joe Adams. Mr. Adams advised that he has received the notice from MOE in regards to the TRA. Mr. Adams informed me that they voluntarily report to NPRI and are significantly below the thresholds. They have the calculations available and on hand at all times in the event of someone requesting the information, but will not be reporting to NPRI this year. TRA does not apply.

Links & Comments:

Attachments Names: Sleegers Tanks Inc.pdf

Date & Time of Incident	Incident Date Confirmation? Actual 2012/05/31		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	<input type="radio"/> Yes	<input checked="" type="radio"/> No	<input type="radio"/> To be determined
---	---------------------------	-------------------------------------	--

Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
------	--------------	---------------------------------	------	------------

Offence(s)

Suspected Violation(s)/Offence(s):
Act - Regulation - Section,
Description
{General Offence}

Provincial Officer:

Name: Sheldon MacNeil
Badge No:

Work Unit: Unit 2
District/Area Office: Sector Compliance Branch
Date: 2013/08/26

Signature:

Manager:

Name: Shyrin Hirji

Work Unit:
District/Area Office:
Date: 2013/09/10

Signature:

Number:			
SAC Action Class:	Air Spills - Gases and Vapours		
Non-Standard Procedure:	No		
ERP Call-out Initiated:	No		

Client(s)

Client Details
Edpro Energy Group Inc. Mailing Address: 880 South Service Rd, Hamilton, Ontario, Canada, L8E 5M7 Physical Address: 880 South Service Rd, Hamilton, City, Ontario, Canada, L8E 5M7 Telephone: (519)690-0000 Client #: 0533-7FFK8C, Client Type: Corporation

Site(s)

Site Details
Edpro Energy <UNOFFICIAL> Address: Lot: , Part: , 980 Green Valley Rd. , London, City, County of Middlesex District Office: London - District

Incident Information

Incident Summary:	Edpro Energy - pinhole leak on propane tank. <i>cannot be longer than 60 characters</i>
Incident Description:	<p>Caller reported that there is a leak of propane from a 60,000 litre capacity stationary tank in south London tonight. It is a small leak from a liquid valve. No further details known by caller. Contact at the scene is Mike Sophocleous (519-521-2013).</p> <p>23:33: SAC to Mike Sophocleous at the scene, phone not working.</p> <p>23:40: SAC to the London Fire Dept., dispatch: 519-661-5618, briefed, will have Mike Sophocleous call SAC.</p> <p>23:45: From Mike Sophocleous of the London Fire Dept., he reported that there was a pinhole leak on a propane tank at Edpro Energy at 980 Green Valley Rd. (Joe Erskin CEO, 519-690-0000). Leak was caused by ice buildup above the shutoff valve. Leak has been stopped.</p> <p>Copy to TSSA.</p> <p>=====</p> <p>Follow up with Joe Erskin November 24, 2011. Leak was stopped and the information in the attached report was discussed.</p> <p>No further action required at this time.</p>

Links & Comments:
Attachments Names: Propane Leak at 980 Green Valley Road.htm

Date & Time of Incident	Incident Date Confirmation? Actual 2011/11/23 20:30		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	

Environmental Impact:

Nature of Impact:

Incident Cause:

Incident Reason:

Damaged Party:

No

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
PROPANE VAPOUR	36	1978		0	other - see incident description	

Controller of Material:

Owner of Material:

Estimated Clean Up Cost:

Who Cleaned Up:

% Clean Up:

%

Agencies Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?

☐ Yes

☒ No

☐ To be determined

Voluntary / Mandatory Compliance Items

Type Parent RefNo Work Summary (may be truncated)

Date

AttainList

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section,
Description
(General Offence)

Provincial Officer:

Name:

Jeff Mills

Badge No:

1288

Work Unit:

London District

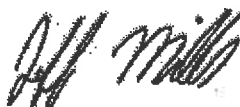
District/Area Office:

London District Office

Date:

2012/02/09

Signature:



Supervisor:

Name:

Angela Whiteley

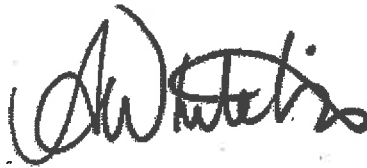
Work Unit:

District/Area Office:

Date:

2012/11/10

Signature:

A handwritten signature in black ink, appearing to read 'A Whiteley', written in a cursive style.

From: Joe Erskine [jerskine@edproenergy.com]

Sent: November 25, 2011 12:09 PM

To: Mills, Jeff (ENE)

Subject: Propane Leak at 980 Green Valley Road

Jeff, in follow-up to our discussion on the events surrounding the propane leak that occurred at the EDPRO Energy Group Inc. terminal on Wednesday, November 23, at 980 Green Valley Road in London, as requested the following provides a summary of what occurred and the results some further analysis. The new information since our meeting yesterday is shown in *italics*.

- At approximately 9:30pm a leak was observed coming from a hose end valve at the NW corner of the propane terminal. The driver who initially identified the leak attempted to isolate and stop the leak by trying to ensure the leaking valve was fully closed and by activating the emergency shut-down system.
- *We subsequently determined that this segment of piping had previously been used at ~ 7:15pm, so the leak would have started after this.*
- Emergency procedures were activated at ~9:55 when the driver felt the leak was not stopping.
- I arrived on the scene at ~ 10:20pm
- At ~10:40pm I was permitted onto the terminal property by London Fire Services. At that time I witnessed evidence of a liquid propane leak that had caused frosting of the hose end valve and an audible leak. There was no pooling or visible vapour cloud.
- By ~10:45pm I had completely vented the remaining propane from the affected hose and verified that there was no longer any propane being released. I isolated the section to prevent any use until fully repaired.
- The piping segment where the release originated consisted of 15ft of 2" hose and 4ft of 2" pipe. *We have calculated this to contain approximately 12 litres of propane, which is the total volume released to atmosphere (my initial estimate had been 30 litres).*

Please advise if you have any further questions.

