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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 28 & 30 PRETORIA AVENUE OTTAWA, ON

Submitted to:

JB Holdings Inc. 107 Pretoria Avenue Ottawa, ON K1S 1W8

Prepared by:

BluMetric Environmental Inc.

3108 Carp Road P.O. Box 430 Ottawa, ON K0A 1L0

Project Number: 180623

26 November 2019

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1. INTRODUCTION

In September 2018 BluMetric Environmental Inc. (BluMetric[™]) was retained by Royal LePage Performance Realty (Royal LePage) on behalf of JB Holdings Inc. to prepare a Phase One Environmental Site Assessment (ESA) of the properties located at 28 & 30 Pretoria Avenue in Ottawa, Ontario (subsequently referred to as the "Phase One Property"). This Phase One ESA is being performed for due diligence purposes, to identify environmental liabilities, if any, on the Phase One Property prior to its redevelopment in general accordance with Ontario Regulation 153/04, as amended (O. Reg. 153/04). This Phase One ESA report could be used, with some minor modifications as support for the submission of a Record of Site Condition (RSC). It has been prepared to meet the requirements described in O. Reg. 153/04. The Phase One Property is located in Ottawa, Ontario, as shown in Figure 1.

1.1 Phase One Property Information

Municipal Address(s), Property Identification Number (PIN) and Property Description

As provided by the City of Ottawa, the Phase One Property has municipal address of:

- 28 Pretoria Avenue, Ottawa, Ontario K1\$ 1W7
- 30 Pretoria Avenue, Ottawa, Ontario K1\$ 1W7

As provided by the City of Ottawa, the legal description of the Phase One Property is:

- 28 Pretoria Avenue: Ward 17, Part of Lot 2, Registered Plan 53786 (PIN) 041320189
- 30 Pretoria Avenue: Ward 17, Part of Lot 1, Registered Plan 53786 (PIN) 041320188

Name, Address, and Other Contact Information for the Property Owner:

The Phase One Property is currently owned by:

- Arthur and Kerry Hodgins (28 Pretoria Avenue)
- William and Barbara Jung (30 Pretoria Avenue)



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Name, Status, and Other Contact Information for Any Other Person who Engaged the Qualified Person to conduct the Phase One ESA:

The principal client contact is as follows:

JB Holdings Inc. 107 Pretoria Avenue Ottawa, Ontario K1S 1W8 Office: 613-695-6767

www.jbholdingsinc.ca

1.2 TERMS OF REFERENCE

In general terms, the purpose of a Phase One ESA is to determine if a property is subject to actual or potential contamination. The tasks of a Phase One ESA typically include:

- Reviewing environmental source information about the Phase One Property;
- Inspecting the Phase One Property for evidence of current or past potentially contaminating activities (PCAs) that could contribute to areas of potential environmental concern (APECs);
- Noting PCAs in the Phase One Study Area that could contribute to APECs at the Phase One Property;
- Interviewing site personnel or other knowledgeable parties about past and present operations and activities;
- Reviewing environmental documentation and site operating records that the property owner, operator, or client can provide;
- Making inquiries to provincial and municipal agencies about environmental records on file:
- Identifying APECs on the Phase One Property; and,
- Using the assembled information to prepare a report.

Since Phase One ESAs do not include the testing of samples or the measuring of environmental parameters, the conclusions presented in a Phase One ESA report often are limited to identifying PCAs that may contribute to APECs at the Phase One Property.



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1.3 GENERAL DESCRIPTION OF THE PHASE ONE PROPERTY

As provided by the City of Ottawa, the Phase One Property has a total area of approximately 0.19 acres (0.07 hectares) and is rectangular in shape with a frontage of approximately 25 m along Pretoria Avenue and a depth of approximately 30 m, as shown in Figure 2. The Phase One Property is currently developed with two multi-level residential buildings, one detached garage and two paved driveways while the remaining portions of the Phase One Property are landscaped. The Phase One Property is located on the south side of Pretoria Avenue and currently zoned Residential Fourth Density Zone (R4S). The Phase One Property is immediately surrounded to the south and west by residential land use (R3, R4 and R5), commercial/mixed land use (LC1) to the west and commercial/mixed land use (GM4) to the north.

Based on the fire insurance maps, the Phase One Property was developed prior to 1912. Prior to its original construction, it is suspected the Phase One Property was vacant and used for recreational purposes, but this cannot be confirmed based on the information reviewed.

SCOPE OF INVESTIGATION

This Phase One ESA is being performed for due diligence purposes, to identify environmental liabilities, if any, on the Phase One Property prior to its redevelopment.

The following tasks were undertaken in September 2018 to prepare this report:

- A review of records. Requests for information were filed with the Technical Standards and Safety Authority (TSSA), the Ministry of the Environment, Conservation and Parks (MECP), the City of Ottawa, and ECOLOG ERIS (which also included a search for Fire Insurance Maps, provided by Opta Information Intelligence);
- A review of existing environmental reports, if any;
- An assessment of the physical site conditions;
- An interview was conducted for the Phase One Property;
- A reconnaissance of the Phase One Property and the Phase One Study Area;
- Based on the accumulated information, identification of any PCA within the Phase One Study Area that may represent an APEC for the Phase One Property; and,
- Presentation of the study findings in a Phase One ESA report.



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3. RECORDS REVIEW

3.1 GENERAL

3.1.1 Phase One Study Area

The qualified person (QP) determined that the conventional distance of 250 m from the Phase One Property boundary was adequate for defining the Phase One Study Area for all records reviewed, with the exception that a distance of 2 km was appropriate for reviewing records that pertain to active or former waste disposal sites, coal gasification plants, and coal tar sites, given that such sources can cause impacts that extend for distances of more than 250 m. The Phase One Property and Phase One Study Area are illustrated in Figure 3.

The search radius for historical records requested from ECOLOG ERIS was set to 250 m from the boundary of the Phase One Property. In these database searches, each property surrounding the Phase One Property was identified as a point representing the municipal address of a given property. In the historical records searches, the inclusion or exclusion of properties located partially within the Phase One Study Area depended on whether this point was located within the study area buffer created by ECOLOG ERIS.

The geographic location of the Phase One Study Area was assessed in consideration of regional topography sloping gradually to the east towards the Rideau Canal, located approximately 195 m to the east, and an inferred regional groundwater flow direction is towards the Ottawa River, located approximately 2.0 km to the northeast.

3.1.2 First Developed Use Determination

Based on the fire insurance maps, the Phase One Property was developed prior to 1912. Prior to its original construction, it is suspected the Phase One Property was vacant and used for recreational purposes, but this cannot be confirmed based on the information reviewed.

3.1.3 Fire Insurance Maps

A request was submitted to ERIS by BluMetric in September 2018. Fire Insurance Maps (FIM) for the years 1901, 1912, 1915, 1948, and 1963 were provided for review by Opta Information Intelligence and are summarized as follows:



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1901 – FIRE INSURANCE MAP FOR THE PHASE ONE PROPERTY

The FIM from 1901 does not show any residential properties on the Phase One Property. Three possible scenarios exist: the land was vacant and undeveloped, the land was recreational and occupied by the Metropolitan Athletic Grounds, or the land was developed with residential properties which were not included on the FIM. The actual land use on the Phase One Property in 1901 cannot be confirmed based on the information provided.

1901 – FIRE INSURANCE MAP FOR THE PHASE ONE STUDY AREA

The FIM from 1901 illustrates a small section of the Phase One Study Area including Metcalfe Street and Elgin Street bordering the Phase One Property. Wringers & Washer Fact. (J.H. Connor & Son) is to the east of the Phase One Property on Pretoria Avenue, at that time Jane Avenue. Ottawa Porcelain and Carbon Co. is north of the Phase One Property, located at 64 Isabella Street. There is office space, a store room, a warehouse, kilns, a machine shop, and an oil tank, presumable used for heating oil. A railway spur is visible at Ottawa Porcelain and Carbon Co. Fire Station No. 9 is noted at Jane Avenue and O'Connor Street; at this time, O'Connor did not continue south past Jane Avenue, as the Metropolitan Athletic Grounds occupied this space.

1912 – FIRE INSURANCE MAP FOR THE PHASE ONE PROPERTY

The FIM from 1912 illustrates Pretoria Avenue, Metcalfe Street and Elgin Street bordering the Phase One Property. Two separate residential units are visible and correspond to 28 and 30 Pretoria Avenue. No tanks or other information is identified for the Phase One Property.

1912 – FIRE INSURANCE MAP FOR THE PHASE ONE STUDY AREA

The FIM from 1912 illustrates a section of the Phase One Study Area from Catherine Street to Monkland Avenue, bordered by O'Connor Street and Elgin Street. Residential dwellings primarily occupy the area, but Wringers & Washers Fact. is located to the east of the Phase One Property on Pretoria Avenue. The factory is composed of a plumber's shed, a warehouse, a machine shop, an office, a kiln, and storage space. No tanks or other information is identified for the Phase One Property. It appears that O'Connor Street now continues south past Pretoria Avenue, which would have required the importation of fill. The Grand Trunk Railway is seen north of Isabella, with some coal storage located within the Phase One Study Area. There is a car building shop located south of Catherine, adjacent to the Grand Trunk Railway line.



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Manufacturers of Office Furniture (Library Bureau of Canada Ltd.) has replaced Ottawa Porcelain and Carbon Co. at 64 Isabella Street, just north of the Phase One Property. The building layout has remained largely the same, with a small extension in the kiln. A railway spur is visible inside the kiln extension. It is noted that there was a 20 000 gallon heating oil above ground storage tank (AST) at the furniture factory.

1915 – FIRE INSURANCE MAP FOR THE PHASE ONE STUDY AREA

The FIM from 1915 illustrates a section of the Phase One Study Area from Catherine Street to Pretoria Avenue, bordered by O'Connor Street and Elgin Street. No notable changes have occurred since 1912.