Joe Erskine

EDPRO

519.690.0000 bus

519.266.3263 direct

www.edproenergy.com

000011

INCIDENT REPORT

Reference Number:	5651-7Z9MMT	File Storage Number:	SI 100
Module:	Incident Reporting	Module Type:	Pollution Incident Report (PIR)
Cross Reference:	(doc link)	Task Link:	0366-7Z9MPH
Originating Document:		Created by:	Amanda Denault
Incident Report Reference Number:	5651-7Z9MMT		
Date Created:	2009/12/31	Date Completed:	2011/07/29
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed		
Program	Outreach/Pollution prevention	Activity:	Outreach

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

☐ Yes ☒ No ☐ To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:	
First Name	Last Name
Amanda	Denault
Contact Mailing Address	
Municipality:	
n/a	

Reported By:

MOE Information

Date & Time Reported to MOE:	2009/11/25 11:43		
Office Receiving Incident Report:	West Central Region		
Incident Info Received By:	Amanda Denault		
MOE Response:	No Field Response	Site Region:	Southwestern
Date & Time of MOE Arrival at Scene:			
Master Incident Report Number:			
SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client(s)

Client Details

s.N/R

s.N/R

s.N/R

Sleegers Tanks Inc.

Mailing Address: 980 Green Valley Rd, London, Ontario, Canada, N6N 1E3

Physical Address: 980 Green Valley Rd, London, City, County of Middlesex, Ontario, Canada, N6N 1E3

Telephone: (519)685-7444, FAX: (519)685-2882, email: jadams@sleegers.on.ca

Client #: 1805-7LSMAN, Client Type: Corporation, NAICS: 33242

s.N/R

s.N/R

Site(s)

Site Details

s.N/R

s.N/R

s.N/R

s.N/R

+ + + +

980 Green Valley Road
Address: 980 Green Valley Rd, London, City, County of Middlesex
District Office: London - District
Site #: 8968-7LSP7N

+ + + +

s.N/R

s.N/R

s.N/R

s.N/R

Incident Information

Incident Summary:	Group 6 Self-Assessment Air Program FY 2009/2010 <i>cannot be longer than 60 characters</i>
Incident Description:	Group 6 includes facilities from the Barrie, Peterborough, Cornwall, Kenora, Kingston, London, North Bay, Ottawa, Owen Sound, Sudbury, Timmins and Windsor District Offices, from NAICS 313, 324, 331, 332, and 335 that were not inspected in the past 3 fiscal years and are not planned for inspection in 09/10. This mail-out was completed on November 25, 2009.

Links & Comments:

Attachments Names:

Date & Time of Incident	Incident Date Confirmation? Actual 2009/11/25		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]

Controller of Material:	Owner of Material:
Estimated Clean Up Cost:	Who Cleaned Up:
% Clean Up: %	Agencies Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?

☐ Yes

☒ No

☐ To be determined

Voluntary / Mandatory Compliance Items

Type Parent RefNo Work Summary (may be truncated)

Date

AttainList

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section,
Description
{General Offence}

Provincial Officer:

Name:

None Assigned

Badge No:

Work Unit:

District/Area Office:

Date:

Signature:

Supervisor:

Name:

Wally Rozenberg

Work Unit:

Operational Services Unit

District/Area Office:

West Central Region

Date:

2011/07/29

Signature:

From: squibell@tssa.org on behalf of [Public Information Services](#)
To: [Stenson, Jennifer](#)
Subject: Re: 1522569 (17000) Database Search
Date: Tuesday, June 30, 2015 2:58:13 PM

Hi Jennifer,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Thank you and have a great day!

Regards,

Sarah Quibell

Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY

"Putting Public Safety First"

14th Floor, Centre Tower

3300 Bloor Street West

Toronto, ON M8X 2X4

www.tssa.org

Toll-Free: 1-877-682-8772

On Tue, Jun 30, 2015 at 2:53 PM, Stenson, Jennifer <Jennifer_Stenson@golder.com> wrote:

Hello,

Could you please perform a TSSA database record search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the property located at:

- **1265 Carling Avenue, Ottawa, ON**
- **1321 Carling Avenue, Ottawa, ON**

Thank you,

Jennifer

Jennifer Stenson, B.Sc. (Hons) | Environmental Specialist | **Golder Associates Ltd.**

100 Scotia Court, Whitby, Ontario, Canada L1N 8Y6

T: [+1 \(905\) 723 2727](tel:+19057232727) | **D:** [+1 \(905\) 723 5491 Ext. 6931](tel:+19057235491) | **C:** [+1 \(905\) 259 5775](tel:+19052595775) | **F:** [+1 \(905\) 723 2182](tel:+19057232182) |

E: Jennifer_Stenson@golder.com | www.golder.com

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From: squibell@tssa.org on behalf of [Public Information Services](#)
To: [Zdanowski, Lena](#)
Subject: Re: Database Search
Date: Wednesday, July 29, 2015 11:26:12 AM

Hi Lena,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Thank you and have a great day!

Regards,

Sarah Quibell

Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY
"Putting Public Safety First"
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

www.tssa.org

Toll-Free: 1-877-682-8772

On Wed, Jul 29, 2015 at 11:23 AM, Zdanowski, Lena <Lena_Zdanowski@golder.com> wrote:

Hello,

Could you please perform a TSSA database record search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the following locations:

- 1315 Carling Avenue, Ottawa
- 1299 Carling Avenue, Ottawa
- 1297 Carling Avenue, Ottawa
- 1295 Carling Avenue, Ottawa
- 1287 Carling Avenue, Ottawa
- 1285 Carling Avenue, Ottawa
- 1277A Carling Avenue, Ottawa
- 1277 Carling Avenue, Ottawa
- 1271 Carling Avenue, Ottawa
- 1255 Carling Avenue, Ottawa

Thanks,

Lena

Lena Zdanowski EPT. | Phase I ESA Technician | **Golder Associates Ltd.**

100 Scotia Court, Whitby, Ontario, Canada L1N 8Y6

T: [+1 \(905\) 723 2727](tel:+19057232727) | **D:** [+1 \(905\) 723 5491 Ext. 6621](tel:+19057235491) | **C:** [+1 \(905\) 259 2780](tel:+19052592780) | **F:** [+1 \(905\) 723 2182](tel:+19057232182) |

E: Lena_Zdanowski@Golder.com | www.golder.com

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copied, forwarded or distributed without authorization. If you have received this message in error,

please notify the sender immediately and delete the original message.



APPENDIX D

Site Photographs



Photo 1 – Shopper's Drug Mart (facing west).

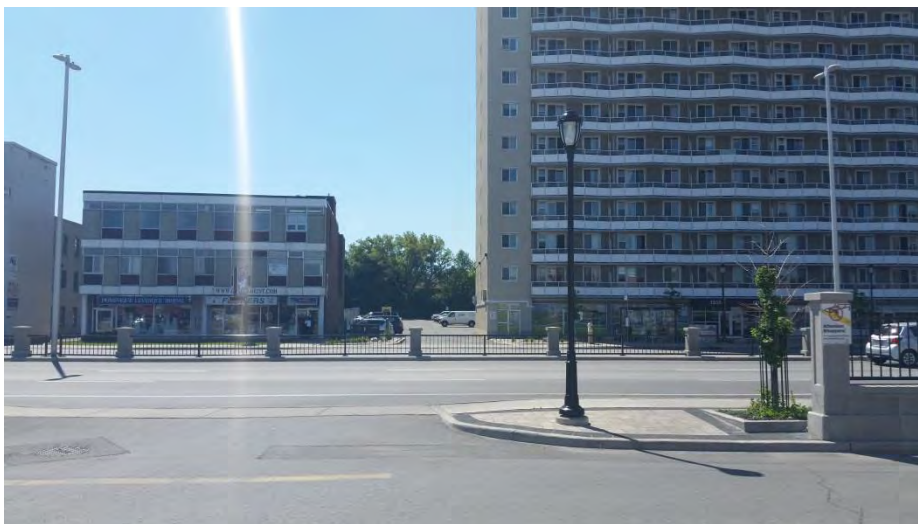


Photo 2 – Carling Avenue and Study Area (facing south).

CLIENT

RioCan Management Inc.

CONSULTANT



YYYY-MM-DD 2015-06-24

TAKEN BY JL

CHECKED BY DP

PROJECT

Phase One Environmental Site Assessment

TITLE

Photographic Record

PROJECT No. 15225691 (17000)

FIGURE

A1



Photo 3 – Monkey Joe's restaurant (facing north).



Photo 4 – Merivale Road and the Hydro Ottawa Sub-Station (facing east).

CLIENT

RioCan Management Inc.

CONSULTANT



YYYY-MM-DD 2015-06-24

TAKEN BY JL

CHECKED BY DP

PROJECT

Phase One Environmental Site Assessment

TITLE

Photographic Record

PROJECT No. 15225691 (17000)

FIGURE

A2



Photo 5 – High voltage power lines north of the shopping centre and running north and east of the Site (facing north).



Photo 6 – Merivale Road and the Hydro Ottawa Sub-Station (facing east).

CLIENT

RioCan Management Inc.

CONSULTANT



YYYY-MM-DD 2015-06-24

TAKEN BY JL

CHECKED BY DP

PROJECT

Phase One Environmental Site Assessment

TITLE

Photographic Record

PROJECT No. 15225691 (17000)

FIGURE

A3



Photo 7 – Carling Avenue and the Study Area (facing south).



Photo 8 – Southern Site boundary (facing west).

CLIENT

RioCan Management Inc.

CONSULTANT



YYYY-MM-DD 2015-06-24

TAKEN BY JL

CHECKED BY DP

PROJECT

Phase One Environmental Site Assessment

TITLE

Photographic Record

PROJECT No. 15225691 (17000)

FIGURE

A4



Photo 9 – Site and Westgate Shopping Centre (facing north).



Photo 10 – Southern Site boundary (facing west from the south eastern corner of the Site).

CLIENT

RioCan Management Inc.

CONSULTANT



YYYY-MM-DD 2015-06-24

TAKEN BY JL

CHECKED BY DP

PROJECT

Phase One Environmental Site Assessment

TITLE

Photographic Record

PROJECT No. 15225691 (17000)

FIGURE

A5



Photo 11 – Adjacent office building showing elevation change (facing west from the western Site boundary).

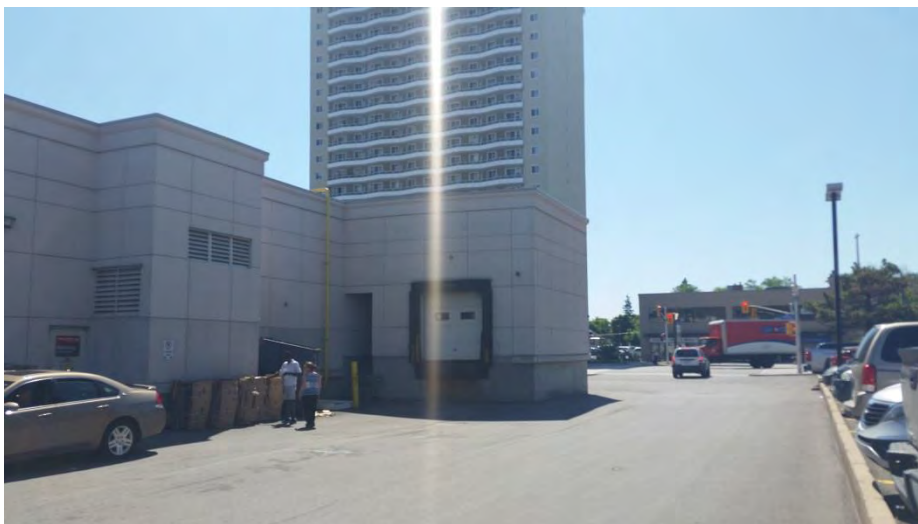


Photo 12 – Rear of the Shopper's Drug Mart and the loading dock. Garbage and recycling for the Shopper's Drug Mart is stored at the rear in a dumpster (facing southeast).