1948 – FIRE INSURANCE MAP FOR THE PHASE ONE PROPERTY

The FIM from 1948 illustrates Pretoria Avenue, with Metcalfe Street and Elgin Street bordering the Phase One Property. Two separate residential units are visible and correspond to 28 and 30 Pretoria Avenue. No tanks or other information is identified for the Phase One Property.

1948 – FIRE INSURANCE MAP FOR THE PHASE ONE STUDY AREA

The FIM from 1948 illustrates a section of the Phase One Study Area from Catherine Street to Pretoria Avenue, bordered by O'Connor Street and Elgin Street. Coal storage and oil tanks are seen along the railway, now known as the Canadian National Railway. Fire Station No. 9 is seen at Pretoria Avenue and O'Connor Street. An autobody shop and oil tank can be seen at O'Connor and Isabella. Forest Products Laboratories (Dept. of Interior) has replaced Manufacturers of Office Furniture (Library Bureau of Canada Ltd.) at 64 Isabella Street, just north of the Phase One Property. There is visible coal storage and a woodworking area at the laboratory. There does not appear to be a railway spur into the laboratory. Time & Marble Works has replaced Wringers & Washer Fact. (J.H. Connor & Son), just east of the Phase One Property. No tanks or other information is identified for the Phase One Property.

1963 – Fire Insurance Map for the Phase One Property

The FIM from 1963 illustrates Pretoria Avenue, with Metcalfe Street and Elgin Street bordering the Phase One Property. Two separate residential units are visible and correspond to 28 and 30 Pretoria Avenue. No tanks or other information is identified for the Phase One Property.



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1963 – FIRE INSURANCE MAP FOR THE PHASE ONE STUDY AREA

The FIM from 1963 illustrates a section of the Phase One Study Area from Catherine Street to Pretoria Avenue, bordered by O'Connor Street and Elgin Street. The main line of the Canadian National Railway is visible to the north of Isabella, but has been reduced. Coal storage and oil tanks are seen along the railway. Fire Station No. 9 is seen at Pretoria Avenue and O'Connor Street. Forest Products Laboratories (Dept. of Interior) is seen at 64 Isabella Street. The building layout has remained largely the same, and still uses coal as its heating source. An oil tank is visible. An autobody shop can be seen at O'Connor and Isabella. No tanks or other information is identified for the autobody shop. A machine shop can be seen on Isabella Street, east of the autobody shop. Patterson Motors Auto Repairs can be seen at Elgin Street and Catherine Street. No tanks or other information is identified for the autobody shop. Time & Marble Works is seen of the Phase One Property, and shares their Durie Mosaic & Marble Co. Ltd. No tanks or other information is identified for the Phase One Property.

PCAs were not identified for the Phase One Property from the FIM.

PCAs identified within the Phase One Study Area in the FIM include:

ltem	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
8.	Chemical Manufacturing, Processing and Bulk Storage	64 Isabella Street – Forest Products Laboratories (Dept. of Interior)
10.	Commercial Autobody Shops	O'Connor Street and Isabella Street – Autorepairs Elgin Street and Catherine Street - Patterson Motors Auto Repairs
24.	Fire Training	Pretoria Avenue and O'Connor Street – Fire Station No. 9
27.	Garage and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Car building shop for the Canadian National Railway located north of the Phase One Property.
28.	Gasoline and Associated Products Stored in Fixed Tanks	64 Isabella Street – Ottawa Porcelain and Carbon Co. 64 Isabella Street – Manufacturers of Office Furniture (Library Bureau of Canada Ltd.) 64 Isabella Street – Forest Products Laboratories (Dept. of Interior) O'Connor Street and Isabella Street – Autorepairs Oil tank for the Canadian National Railway located north of the Phase One Property.
30.	Importation of Fill Material of Unknown Quality	O'Connor Street south of Pretoria Avenue



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ltem	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
46.	Rail Yards, Tracks and Spurs	Canadian National Railway located north of the Phase One Property. 64 Isabella Street – Ottawa Porcelain and Carbon Co. 64 Isabella Street – Manufacturers of Office Furniture (Library Bureau of Canada Ltd.)
51.	Solvent Manufacturing, Processing and Bulk Storage	Pretoria Avenue (in the vicinity of current 16 Pretoria) – Wringers & Washer Fact. (J.H. Connor & Son) 64 Isabella Street – Manufacturers of Office Furniture (Library Bureau of Canada Ltd.)

Source: Table 2, Schedule D, O. Reg. 153/04

Correspondence with Opta Information Intelligence is provided in Appendix B.

3.1.4 Chain of Title

At the time of writing, a Chain of Title had not been received. If records are received following the issuance of this report which provide new environmental information that modifies the report conclusions, a revision will be prepared and issued.

Based on historical records collected as part of this Phase One ESA, the Phase One Property was confirmed to be residential since first developed land use in 1912.

3.1.5 Environmental Reports

No previous reports for the Phase One Property or properties within the Phase One Study Area were provided for review.

3.2 Environmental Source Information

It should be noted that each address or record in the ERIS database is assigned a geographic point and the distance value is the distance between plotted points not the distance from or between property boundaries.

Database records were identified within a 250 m radius of the Phase One Property (i.e. within the Phase One Study Area). All of the identified records were assessed to determine if they posed a potential risk to the environmental condition of the Phase One Property based on:



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- The type of record and the potential it could be related to/cause environmental contamination:
- The age of the record;
- The distance of the record from the Site boundary; and,
- The position of the record in relation to the Phase One Property (i.e. up-gradient or down-gradient).

A list and description of the databases searched is provided within the ERIS report in Appendix B.

3.2.1 Federal Government Database Records

A search of Federal Government database records was completed by ERIS in September 2018. No records of environmental interest or PCAs related to the Phase One Property or Phase One Study area were identified within the Federal Government database records.

3.2.2 Ontario Government Database Records

A search of Provincial Government database records was completed by ERIS in September 2018.

No records of environmental interest or PCAs related to the Phase One Property were identified within the Provincial Government databases searched. Records pertaining to the Phase One Study Area are summarized below.

PHASE ONE STUDY AREA

One record was found in the Commercial Fuel Oil Tanks (CFOT) database at the City of Ottawa Police Headquarters located at 474 Elgin Street, approximately 250 m north of the Phase One Property. There is one active, double wall, fuel oil underground storage tank (UST) made of fibreglass. Based on the proximity to the Phase One Property, the structure of the tank and the direction of groundwater flow, the risk, if any, is considered low and is not likely to pose an environmental concern.

One record was found in the Environmental Activity and Sector Registry (EASR) database at Elie Auto Body located at 120 Isabella Street, approximately 210 m northwest of the Phase One Property. The permit was approved in May 2016 for the use, operation, construction, alteration, extension or replacement of any structure, equipment, apparatus, mechanism or thing that is used for automotive refinishing.



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The auto body shop is located downgradient of the Phase One Property, therefore, the risk, if any, is considered low to moderate and is not likely to pose an environmental concern.

Six records were found in the Environmental Compliance Approval (ECA) database and are summarized below.

- One record is registered to Loblaw Properties Limited at 64 Isabella Street, approximately 80 m north of the Phase One Property. The approval was completed in July 2013 for storm water management works. The risk, if any, is considered low to moderate and is not likely to pose an environmental concern;
- One record is registered to City of Ottawa at the intersection of Elgin Street and Isabella Street, approximately 148 m northeast of the Phase One Property. The approval was completed in August 2013 for the replacement of storm sewers. The risk, if any, is considered low and is not likely to pose an environmental concern; and,
- Two records are registered to the City of Ottawa Police Headquarters at 474 Elgin Street, approximately 250 m north of the Phase One Property. The records are summarized below.
 - One record was approved for Industrial Air in December 2005. The approval included one natural gas fired boiler and two dual fuel (diesel oil and natural gas) fired boiler. The record was reapproved in December 2011. The risk, if any, is considered low and is not likely to pose an environmental concern; and,
 - o One record was approved for industrial Air and Noise in December 2011. The risk, if any, is considered low and is not likely to pose an environmental concern.

Two records were found in the Fuel Storage Tank (FST) database at the City of Ottawa Police Headquarters located at 474 Elgin Street, approximately 250 m north of the Phase One Property. There were two gasoline, single wall USTs made of steel installed in 1982. Based on the proximity to the Phase One Property, the structure of the USTs and the direction of groundwater flow, the risk, if any, is considered low and is not likely to pose an environmental concern.

Two records were found in the Fuel Storage Tank - Historic (FSTH) database at the City of Ottawa Police Headquarters located at 474 Elgin Street, approximately 250 m north of the Phase One Property. There is a private gasoline station, initially installed in 1982, which remains active. The tank is a liquid fuel, single wall UST. Based on the proximity to the Phase One Property, the structure of the UST and the direction of groundwater flow, the risk, if any, is considered low and is not likely to pose an environmental concern.

Forty-seven records were found in the Ontario Regulation 347 Waste Generators Summary (GEN) database and are summarized below.



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# of Records	Address	Company	Description
11	16 Pretoria Avenue (50 metres east of the Phase One Property)	Pretoria Pet Hospital	261 pharmaceuticals264 photoprocessing wastes312 pathological wastes
5	64 Isabella Street (80 m north of the Phase One Property)	Loblaw #1095	 122 alkaline wastes – other metals 263 organic laboratory chemicals 145 paint/pigment/coating residues 242 halogenated pesticides and herbicides 269 organic non-halogenated pesticides and herbicide waste 112 acid solutions – containing heavy metals 252 waste crankcase oils and lubrications 262 detergents and soaps 261 pharmaceuticals 148 misc. wastes and inorganic chemicals 263 misc. waste organic chemicals 312 pathological wastes 212 aliphatic solvents and residues 146 other specified inorganic sludges, slurries or solids 331 waste compressed gases including cylinders
1	5 Pretoria Avenue (103 m north of the Phase One Property)	Golder Associates	- Industrial Building and Structure Construction
3	92 Isabella Street (134 m north-west of the Phase One Property)	Frontier	241 halogenated solvents252 waste oils and lubricants331 waste compressed gases
1	20 Monkland Avenue (191 m south of the Phase One Property)	Andrew Pakuts	- No description provided
1	30 Monkland Avenue (221 m south of the Phase One Property)	Terrance J. McManus	- 221 light fuels
3	464 Metcalfe Street (228 m north of the Phase One Property)	Ottawa Corporation Modern Niagara Ruilding Services	251 oil skimmings and sludges212 aliphatic solvents and residues
1	475 Elgin Street (233 m north of the Phase One Property)	Building Services Paramount Properties	- 251 oil skimmings and sludges



# of Records	Address	Company	Description
21	474 Elgin Street (250 m north of the Phase One Property)	City of Ottawa Police Headquarters	 251 oil skimmings and sludges 221 light fuels 252 waste oils and lubricants 331 waste compressed gases 148 inorganic laboratory chemicals 145 paint/pigment/coating residues 263 organic laboratory chemicals 312 pathological wastes 122 alkaline wastes – other metals 146 other specified inorganics 113 acid waste – other metals 213 petroleum distillates 112 acid waste – heavy metals 212 aliphatic solvents 264 photoprocessing wastes 211 aromatic solvents 267 organic acids 241 halogenated solvents

These properties surround the Phase One Property. Based on record type and proximity to the Phase One Property, the risk, if any, is considered low and is not likely to pose an environmental concern.

Two records were found in the Fuel Storage Tank (FST) database at the City of Ottawa Police Headquarters located at 474 Elgin Street, approximately 250 m north of the Phase One Property. There were two gasoline, single wall USTs made of steel installed in 1982. Based on the proximity to the Phase One Property and the structure of the tanks, the risk, if any, is considered low and is not likely to pose an environmental concern

One record was found in the TSSA Historic Incidents (HINC) database at 18 Monkland Avenue located approximately 188 m south of the Phase One Property. The incident occurred when the natural gas pipeline was struck; this occurred on an active construction site in 2007. The root cause of the incident was classified as procedural and management. Based on the proximity to the Phase One Property and the nature of the incident, the risk, if any, is considered low and is not likely to pose an environmental concern.

Four records were found in the Pesticide Register (PES) database. All are registered to Loblaw #1095 at 64 Isabella Street, located approximately 80 m north of the Phase One Property. The grocery store is a licensed vendor of registered pesticides. The sale of pesticides is seasonal and it is not expected that there would be significant quantities on site at any time. Based on this, the risk, if any, is considered low and is not likely to pose an environmental concern.



Two records were found in the TSSA Pipeline Incidents (PINC) database and are summarized below.

- One record is registered to 214 Queen Elizabeth Drive, located approximately 95 m east
 of the Phase One Property. The incident occurred in 2012 when the natural gas pipeline
 was struck and property damage occurred. Based on the proximity to the Phase One
 Property and the nature of the incident, the risk, if any, is considered low and is not likely
 to pose an environmental concern.
- One record is registered to 485 Metcalfe Street, located approximately 14 m west of the Phase One Property. In 2011, a natural gas leak occurred, with release into the atmosphere. Based on the proximity to the Phase One Property and the nature of the incident, the risk, if any, is considered low and is not likely to pose an environmental concern.

One record was found in the Private and Retail Fuel Storage Tanks (PRT) database at the City of Ottawa Police Headquarters located at 474 Elgin Street, approximately 250 m north of the Phase One Property. There is an active, private fuel storage tank. Based on the proximity to the Phase One Property, the risk, if any, is considered low and is not likely to pose an environmental concern.

One record was found in the Record of Site Condition (RSC) database at 100 Isabella Street, approximately 148 m northeast of the Phase One Property. No additional information was provided in regards to the RSC granted at this location.

Nine records were found in the Ontario Spills (SPL) database and are summarized below.

- One record is registered to Enbridge Gas Distribution Inc. at 485 Metcalfe Street, located approximately 14 m west of the Phase One Property. In 2011, a natural gas leak occurred, with release into the atmosphere. There was confirmed minor air pollution. Based on the proximity to the Phase One Property and the nature of the incident, the risk, if any, is considered low and is not likely to pose an environmental concern.
- One record is registered to Enbridge Gas Distribution Inc. at 485 Metcalfe Street, located approximately 14 m west of the Phase One Property. In May 2018, a natural gas leak occurred, with a small release into the atmosphere. There was confirmed minor air pollution. Based on the proximity to the Phase One Property and the nature of the incident, the risk, if any, is considered low and is not likely to pose an environmental concern.



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- One record is registered to 16 Pretoria Avenue, located approximately 50 m east of the Phase One Property. The spill occurred in 2013 when a motor vehicle dumped a coolant product. There was confirmed environmental impact. The spill location is downgradient of the Phase One Property and the risk, if any, is considered low and is not likely to pose an environmental concern.
- One record is registered to the apartment building at 72 Pretoria Avenue, located approximately 54 m west of the Phase One Property. The spill occurred in 1998 when 15 L of furnace oil leaked onto the basement floor and soaked into the floor cracks. There was possible soil contamination. Given the small volume of oil that was spilled, the risk, if any, is considered low.
- One record is registered to Norway Bus Lines at 74 Pretoria Avenue, located approximately 66 m east of the Phase One Property. The spill occurred in 1991 when 130 L of transmission fluid leaked into the storm sewer. There was no anticipated environmental impact. The risk, if any, is considered low and is not likely to pose an environmental concern.
- One record is registered to Drain-All Ltd. at Highway 417 East, located approximately 136 m north of the Phase One Property. The spill occurred in 1994 when 23 L of gasoline leaked onto the highway. There was no anticipated environmental impact. The risk, if any, is considered low and is not likely to pose an environmental concern.
- One record is registered to 100 Isabella Street, located approximately 148 m northwest of the Phase One Property. The spill occurred in 2010 when diesel leaked onto the road. There was no anticipated environmental impact. The risk, if any, is considered low and is not likely to pose an environmental concern.
- One record is registered to Drain-All Ltd. at the intersection of Isabella and Elgin, located approximately 155 m northeast of the Phase One Property. The spill occurred in 1998 when 8 L of water-based paint leaked onto the road. There was no anticipated environmental impact. The risk, if any, is considered low and is not likely to pose an environmental concern.
- One record is registered to City of Ottawa Police Headquarters 474 Elgin Street, located approximately 250 m north of the Phase One Property. The spill occurred in 1994 when the UST leaked into the underlying soil. There was possible soil contamination. Based on the proximity to the Phase One Property, the risk, if any, is considered low and is not likely to pose an environmental concern.

Seven records were found in the Water Well Information System (WWIS) database and are discussed further in Section 3.3.5.



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The remaining records did not identify conditions likely to pose environmental concerns for the Phase One Property. PCAs identified within the Phase One Study Area in provincial database records include:

	ltem	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity			
ĺ	10.	Commercial Autobody Shops	120 Isabella Street – Elie Auto Body			
	28.	Gasoline and Associated Products Stored in Fixed Tanks	474 Elgin Street – City of Ottawa Police Headquarters			

Source: Table 2, Schedule D, O. Reg. 153/04

3.2.3 Ontario Ministry of the Environment, Conservation and Parks

A request for information about the Phase One Property was filed with the MECP FOI on September 12, 2018. A response was received on September 24, 2018. No records were located for the Phase One Property.

A request for information for the property located at 64 Isabella Street, Ottawa, Ontario within the Phase One Study Area was filed with the MECP FOI on September 25, 2018. A response was received on October 23, 2018. Various records were located at 64 Isabella Street. The records did not identify conditions likely to pose environmental concerns for the Phase One Property. Correspondence with the MECP FOI is provided in Appendix B.

3.2.4 Ontario Ministry of Natural Resources

Areas of Natural and Scientific Interest (ANSI) includes water bodies, wetlands, wooded areas, conservation areas, municipal parks, provincial parks, natural parks and nature reserves. An ANSI map was provided by ERIS.

No ANSI was identified within the Phase One Property or within the Phase One Study Area.

A copy of the map is provided in Appendix A.

3.2.5 Technical Standards and Safety Authority

A request for information about the Phase One Property was filed with the Technical Standards & Safety Authority (TSSA) on September 12, 2018 for information of any outstanding instructions, incident reports, fuel oil spills, or contamination records respecting the Phase One Property from all historical records to present. A response was received on October 18, 2018. No records were located for the Phase One Property.



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The TSSA cannot guarantee having information on sites that have not been licensed since 1987. It should also be noted that the Fuel Safety Division did not license or register private fuel underground/aboveground storage tanks prior to January 1990 or furnace oil tanks prior to May 1, 2002. It should also be noted that the Fuels Safety Division does not register aboveground tanks used to store gasoline or diesel fuel, or private furnace oil or waste oil tanks in apartments, office buildings, residences, etc.

Correspondence with the TSSA is provided in Appendix B.

3.2.6 Municipal Records

A Municipal Freedom of Information and Protection of Privacy Act request for information was requested from the City of Ottawa on September 13, 2018. A response was received from the City of Ottawa on October 16, 2018.

The City of Ottawa reported the presence of a sanitary main sewer and the central water distribution system, sourced by the Ottawa River, within the Phase One Property. No records of environmental interest were located for the Phase One Property.

A search of the HLUI (Historical Land Use Inventory) database was for the neighbouring buildings at 24 and 26 Pretoria Avenue requested on October 31, 2019. A response was received from the City of Ottawa on November 18, 2019. There were no City of Ottawa records pertaining to the Phase One Property within the HLUI database. There were several records identified within the HLUI database associated with properties located within the Phase One Study Area. A review of these records identified one new potential PCA. A former waste disposal site (X1102) is identified approximately 125 m to the east of the Phase One Property. This site was identified as described in Section 3.2.8 below; however, the coordinates provided in the Ministry records indicated that the site was outside of the Phase One Property Study Area.