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FIGURE

A6

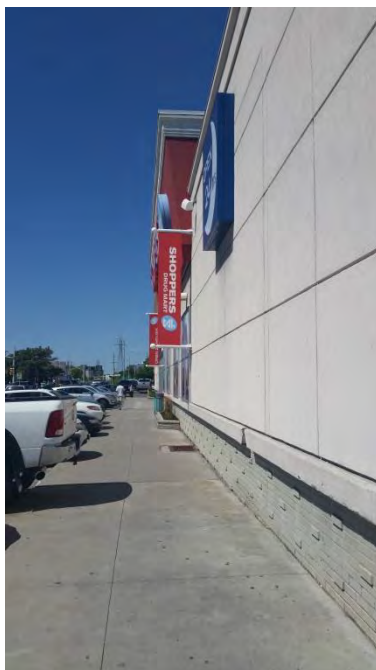


Photo 13 – South wall of the Shopper's Drug Mart (facing west).

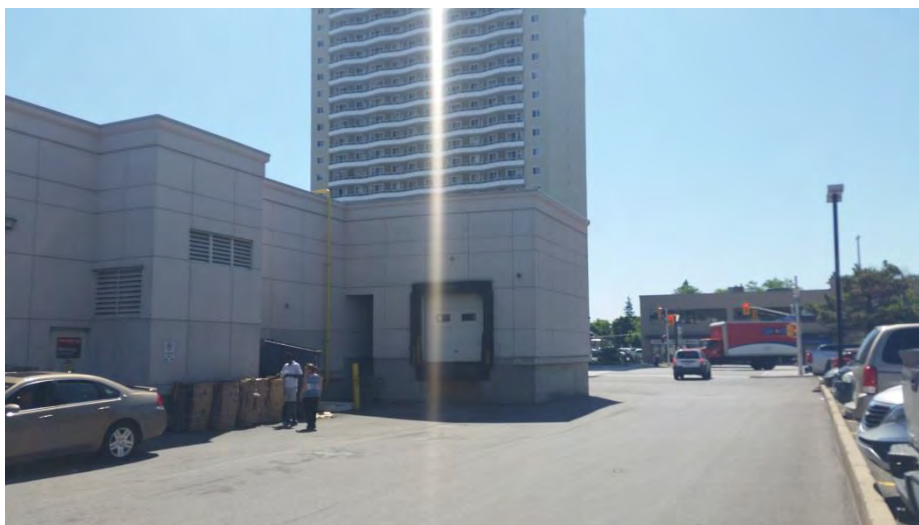


Photo 14 – Rear of the Shopper's Drug Mart and the loading dock. Garbage and recycling for the Shopper's Drug Mart is stored at the rear in a dumpster (facing southeast).

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FIGURE

A7



Photo 15 – View facing west from the centre of the Site.



Photo 16 – View from the centre of the Site facing east.

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FIGURE

A8



Photo 17 – Interior of Monkey Joe's.



Photo 18 – Monkey Joe's Kitchen.

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FIGURE

A9



Photo 19 – Refrigeration at Monkey Joe's Restaurant.



Photo 20 – Monkey Joe's Kitchen.

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FIGURE

A10



Photo 21 – Grease storage at Monkey Joe's.



Photo 22 – Solid waste storage at Monkey Joe's.

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FIGURE

A11

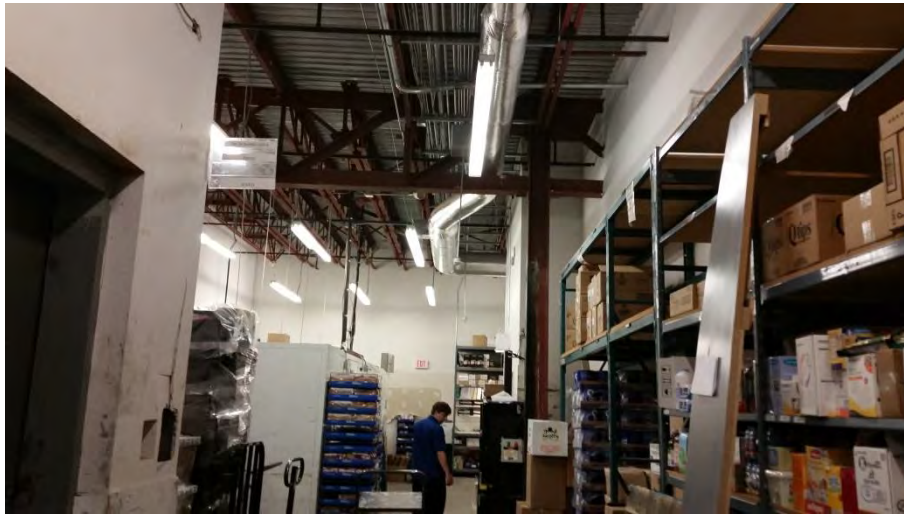


Photo 23 – Product storage and fluorescent lighting in the main floor storage area at Shopper Drug Mart. The elevator is at the left.



Photo 24 – Stairs to the basement in the Shopper's Drug Mart.

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FIGURE

A12

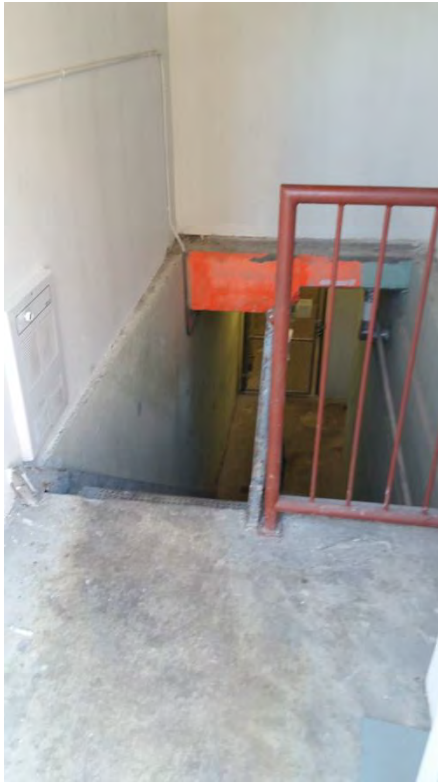


Photo 25 – Secondary staircase at the Shopper's Drug Mart.