Correspondence with the City of Ottawa is provided in Appendix B.

3.2.7 Private Records

A search of private database records was completed by ERIS in September 2018.

No records of environmental interest or PCAs related to the Phase One Property were identified within the private databases searched. Records pertaining to the Phase One Study Area are summarized below.



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PHASE ONE STUDY AREA

Three records were found in the Scott's Manufacturing Directory (SCT) database and are summarized below.

- Two records registered to Power Mount and Proulx Bros, Inc. located at 16 Pretoria Avenue Unit B, approximately 50 m east of the Phase One Property. Both records were registered in 1995 for a showcase, partition, shelving and locker manufacturing company employing three people. The risk, if any, is considered low and is not likely to pose an environmental concern.
- One record registered to Sterling Marking Products Inc. located at 112 Isabella Street, approximately 177 m northwest of the Phase One Property. The record was registered in 1942 for stationery, office supplies, and chemical (except agricultural) distribution. The risk, if any, is considered low and is not likely to pose an environmental concern.

The remaining records did not identify conditions likely to pose environmental concerns for the Phase One Property. There were no PCAs identified within the Phase One Study Area in private database records.

3.2.8 Waste Disposal Sites

The document entitled "Waste Disposal Site Inventory" contains a listing of active and closed waste disposal sites in Ontario as of June 1991. This inventory uses the Universal Transverse Mercator (UTM) grid system to locate the waste disposal sites.

The UTM coordinates at the centre of the Phase One Property are approximately 446359 E and 5028736 N, Zone 18. The Phase One Property and properties within the Phase One Study Area are not listed as active waste disposal facilities. However, the search indicated ten closed waste disposal sites within 2 km of the Phase One Property and are summarized below:

Closed Waste Disposal Sites

i. Site No 1102

a. NTS: 31G05

b. UTM Coordinates: 445870E, 5028130N

c. Direct Distance to Phase One Property: 800 m southwest

d. Date Closed: 1920

e. Class: A5



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ii. Site No 1097

a. NTS: 31G05

b. UTM Coordinates: 445410E, 5028060N

c. Direct Distance to Phase One Property: 1.2 km west southwest

d. Date Closed: 1940

e. Class: A5

iii. Site No 1100

a. NTS: 31G05

b. UTM Coordinates: 445950E, 5027040N

c. Direct Distance to Phase One Property: 1.8 km southwest

d. Date Closed: 1924

e. Class: A5

iv. Site No 1107

a. NTS: 31G05

b. UTM Coordinates: 446560E, 5027140N

c. Direct Distance to Phase One Property: 1.6 km south

d. Date Closed: Unknown

e. Class: A5

v. Site No 1108

a. NTS: 31G05

b. UTM Coordinates: 447280E, 5028900N

c. Direct Distance to Phase One Property: 950 m east

d. Date Closed: 1938

e. Class: A5

vi. Site No 1017

a. NTS: 31G05

b. UTM Coordinates: 447700E, 5029080

c. Direct Distance to Phase One Property: 1.4 km east

d. Date Closed: 1947

e. Class: A5

vii. Site No 1015

a. NTS: 31G05

b. UTM Coordinates: 447850E, 5028350N

c. Direct Distance to Phase One Property: 1.6 km southeast



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d. Date Closed: 1963

e. Class: A5

viii. Site No 1016

a. NTS: 31G05

b. UTM Coordinates: 448175E, 5028500N

c. Direct Distance to Phase One Property: 1.9 km southeast

d. Date Closed: 1957

e. Class: A5

ix. Site No 1018

a. NTS: 31G05

b. UTM Coordinates: 448300E, 5029050N

c. Direct Distance to Phase One Property: 2 km east

d. Date Closed: Unknown

e. Class: A5

x. Site No 1106

a. NTS: 31G05

b. UTM Coordinates: 444850, 5029940

c. Direct Distance to Phase One Property: 1.9 km northwest

d. Date Closed: 1944

e. Class: A5

Class A sites are those that are deemed to have the potential to impact human health because of the proximity to human development. Class A5 sites contain municipal and domestic wastes in an urban area and have been closed for approximately 10 to 20 years as of June 1991. Based on the closure dates provided in the records, the positions and distances from the Phase One Property, it is unlikely that contamination origination from the identified historic waste disposal sites poses a potential environmental concern to the Phase One Property.

The ERIS report on the Phase One Property also returned no records for active waste disposal sites within 250 m of the Phase One Property.

3.2.9 Coal Gasification Plants and Coal Tar Sites

Inventories of coal gasification plants (Intera, 1987) and industrial sites where coal tar was produced or used (Intera, 1988) listed one located within 2 km of the Phase One Property.



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The Ottawa (Lees) Coal Gasification plant was located approximately 1.2 km east of the Phase One Property. The plant operated from 1920 to 1957. There was likely significant air pollution when the plant was in operation. Based on the proximity to the Phase One Property, the direction of groundwater flow and the closure date of the facility, the risk, if any, is considered low and is not likely to pose an environmental concern.

3.2.10 Polychlorinated Biphenyls Sites

The Ontario Inventory of Polychlorinated Biphenyls (PCB) Storage Sites (January, 1993) identified two sites within 2 km of the Phase One Property.

PCB Storage Sites

i. Site: Bell Canada, 40285A011

a. Address: 78 O'Connor Streetb. Classification: Major Sitec. Liquid Total: 5.388 tonne

d. Direct Distance to Phase One Property: 1.5 km northwest

ii. Site: Bell Canada – Ottawa, 40288A206

a. Address: 160 Elgin Streetb. Classification: Minor Sitec. Liquid Total: 1 tonne

d. Direct Distance to Phase One Property: 1.2 km north

Based on the proximity to the Phase One Property and the direction of groundwater flow, the risk, if any, is considered low and is not likely to pose an environmental concern.

3.3 PHYSICAL SETTING SOURCES

3.3.1 Aerial Photos

Aerial photographs were collected for every decade starting with 1928. Earlier aerial photos were not available. Aerial photographs for the years 1928, 1958, 1965, 1976, 1991, 2007, 2013, 2014 and 2017 were reviewed as follows:



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Photo Date	Description
1928	The Phase One Property appears to be a residential property. The Phase One Study Area appears to be developed with light commercial and residential properties. The Canadian National Railway is noted to the north of the Phase One Property. The Rideau Canal is noted to the east of the Phase One Property.
1958	The Phase One Property and Phase One Study area appear to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area.
1965	The Phase One Property appears to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area. The Canadian National Railways appears to have been converted into the Queensway. Automobile storage is visible.
1976	The Phase One Property and Phase One Study area appear to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area.
1991	The Phase One Property and Phase One Study area appear to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area.
2007	The Phase One Property and Phase One Study area appear to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area.
2013	The Phase One Property appears to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area. The eastern building at 64 Isabella Street, located directly north of the Phase One Property, has been demolished.
2014	The Phase One Property appears to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area. The remaining building at 64 Isabella Street, located directly north of the Phase One Property, has been extended to occupy the space previously occupied by the demolished eastern building.
2017	The Phase One Property and Phase One Study area appear to be similar as described above. Continuous residential and light commercial development continues within the Phase One Study Area.

Aerial photographs are provided in Appendix C.

No PCAs were identified for the Phase One Property, however; two PCAs were identified properties located within the Phase One Study Area and are summarized as follows:

Item	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity		
30.	Importation of Fill of Unknown Quality	Queensway located north of the Phase One Property.		
46.	Rail Yards, Tracks and Spurs	Canadian National Railway located north of the Phase One Property.		

Source: Table 2, Schedule D, O. Reg. 153/04



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3.3.2 Topography, Hydrology, Geology

A topographic map for the Phase One Property and Phase One Study Area is provided in Appendix B. Surrounding topography is characterized by predominantly flat relief with a gentle slope downwards towards the Rideau Canal located approximately 195 m east of the Phase One Property.

Local groundwater flow is inferred to be eastward toward the Rideau Canal. The Rideau Canal ultimately discharges into the Ottawa River approximately 2 km north of the Phase One Property. Regional groundwater flow is inferred to be northeast towards the Ottawa River.

There are no natural surface water features on or adjacent to the Phase One Property. The nearest surface water feature is the Rideau Canal. Storm water on the Phase One Property is interpreted to infiltrate landscaped areas and/or discharge to the municipal storm sewer system via catch basins located along Pretoria Avenue.

It is assumed that the predominant direction of local groundwater flow is northeast towards the Rideau Canal and regional patterns flow north towards the Ottawa River. Shallow groundwater flow on the Phase One Property is likely influenced by conditions such as bedding materials around underground utility lines, leaking sewers, and/or the presence of building foundations, with a strong horizontal flow of groundwater to the northeast. The Phase One Property and the Phase One Study Area are serviced by municipal water supplies and sewers. The Phase One Property and Phase One Study Area are located within the Rideau Valley Protection Area, although; groundwater is not used as a potable water supply at the Phase One Property or within the Phase One Study Area.

Based on available mapping of surficial materials and terrain features, the overburden in the area of the Phase One Property is characterized by primarily alluvial deposits. Bedrock in the vicinity of the Phase One Property is characterized by the Georgian Bay formation, which includes shale, limestone, dolostone and siltstone. The upper member contains medium grained stratified sand with some silt.

3.3.3 Fill Materials

No records regarding the placement of fill materials at the Phase One Property were available for review. No indication of the placement of fill was observed during the site reconnaissance.



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Based on the review of aerial photography, the placement of fill material within the Phase One Study Area, approximately 130 m north of the Phase One Property, is evident between 1958 and 1965. The demolition of the railway and construction of the Queensway required the use of an unknown amount of fill material of unknown quality. Due to the quantity of fill material needed to construct the Queensway and the direction of groundwater flow, the risk, if any, associated with the importation of fill is considered low and is not likely to pose an environmental concern.

Based on the review of aerial photography, the placement of fill material at 64 Isabella Street within the Phase One Study Area, approximately 80 m north of the Phase One Property, is evident between 2013 and 2014. The demolition and extension of the existing building required the use of an unknown amount of fill material of unknown quality. It is assumed the fill material used was screened for environmental purposes prior to its use on the property as historically the property was contaminated and remediated in 2013, prior to its current development. This is shown by the monitoring well and borehole network identified. It is assumed that with this monitoring network identified, high quality fill was imported for use, as required during regulated remediation activities.

Based on the review of the FIMs, the placement of fill material within the Phase One Study Area, approximately 230 m west of the Phase One Property, is evident between 1901 and 1912. The extension of O'Connor Street south past Pretoria Avenue required the use of an unknown amount of fill material of unknown quality. Due to the quantity of fill material needed to construct the Queensway and the direction of groundwater flow, the risk, if any, associated with the importation of fill is considered low and is not likely to pose an environmental concern.

3.3.4 Water Bodies

There are no water bodies on the Phase One Property. On a regional scale, topographic relief and local groundwater flow slopes in the northeastern direction, approximately 195 m towards the Rideau Canal. Regional groundwater flow is inferred to be approximately 2.0 km north towards the Ottawa River.

3.3.5 Well Records

As noted in Section 3.2.2, seven records were found for the Phase One Study Area in the Water Well Information System (WWIS) database and are summarized as follows:



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Easting	Northing	Static Water	Depth to Bedrock (ft)	Primary Water Use	Final Well Status	Constructio n Date	Geology
446353	5028790	-	-	Monitoring	Monitoring	April 2009	Loose fill for 5 ft followed by grey clay for 13 ft.
446291	5028752	-	-	Monitoring and Test Hole	Monitoring and Test Hole	February 2010	Hard sandy gravel for 1.8 m followed by grey clay for 3 m.
446301	5028805		,	Monitoring and Test Hole	Monitoring and Test Hole	February 2010	Hard sandy gravel for 1.8 m followed by grey clay for 4 m.
446355	5028836		,	Monitoring and Test Hole	Monitoring and Test Hole	January 2010	Gravely sand for 1.8 m followed by grey clay for 4 m.
446393	5028837	-	ı	Monitoring and Test Hole	Monitoring and Test Hole	February 2010	Gravely sand for 1.8 m followed by grey clay for 3 m.
446180	5028889	-	,	-	Observation	March 2007	Brown clay fill for 1.3 m followed by grey fill for 0.6 m followed by grey clay for 2 m followed by grey silt for 0.6 m.
446134	5028828	-	-	-	Observation	June 2017	Topsoil for 2 ft followed by grey clay for 16 ft.

No groundwater monitoring wells were observed on the Phase One Property or on properties within the Phase One Study area during the site reconnaissance.

3.3.6 Site Operating Records

REGULATORY PERMITS

No regulatory operating permits were identified for the Phase One Property.

4. INTERVIEWS

Interviews were conducted for the Phase One Property on September 20, 2018 by Ms. Carolyn Miller, EIT, and Ms. Karen Greer, QP_{ESA} (subsequently referred to as the QP) of BluMetric. Assessor Qualifications are provided in Appendix D.



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Interviews were conducted with Mr. Arthur Hodgins, owner of 28 Pretoria Avenue, and Ms. Elaine Dubé, the listing agent of 30 Pretoria Avenue. The homeowner of 30 Pretoria Avenue was not present. Interview questions were designed by and under the supervision of the QP. A summary of the information acquired during the interviews is provided below, followed by a more specific review of the responses acquired during the site visit.

Mr. Hodgins reported the following details to the best of his knowledge regarding 28 Pretoria Avenue:

- Mr. Hodgins reported that 28 Pretoria Avenue has been a residential property since at least 1920 and has never been developed for any non-residential purposes;
- Mr. Hodgins reported that 28 Pretoria Avenue has always been developed with two structures. The main residential home and one garage. Mr. Hodgins indicated, in the past, he would use the garage as a workspace for personal maintenance but currently only used for storage;
- Mr. Hodgins reported that main residential home was previously heated via heating oil
 AST located in the basement. The residential home was converted to natural gas
 approximately forty years ago;
- Mr. Hodgins reported that a new natural gas fired furnace was installed approximately five years ago, and is regularly maintained by Reliance Holmes Heating & Cooling;
- Mr. Hodgins reported that 28 Pretoria Avenue is serviced by Hydro Ottawa, Enbridge Gas and City of Ottawa water and sewer services;
- Mr. Hodgins reported that three tenants currently live at 28 Pretoria Avenue;
- Mr. Hodgins reported that no drinking water wells, easements or former rail lines were located at 28 Pretoria Avenue;
- To the best of his knowledge, Mr. Hodgins is not aware of any instances of waste storage and/or illegal dumping, spills, or other contamination at 28 Pretoria Avenue; and,
- Mr. Hodgins has owned 28 Pretoria Avenue for approximately forty years.

Ms. Dubé reported the following details to the best of her knowledge regarding 30 Pretoria Avenue:

- Ms. Dubé reported that 30 Pretoria Avenue has been a residential property since at least 1920 and has never been developed for any non-residential purposes;
- Ms. Dubé reported that 30 Pretoria Avenue has always been developed with one residential home. When asked about the elevated land and partial concrete outline in the backyard, Ms. Dubé was unaware of its origin or intended purpose;



- Ms. Dubé reported that the residential home was previously heated via heating oil AST located in the basement. It is unknown when the residential home was converted to natural gas, however; a new natural gas furnace was installed in 2003, of which maintenance practices are unknown;
- Ms. Dubé reported that two air conditioning units service the residential home. One central air conditioning unit is located outside the west side of the residential home while the other is located in the window of the attic, of which maintenance practices are unknown:
- Ms. Dubé reported 30 Pretoria Avenue is serviced by Hydro Ottawa, Enbridge Gas and City of Ottawa water and sewer services; of the Phase One Property is on municipal water and municipal sewers;
- Ms. Dubé reported that four tenants and multiple animals currently live at 30 Pretoria Avenue; and,
- Ms. Dubé reported that no drinking water wells, easements or former rail lines were located at 30 Pretoria Avenue.

No staining, leaking or unusual odors were identified in the areas of the previous heating oil ASTs installed at the Phase One Property within both residential homes. No physical indications of floor drains or cracked foundations creating a pathway for environmental contamination were observed in the area of the previous heating oil ASTs. The risk, if any, due to the historical presence of heating oil ASTs at the Phase One Property is considered low and not likely to pose an environmental concern to the Phase One Property.

5. SITE RECONNAISSANCE

5.1 GENERAL REQUIREMENTS

The Phase One Property was visited for approximately 1 hour on September 20, 2018 by Ms. Carolyn Miller, EIT, and Ms. Karen Greer, QP, of BluMetric. Weather conditions were clear and dry; ambient air temperature was approximately 17°C. Access to the entire Phase One Property was possible during the site reconnaissance, with the exception of a small area at 30 Pretoria Avenue. This inaccessible area appeared to be a small, vacant apartment attached to the main home. There were no concerns regarding the inaccessible area.

An additional site visit was completed on October 29, 2019 by Ms. Karen Greer, QP of BluMetric to investigate the elevated land and partial concrete outline in the backyard.



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The Phase One Study Area, other than the Phase One Property, was also investigated September 20, 2018 by Ms. Carolyn Miller, EIT, of BluMetric, under the supervision of Ms. Karen Greer, QP. A 250 m radius area was surveyed and occupants of neighbouring properties were recorded. The Phase One Property is immediately surrounded by residential to the south and west, residential and commercial to the east and commercial to the north.

Photographs of the Phase One Property and Phase One Study Area, including elevated land and partial concrete outline in the backyard (pictures taken on October 28, 2019) compiled during the site reconnaissance are included in Appendix C.

5.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

5.2.1 Structures and Other Improvements

i. Description of Structures and Other Improvements

The Phase One Property was observed to be developed with two residential buildings and one detached garage. The interior of the residential buildings consisted of living areas and storage space while the detached garage is primarily used for storage. Approximately 65% of the Phase One Property is covered by the three buildings while the remaining 35% is covered by landscaped areas and paved driveways. Each backyard is fenced. A partial concrete outline was observed in the backyard of 30 Pretoria Avenue as part of the initial site reconnaissance. Upon future inspection, as part of the site reconnaissance on October 28, 2019 the outline was found to be limited in extent (lose and random concrete blocks) and not associated with any structures on site but part of the landscaping of the backyard. That the time of the further inspection the grass was lower and the ground more visible than during the initial site visit making viewing easier.

ii. Below Ground Structures Associated With Structures and Other Improvements

Both residential buildings have a below grade basement area constructed of concrete block. The basements are unfinished and primarily used for storage and utilities. Each basement has one floor drain. The visible portions of the basement floors appear to be in good condition with no cracking or damaged areas. No tenants occupy either basement.

iii. Tanks

No tanks were observed to be used or stored at the Phase One Property.

Evidence of former heating oil ASTs within the basements of each residential building was observed. Fill and vent pipes were noted. At 28 Pretoria Avenue, the capped pipe end is



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visible on the west side of the building. At 30 Pretoria Avenue, the capped pipe end is not visible; however, it is believed that the pipe protrudes underneath the front porch.

iv. Water Sources Associated With Structures and Other Improvements

The Phase One Property is connected to municipal water and sewer services along Pretoria Avenue.

5.2.2 Underground Utilities and Service Corridors

The Phase One Property is connected to electrical and communication utilities via overhead cables, and is serviced natural gas by Enbridge Gas. No specific details are available regarding the location, if any, of underground utilities and service corridors at the Phase One Property.