Photo 26 – Main floor area at Shopper's Drug Mart.

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FIGURE

A13



Photo 27 – refrigeration units on the main shopping floor of Shopper's Drug Mart.



Photo 28 – Refrigeration unit in the back of the Shopper's Drug Mart.

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FIGURE

A14

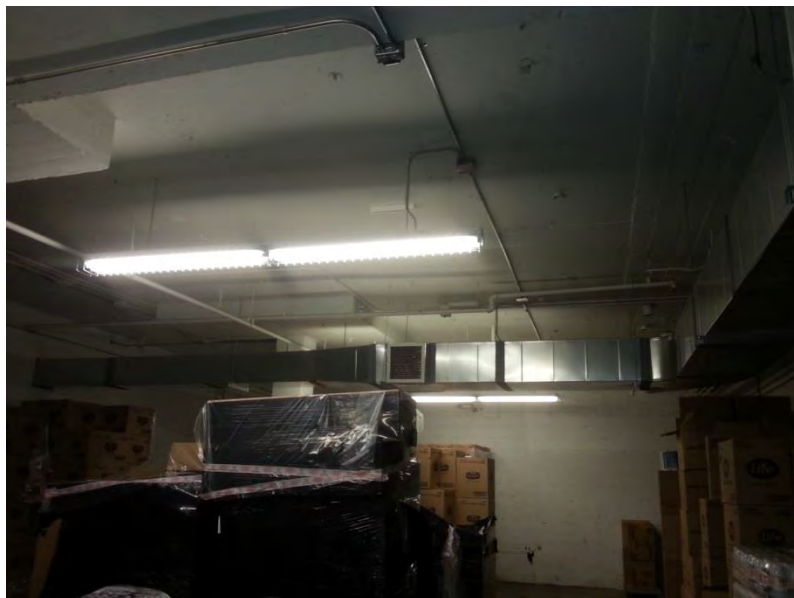


Photo 29 – Basement of the Shopper's Drug Mart, the area that has been cleared of asbestos and underwent a lighting retrofit.

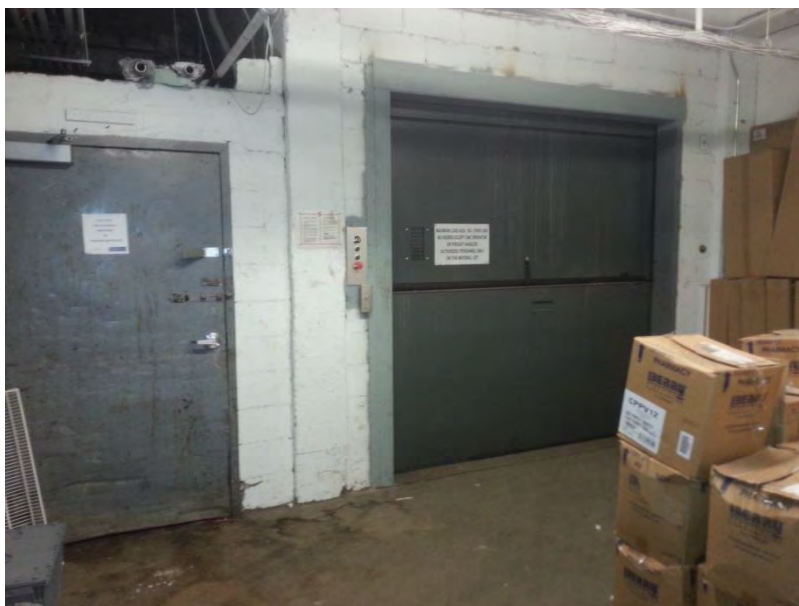


Photo 30 – Basement elevator door.

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FIGURE

A15



Photo 31 – Basement hallway. No lighting retrofit. Asbestos insulation is present on pipes and paint is original to the former Steinberg's Grocery Store.



Photo 32 – Asbestos insulation on pipes.

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FIGURE

A16



Photo 33 – Air tank reported to be associated with the out-of-service boilers before switching to natural gas. Also, old fluorescent lights shown.



Photo 34 – Existing ceiling heaters (out of service).

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FIGURE

A17



Photo 35 – Sump pump in basement.



Photo 36 – View in the sump pit.

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FIGURE

A18



Photo 37 – Compressors and pump associated with the historical cooling units used in the grocery store (out-of-service). Old Carrier units.



Photo 38 – Sprinkler system infrastructure and mold on the ceiling.

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FIGURE

A19



Photo 39 – Out-of-service fire extinguishers.



Photo 40 – Existing forced air infrastructure in the basement (out-of-service) and asbestos covered pipes. Also shown are older style fluorescent bulbs.

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FIGURE

A20



Photo 41 – Out-of-service HVAC unit.



Photo 42 – Location indicated by the Site Representative that a back-up generator was situated (pipes on the wall would have lead to a tank, which no longer exists).

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FIGURE

A21



Photo 43 – Former lunchroom.

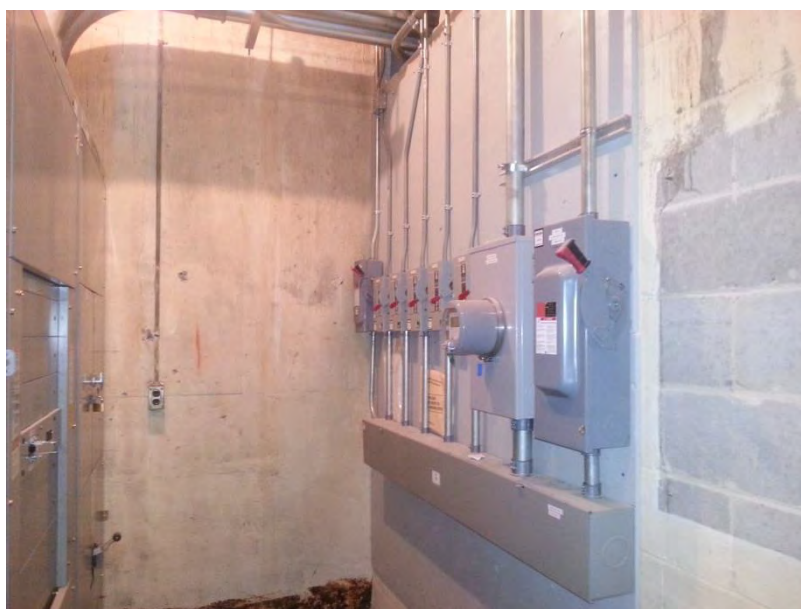


Photo 44 – Updated electrical room. Electrical work was completed prior to Shopper's Drug Mart taking over the space.