5.2.3 Interiors of Structures and Buildings

i. Entry/Exit Points

Various entry/exit points were observed at the Phase One Property. 28 Pretoria Avenue has a front door, back door and multiple windows. 30 Pretoria Avenue has a front door and multiple windows.

ii. Heating Systems

Both residential buildings are heated by a natural gas fired furnaces and are serviced by Enbridge Gas. The furnace in 28 Pretoria Avenue was replaced in 2013, and is regularly maintained by Reliance Holmes Heating and Cooling. The furnace in 30 Pretoria Avenue was replaced in 2003, of which maintenance practices are unknown.

iii. Cooling Systems

30 Pretoria Avenue has a central air conditioning unit and a window air conditioning unit in the attic. There is no cooling system at 28 Pretoria Avenue. Maintenance practices are unknown for both residential buildings on the Phase One Property.

iv. Drains, Pits and Sumps

Both residential buildings on the Phase One Property have a basement floor drain. No unusual staining, sheen or odours were observed within the floor drains.

No sumps or pits were observed at the Phase One Property.



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v. Unidentified Substances in the Interior of Any Building or Structure

No buildings, structures or unidentified substances were observed at the Phase One Property.

vi. Stains and Corrosion on Floors

No staining or corrosion was observed at the Phase One Property.

5.2.4 Exterior Portions of the Phase One Property

i. Current and Former Wells

No current or former wells were observed at the Phase One Property.

ii. Sewage Works

The Phase One Property is connected to the City of Ottawa sewer system.

iii. Ground Surface Details

Landscaped areas were observed at the Phase One Property. Storm water on the Phase One Property is interpreted to infiltrate landscaped areas and/or discharge to the municipal storm sewer system via catch basins located along Pretoria Avenue.

iv. Railway Lines and Spurs

No railway lines or spurs were observed at the Phase One Property.

5.2.5 Parts of the Phase One Property Not Covered by Buildings or Other Structures

i. Stained Soil, Vegetation or Pavement

No stained soil, vegetation or pavement was observed at the Phase One Property.

ii. Stressed Vegetation

No stressed vegetation was observed at the Phase One Property.

iii. Area Where Fill or Debris May Have Been Placed or Graded

No evidence of fill or debris was noted during the site reconnaissance. No information in regards to fill was received.

iv. Potentially Contaminating Activities in Areas Not Covered by Buildings or Other Structures

No PCAs in areas not covered by buildings or other structures were identified.



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v. Unidentified Substances in Areas Not Covered by Buildings or Other Structures

No unidentified substances were observed on the Phase One Property in areas not covered by buildings or other structures. No information in regards to unidentified substances in areas not covered by buildings or other structures was received.

5.2.6 Enhanced Investigation at the Property

The Phase One Property does not meet the definition for an Enhanced Investigation in O. Reg. 153/04.

i. Operations at the Phase One Property

No operations were observed at the Phase One Property.

ii. Hazardous Materials Used or Stored at the Phase One Property

No hazardous materials used or stored were observed at the Phase One Property.

iii. Products Manufactured at the Phase One Property

No products manufactured were observed at the Phase One Property.

iv. By-Products and Wastes at the Phase One Property

No by-products and wastes were observed at the Phase One Property.

v. Raw Materials Handling and Storage at the Phase One Property

No raw materials handling and storage was observed at the Phase One Property.

vi. Details of Drums, Totes and Bins at the Phase One Property

No drums, totes or bins were observed at the Phase One Property.

vii. Details of Oil/Water Separators

No oil/water separator was observed at the Phase One Property.

viii. Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance areas were observed at the Phase One Property.

ix. Spills

No spills were observed at the Phase One Property.

x. Details of Liquid Discharge Points

No liquid discharge points were observed at the Phase One Property.



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xi. Equipment Used in Processing and Manufacturing

No equipment used in processing and manufacturing was observed at the Phase One Property.

xii. Hydraulic Lift Equipment

No hydraulic life equipment was observed at the Phase One Property.

5.2.7 Summary of Findings

During the site reconnaissance, the Phase One Property was observed to be developed with two residential buildings and one detached garage. The interior of the residential buildings consisted of living areas and storage space while the detached garage is primarily used for storage.

Each residential home was previously equipped with one heating oil AST. No staining, leaking or unusual odors were identified in the areas of the previous heating oil ASTs installed at the Phase One Property within both residential homes. No physical indications of floor drains or cracked foundations creating a pathway for environmental contamination were observed in the area of the previous heating oil ASTs. The risk, if any, due to the historical presence of heating oil ASTs at the Phase One Property is considered low and not likely to pose an environmental concern to the Phase One Property. The identified elevated land and partial concrete outline in the backyard of 30 Pretoria was found to be limited in extent (loose and random concrete blocks) and not associated with any structures on site but part of the landscaping of the backyard. Therefore not identified as a PCA for the Phase One Property.

5.3 WRITTEN DESCRIPTION OF THE INVESTIGATIONS

No PCAs were noted on the Phase One Property during the site reconnaissance.

Several PCAs were identified for the Phase One Study Area and include:

ltem	Potentially Contaminating Activity Potentially Contaminating Activity			
10.	Commercial Autobody Shops	461 O'Connor Street - Griffin Automotive Services Ltd.		
10.	Commercial National Shops	120 Isabella Street – Elie Auto Body		
30.	Importation of Fill of Unknown Quality	Queensway located north of the Phase One Property.		
55.	Electricity Generation, Transformation	Various pole mounted and ground level transformers		
	and Power Stations	observed within the Phase One Study Area.		

Source: Table 2, Schedule D, O. Reg. 153/04



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6. REVIEW AND EVALUATION OF INFORMATION

6.1 CURRENT AND PAST USES

The Phase One Property has the following history of use:

Time Period	Use(s)	Description
Prior to 1912	Unconfirmed, likely used for residential or recreational	Residential or
	purposes	Recreational
1912 – Present	Residential	Residential

6.2 POTENTIALLY CONTAMINATING ACTIVITY

6.2.1 Phase One Property

Through records review, interviews and a site reconnaissance visit, no PCAs were identified at the Phase One Property.

6.2.2 Phase One Study Area

Through records review, interviews and a site reconnaissance visit several PCAs were identified in the Phase One Study Area and include:

Item	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
8.	Chemical Manufacturing, Processing and	64 Isabella Street – Forest Products Laboratories (Dept.
0.	Bulk Storage	of Interior)
		O'Connor Street and Isabella Street – Autorepairs
		Elgin Street and Catherine Street - Patterson Motors
10.	Commercial Autobody Shops	Auto Repairs
10.		120 Isabella Street – Elie Auto Body
		461 O'Connor Street – Griffin Automotive Services
		Ltd.
24.	Fine Training	Pretoria Avenue and O'Connor Street – Fire Station
24.	Fire Training	No. 9
	Garage and Maintenance and Repair of	Car building shop for the Canadian National Railway
27.	Railcars, Marine Vehicles and Aviation	located north of the Phase One Property.
	Vehicles	



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Item	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
28.	Gasoline and Associated Products Stored in Fixed Tanks	64 Isabella Street – Ottawa Porcelain and Carbon Co. 64 Isabella Street – Manufacturers of Office Furniture (Library Bureau of Canada Ltd.) 64 Isabella Street – Forest Products Laboratories (Dept. of Interior) O'Connor Street and Isabella Street – Autorepairs Oil tank for the Canadian National Railway located north of the Phase One Property.
30.	Importation of Fill Material of Unknown Quality	474 Elgin Street – City of Ottawa Police Headquarters O'Connor Street south of Pretoria Avenue. Queensway located north of the Phase One Property.
46.	Rail Yards, Tracks and Spurs	Canadian National Railway located north of the Phase One Property. 64 Isabella Street – Ottawa Porcelain and Carbon Co. 64 Isabella Street – Manufacturers of Office Furniture (Library Bureau of Canada Ltd.)
51.	Solvent Manufacturing, Processing and Bulk Storage	Pretoria Avenue (in the vicinity of current 16 Pretoria) – Wringers & Washer Fact. (J.H. Connor & Son) 64 Isabella Street – Manufacturers of Office Furniture (Library Bureau of Canada Ltd.)
55.	Electricity Generation, Transformation and Power Stations	Various pole mounted and ground level transformers observed within the Phase One Study Area.
58.	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	A historic waste disposal site is located approximately 125 m east of the Phase One Property.

Source: Table 2, Schedule D, O. Reg. 153/04

Forest Products Laboratories (Dept. of Interior) operated from approximately 1948 until at least 1963. It was assumed that a significant quantity of chemicals was kept on site while the laboratory was located at 64 Isabella Street, downgradient of the Phase One Property. There have been no historical records identifying a chemical spill at this property; given this and the direction of groundwater, the risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

Several commercial autobody shops have operated and currently operate within the Phase One Study Area. All have been relatively small facilities located downgradient of the Phase One Property. Griffin Automotive Services Ltd. and Elie Auto Body were inspected during the site reconnaissance; both facilities had oil double-lined ASTs. The risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.



A small fire station was located at Pretoria Avenue and O'Connor Street until at least 1963. It was assumed that the station stored small amounts of fire retardants on site, and conducted fire training. The fire station is located crossgradient from the Phase One Property. The risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

Several fuel oil ASTs have been present in the Phase One Study Area from 1901 to present. In the past, these ASTs have stored small quantities of oil and the risk, if any, is considered low. The existing ASTs are double-lined tanks and store small quantities of oil. The risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

The important of fill material of unknown quality occurred upon extension of O'Connor Street south of Pretoria Avenue in 1912, and upon construction of the Queensway located north of the Phase One Property. The Queensway is downgradient of the Phase One Property. O'Connor Street is upgradient of the Phase One Property; however, significant time has passed since the road extension. Given the direction of groundwater flow and the length of time since construction, the risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

The Canadian National Railway was located approximately 100 m north of the Phase One Property, and was converted into the Queensway by 1965. The Canadian National Railway was located downgradient of the Phase One Property. The risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

Bulk storage of solvents has likely occurred at two manufacturing facilities: Wringers & Washer Fact to the east of the Phase One Property, and Manufacturers of Office Furniture to the north of the Phase One Property, at 64 Isabella Street. The relatively small facilities operated from 1901 to 1943 and 1912 to 1943, respectively. Both facilities are located downgradient of the Phase One Property. The risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

The presence/absence of PCB oils in the transformer and/or the age of the transformer could not be determined through the Phase One ESA. In general, the volume of mineral insulating oil associated with pole mounted transformers is considered small. Potential contaminants of concern include petroleum hydrocarbons (PHC) and polychlorinated biphenyl (PCB). Pole mounted transformers were observed and inspected in various locations within the Phase One Study Area. No leaks, stains or stressed vegetation was observed. The risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.