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FIGURE

A22



Photo 45 – “Transformer Room”. Site Representative indicated this was Hydro Ottawa access only. Sign above the door reads ‘Transformer Room’.



Photo 46 – Out of service electrical panel.

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FIGURE

A23



Photo 47 – Possible asbestos ceiling tiles and floor tiles.



Photo 48 – Significant mold and water damage in the basement hallway. Water was coming in through the concrete foundation.

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FIGURE

A24



Photo 49 – Former kitchen area.



Photo 50 – Basement area. Shopper's Drug Mart employees are not to access the basement area.

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FIGURE

A25



Photo 51 – Eastern wall of the mall. Entrance to Pet Valu and BitHeads. Emergency exit doors from former cinema.



Photo 52 – Pole mounted transformers and power lines run north of the mall.

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FIGURE

A26



Photo 53 – North wall of the mall. Emergency exit from BitHeads. Canada Post delivery bay and hydraulic lift.



Photo 54 – Rear mall entrance and most northern parking areas on-Site.

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FIGURE

A27



Photo 55 – Mall trash and recycling compactors located in the northern parking area. No staining observed.



Photo 56 – Rear of mall. Grease storage container for restaurants in the food court.

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FIGURE

A28



Photo 57 – Northern wall of the mall.



Photo 58 – Front (south) side of the mall. Facing north, taken from Carling Avenue.

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FIGURE

A29



Photo 59 – Front of the mall. Taken from Carling Avenue, facing northwest.



Photo 60 – Facing West (taken from the Merivale Road parking lot entrance).

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FIGURE

A30

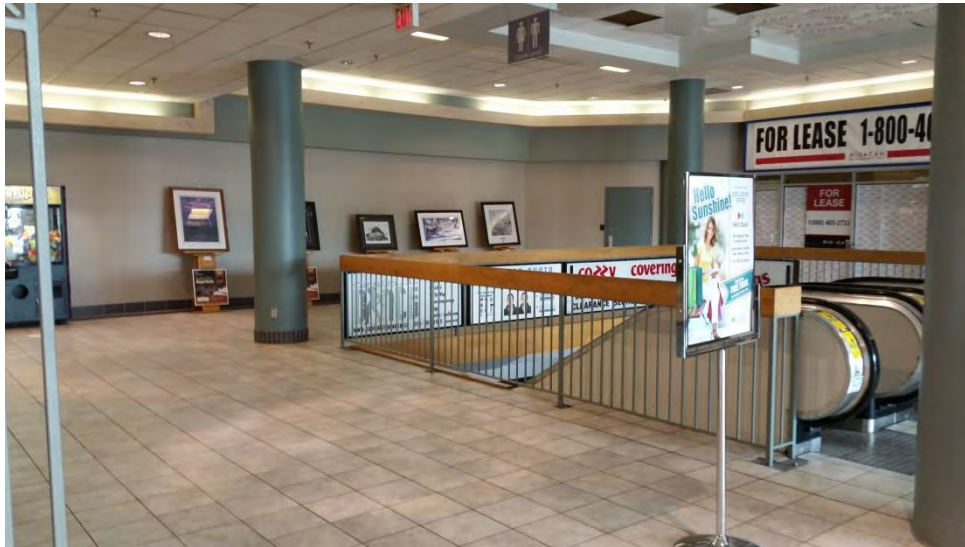


Photo 61 – Inside the main entrance of the mall. Escalators shown lead to the basement level.



Photo 62 – Facing west (inside the mall).

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FIGURE

A31



Photo 63 – Inside the mall. Food court.

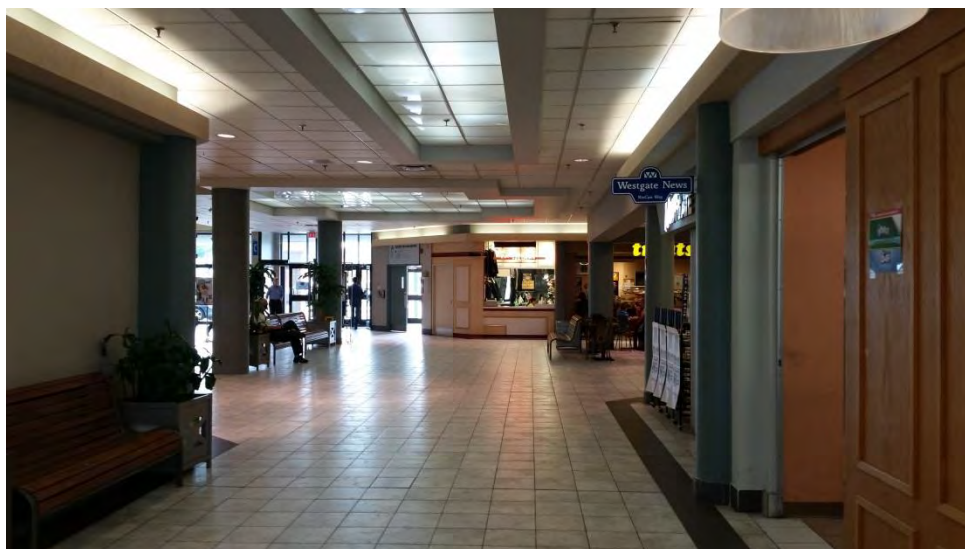


Photo 64 – Inside the mall.

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FIGURE

A32



Photo 65 – Basement level. Sump pit in Cozy Coverings.



Photo 66 – Sump pit in Cozy Coverings back room. 2 working electrical pumps and 1 out-of-service gas powered pump.

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FIGURE

A33



Photo 67 – Inside sump pit in the back room of Cozy Coverings.



Photo 68 – Food Court (vacant space).

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FIGURE

A34



Photo 69 – Mall main level vacant unit.



Photo 70 – Indoor portion of roof mounted HVAC equipment. All natural gas powered and the majority of tenants are responsible for their own maintenance.

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FIGURE

A35



Photo 71 – Transformer unit in a tenant space.



Photo 72 – Upgraded electrical room in the location of a former utility room.

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FIGURE

A36



Photo 73 – Upgraded electrical room in the location of a former utility room.



Photo 74 – Staining on ceiling tiles in Rockin' Johnny's Restaurant.

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FIGURE

A37

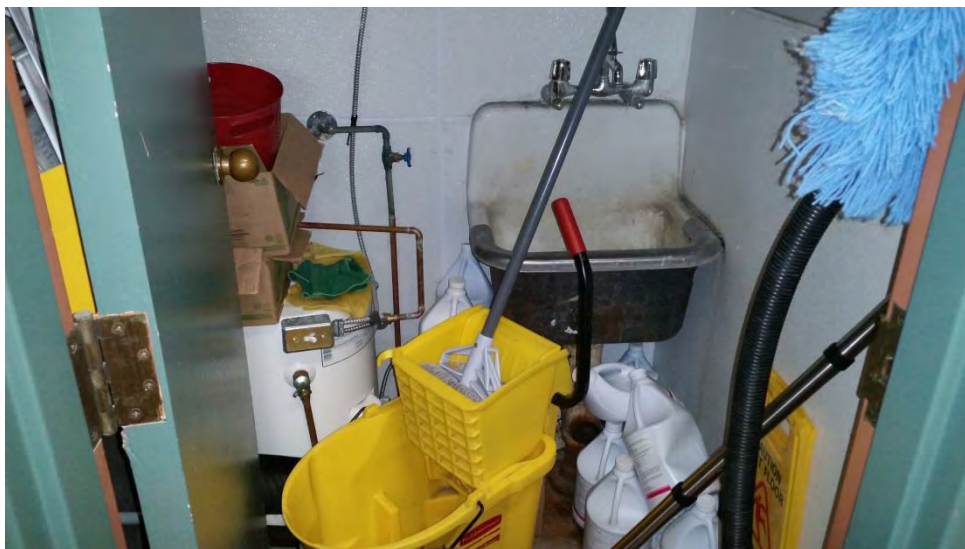


Photo 75 – Individual hot water heaters in tenant spaces. General cleaning chemicals in tenant spaces.



Photo 76 – Mercury thermometer in a tenant space (dollar store).

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FIGURE

A38



Photo 77 – Marianne's clothing store.



Photo 78 – Electric conveyor to enable second storey storage at Marianne's.

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FIGURE

A39



Photo 79 – Former electrical vault that has been decommissioned. Located on the western side of the mall.

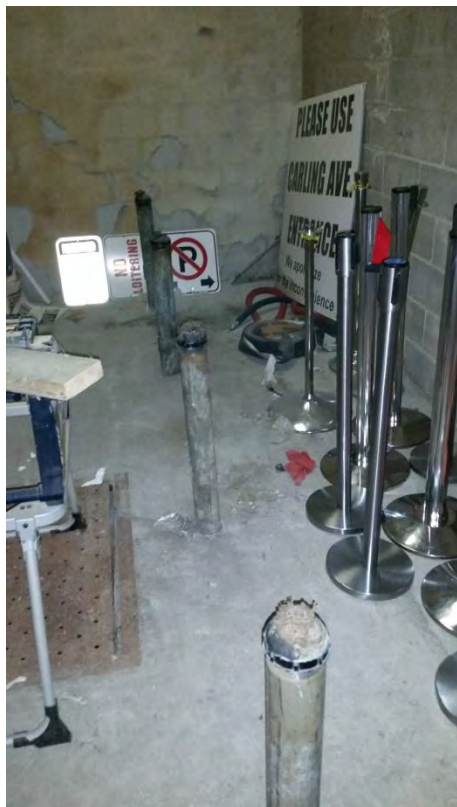


Photo 80 – Former electrical vault that has been decommissioned. Located on the western side of the mall.

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FIGURE

A40



Photo 81 – Boiler room. Former boilers have been replaced with natural gas boilers. Much infrastructure from the original boilers has been retrofit to work with the newer natural gas boilers. Equipment for the dentists office is also located in the boiler room.



Photo 82 – Water for the main mall is accessed from the boiler room.

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FIGURE

A41



Photo 83 – Valves controlling air flow to some tenant spaces and the mall corridors.



Photo 84 – Dental equipment.

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FIGURE

A42



Photo 85 – Natural gas boiler.



Photo 86 – Air tank. In use with the updated boiler system.

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FIGURE

A43



Photo 87 – There is supplemental electric heat near many of the exterior doors (i.e., electrical rooms accessed from outside and tenant staff and loading doors).



Photo 88 – Sprinkler risers.

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FIGURE

A44



Photo 89 – Second floor vacant tenant space.



Photo 90 – Storage of cleaning chemicals in a storage closet

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FIGURE

A45



Photo 91 – Canada Post tenant space.



Photo 92 – BitHeads tenant space (outside of the remaining movie theatre space).

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FIGURE

A46

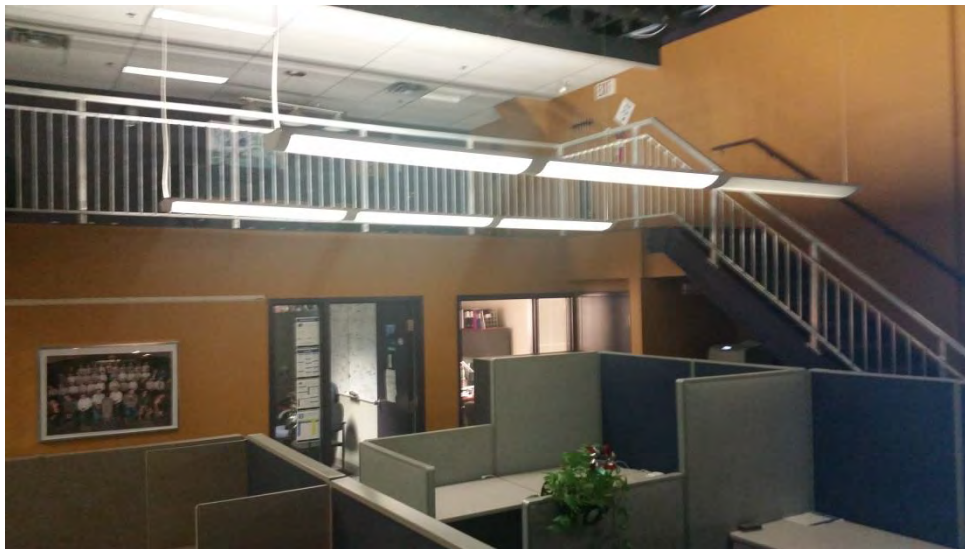


Photo 93 – BitHeads multi-level space.



Photo 94 – Rooftop unit for the BitHeads space.

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FIGURE

A47

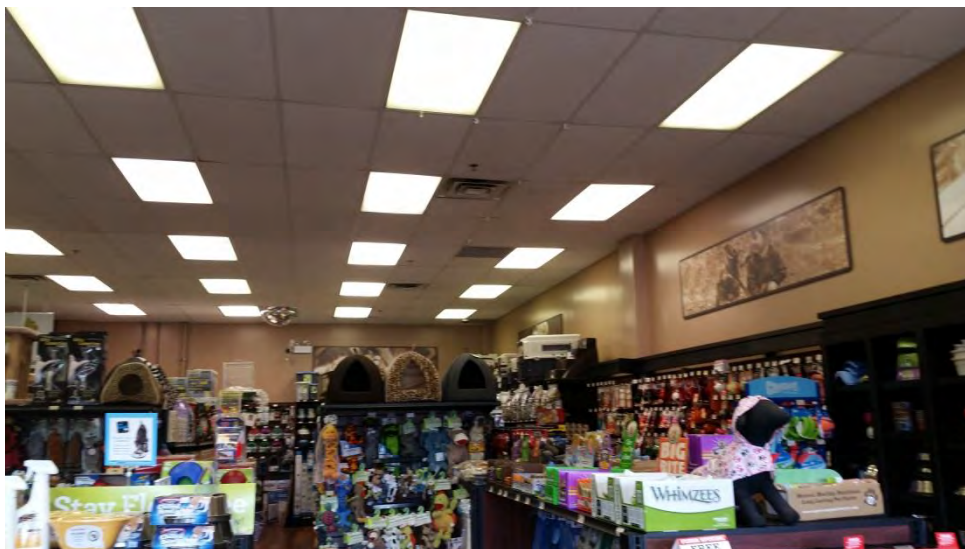


Photo 95 – Interior of Pet Valu. Space is recently renovated. Most tenant spaces are renovated when a new tenant leases the space.

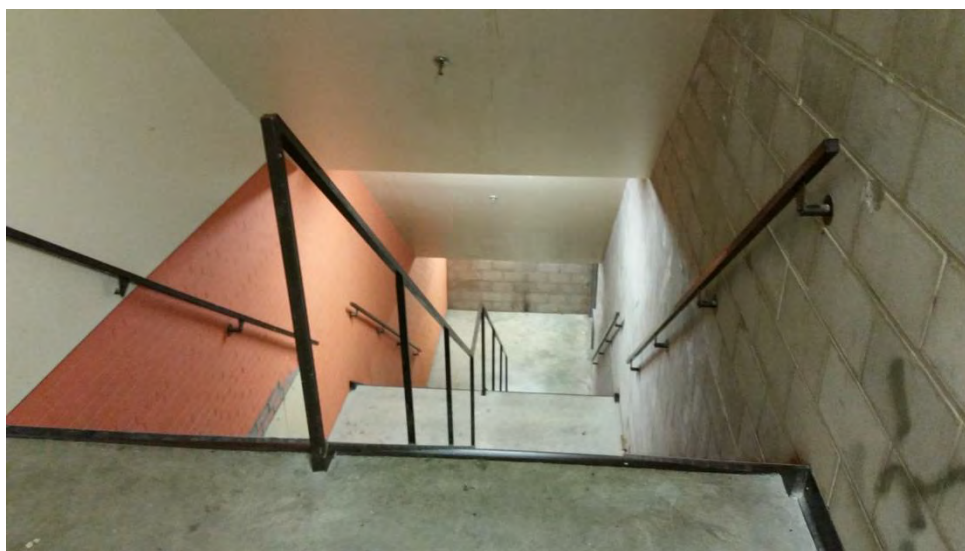


Photo 96 – One of the staircases to emergency exits for the former movie theatre.

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FIGURE

A48



Photo 97 – Second floor hallway (former entrance area to the theatre).



Photo 98 – Location of sump pit on the basement floor of the mall at the bottom of the escalator.

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FIGURE

A49



Photo 99 – Hydro vault in the basement of the mall (east end of the mall).



Photo 100 – Former boiler room for the east block of the mall. Now converted to an updated electrical room.

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FIGURE

A50



Photo 101 – Concrete pad where the Site Representative indicated a former boiler was located. There is also a hot water heater in the former boiler room.



Photo 102– Former boiler room . Infrastructure for old boiler.

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FIGURE

A51



Photo 103– Sewage collection pumps. Sewage from the eastern part of the building is collected in the pit and pumped to the City of Ottawa sewer.



Photo 104– An array of pipes in the former boiler room.

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FIGURE

A52

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