The historic landfill located within the Phase One Study Area, approximately 125 m east of the Phase One Property, has been closed since 1920. There is limited information available for review, and wastes disposed at the historic landfills are unknown. Based on proximity, groundwater flow direction and closure dates, the risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

6.3.1 Evaluation of Information

Information from each of the components of the Phase One ESA was evaluated and considered in order to identify APECs on the Phase One Property based on the PCAs identified on the Phase One Property or within the Phase One Study Area.

In determining if the PCAs identified on the Phase One Property or within the Phase One Study Area result in APECs, i.e. areas of actual or potential environmental concern at the Phase One Property, BluMetric has evaluated the information collected during this Phase One ESA based on the concepts of source, pathways and receptors. It should be noted that no testing of samples or measuring of environmental parameters occurred as part of the scope of a Phase One ESA.

6.3.2 Identified Areas of Potential Environmental Concern

There are no identified APECs (and no identified PCAs) due to the current or historical land use at the Phase One Property.

Within the Phase One Study Area, none of the PCAs identified were found to be APEC on that Phase One Property.

6.3.3 Contaminants of Potential Concern

There are no contaminants of potential concern identified at the Phase One Property or within the Phase One Study Area.

6.3.4 Information Gaps in Phase One Investigation

The Phase One Property was visited on September 20, 2018 and October 29, 2019. Access to the Phase One Property was provided as detailed above. All efforts were made to obtain records for the Phase One Property and the Phase One Study Area.



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All efforts were made to obtain all available records for the Phase One Property and the Phase One Study Area. No private properties adjacent to the Phase One Property were entered and the absence of any PCAs on these properties cannot be confirmed. Only exterior areas of properties in the Phase One Study Area which could be observed from publically accessible locations were assessed.

6.3.5 Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) for the Phase One Property and Phase One Study Area is found in Appendix A. It shows:

- Existing buildings and structures (if present);
- Roads within the Phase One Study Area (if present);
- Uses of properties adjacent to the Phase One Property; and,
- Locations of PCAs identified in this report.

7. CONCLUSIONS

7.1 IS A PHASE TWO ESA REQUIRED BEFORE AN RSC IS SUBMITTED?

It is the opinion of the QP that the PCAs observed within the Phase One Study Area pose a low level of environmental risk and/or liability to the Phase One Property. No actual sources of environmental impact were identified at the Phase One Property due to the current or historical land use at the Phase One Property or within the Phase One Study Area.

Based on the information collected during this Phase One ESA, actual contamination associated with the PCAs identified is considered low and not likely to pose an environmental risk to the Phase One Property. Therefore, a Phase Two ESA is not recommended at this time.

7.2 CAN AN RSC BE SUBMITTED BASED ON THE PHASE ONE ESA ALONE?

It is the opinion of the QP that an RSC can be submitted solely on the basis of this Phase One ESA report however it is our understanding that the report will not be used for the filling of an RSC.



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8. LIMITING CONDITIONS

This Phase One ESA report was performed in accordance with the substance and intent of the Phase One ESA document produced by the Canadian Standards Association (CSA Z768-01 and Update No. 1) and the definition in O. Reg. 153/04. The findings in this report are based on: observations made during a site reconnaissance interviews with people familiar with the site; a review of historical records concerning the current and past uses of the Phase One Property; and requests for information filed with provincial and municipal agencies.

The conclusions presented in this report represent our professional opinion and are based on the conditions observed on the dates set out in the report, the information available at the time this report was prepared, the scope of work, and any limiting conditions noted herein.

BluMetric provides no assurances regarding changes to conditions subsequent to the time of the assessment. BluMetric makes no warranty as to the accuracy or completeness of the information provided by others or of the conclusions and recommendations predicated on the accuracy of that information.

This report has been prepared for JB Holdings Inc. Any use a third party makes of this report, any reliance on the report, or decisions based upon the report, are the responsibility of those third parties unless authorization is received from BluMetric in writing. BluMetric accepts no responsibility for any loss or damages suffered by any unauthorized third party as a result of decisions made or actions taken based on this report.

STATEMENT AND SIGNATURE OF THE QUALIFIED PERSON

This Phase One Environmental Site Assessment of the Phase One Property includes the evaluation of information gathered from a records review, site reconnaissance, and interviews. It has been conducted in accordance with O. Reg. 153/04, by or under the supervision of a qualified person.

Respectfully submitted,

BluMetric Environmental Inc.

Carolyn Miller, EIT.

Engineer in Training

Karen Greer, M.Sc., P.Geo OP ESNO 26 Senior Hydrogeologist



9. REFERENCES

- Canadian Standards Association (CSA). 2001.CSA Z768-01 Phase 1 Environmental Site Assessment, Environmental Technology, a CSA Information Product, 2001.
- Intera Technologies Limited, 1987. Inventory of Coal Gasification Plant Waste Sites in Ontario.

 Prepared for Ontario Ministry of the Environment, Waste Management Branch.
- Intera Technologies Limited, 1988. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Prepared for Ontario Ministry of the Environment, Waste Management Branch. November.
- Ontario Ministry of the Environment. 2011. Ontario Regulation 153/04 (as amended), Records of Site Condition Part XV.1 of the Act. July 2011.
- Ontario Ministry of the Environment (MOE), 1991. Waste Disposal Site Inventory. Prepared by the Waste Management Branch, PIBS 256, June. ISBN 0-7729-8409-3.
- City of Ottawa "Urban Geology of the National Capital Region" http://gsc.nrcan.gc.ca/urbgeoinatcapigeoserye.php



FIGURES



APPENDIX A

Phase One Conceptual Site Model

As required by O. Reg. 153/04, this appendix consists of:

- Phase One Conceptual Site Model
 - Ontario Base Map
- Areas of Natural and Scientific Interest Map



APPENDIX B

Environmental Source Information

This appendix includes the following environmental source information:

- Correspondence with the Ministry of the Environment, Conservation and Parks, the Technical Standards and Safety Authority and the City of Ottawa.
- A report describing federal, provincial and private database records for the Phase One Property and Phase One Study Area, as well as Fire Insurance Plans, conducted by Environmental Risk Information Services (ERIS);



APPENDIX C

Site and Aerial Photographs

This appendix includes:

- Photographs taken during the site reconnaissance;
 - Aerial photographs of the Phase One Property.



APPENDIX D

Assessor Credentials

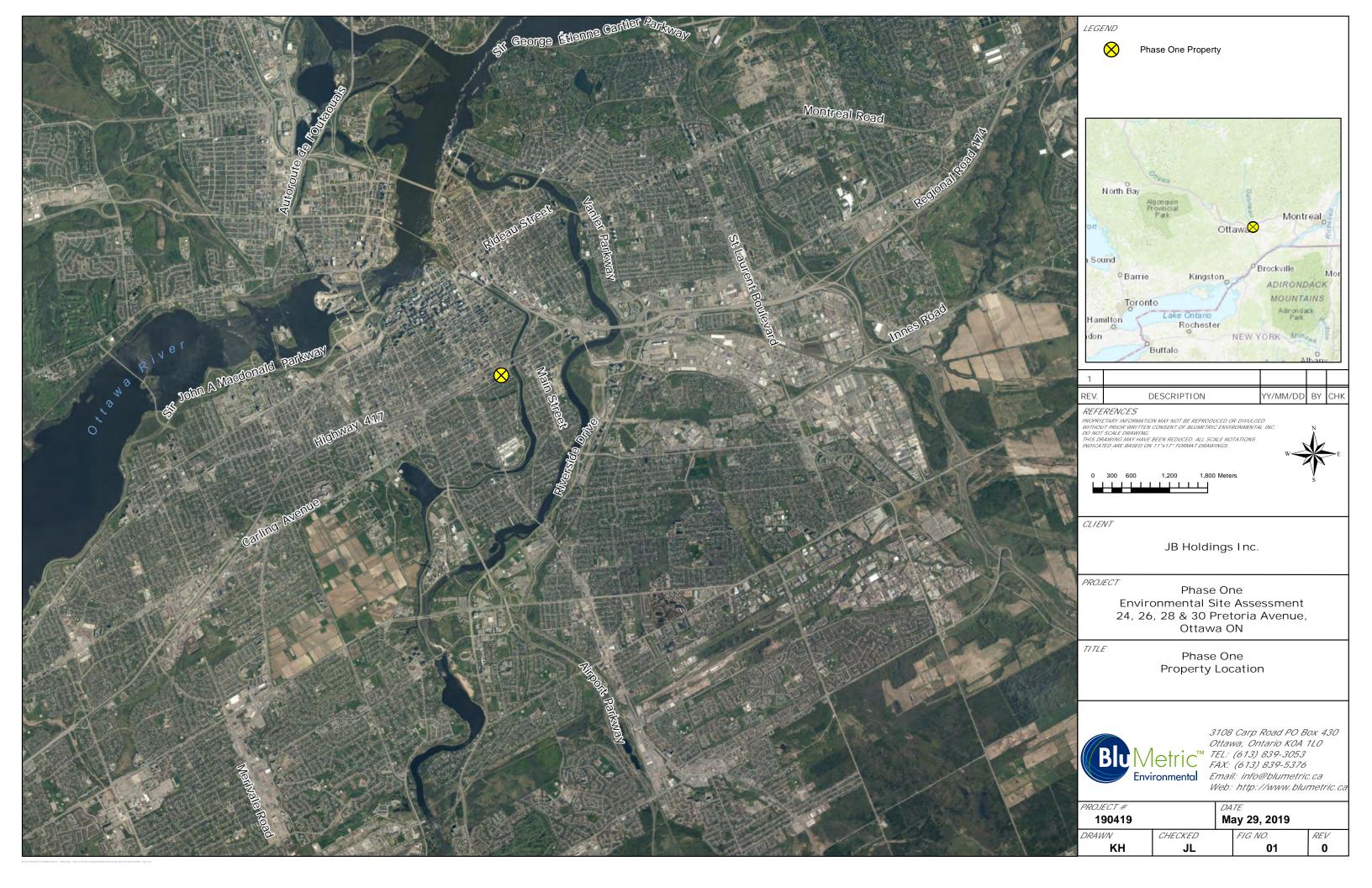
This appendix includes the curriculum vitae for:

- Carolyn Miller
- Karen Greer

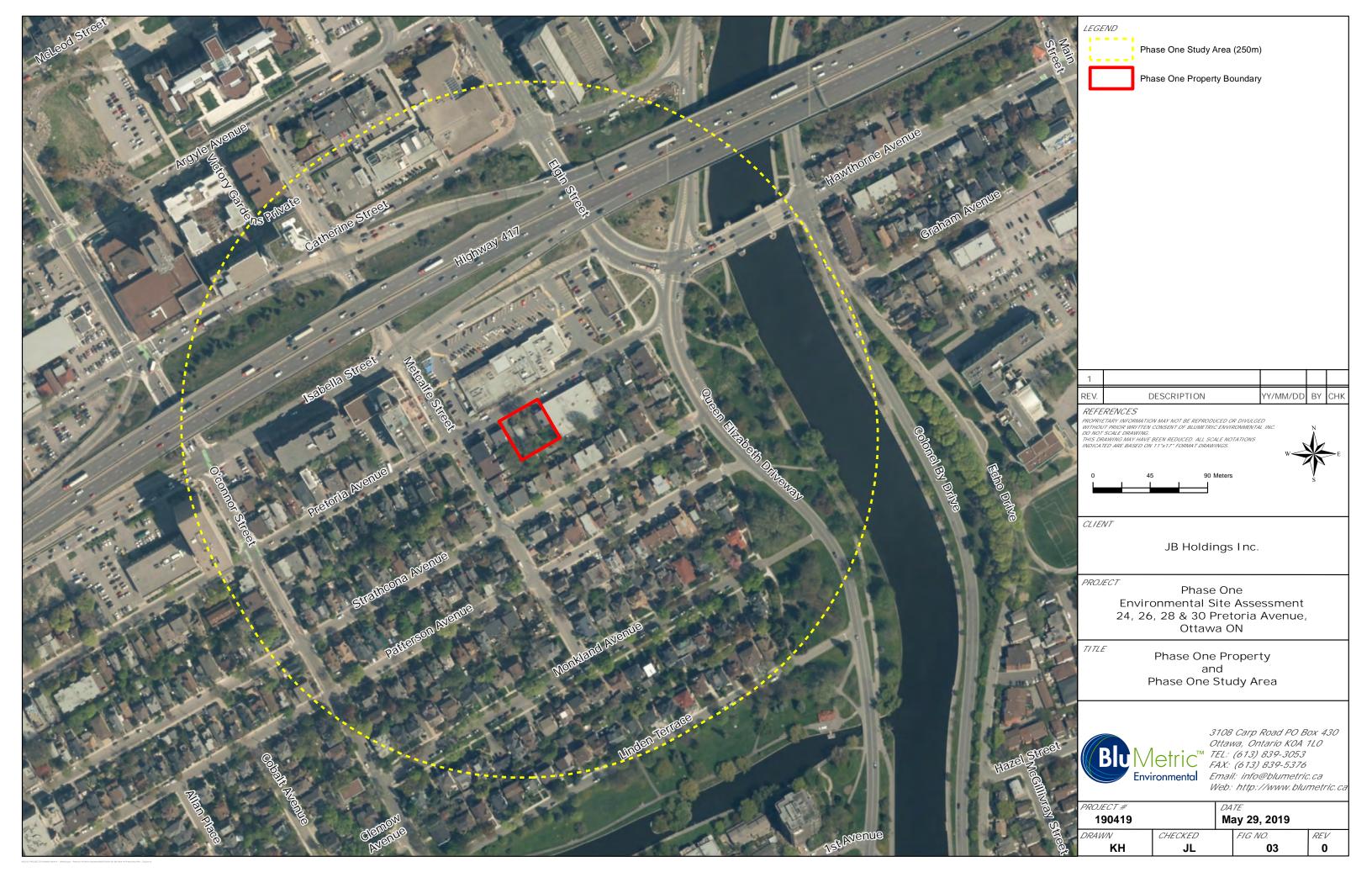


FIGURES











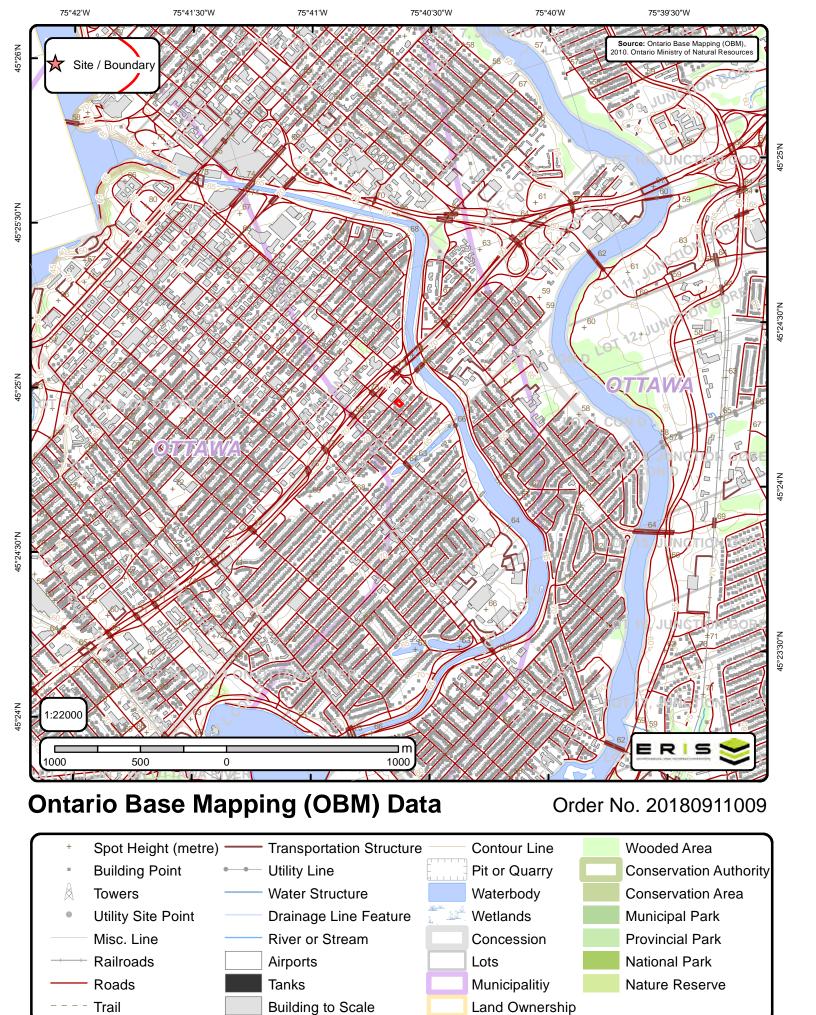
APPENDIX A

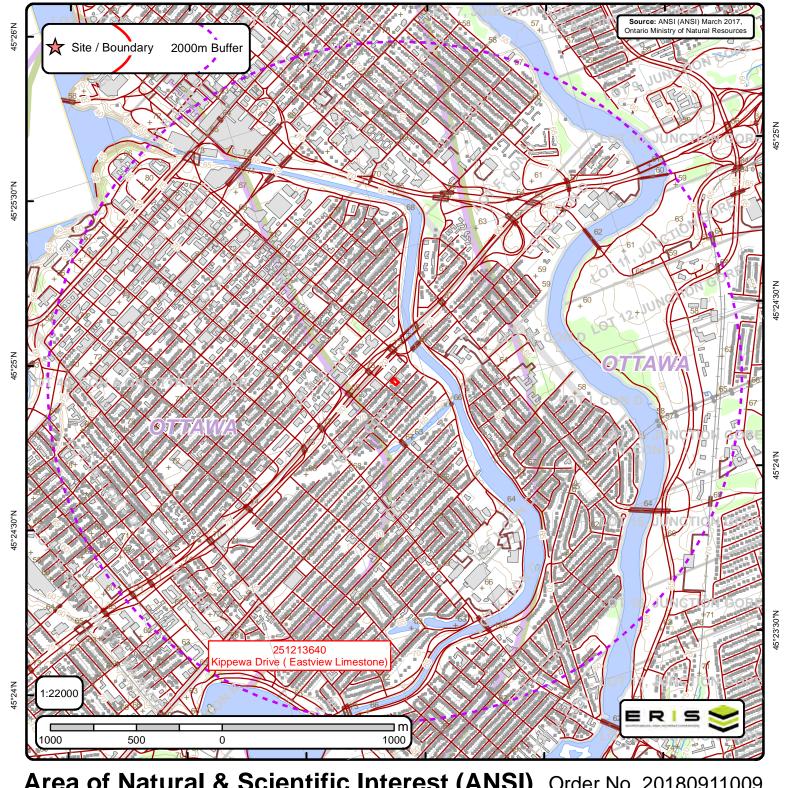
Phase One Conceptual Site Model

As required by O. Reg. 153/04, this appendix consists of:

- Phase One Conceptual Site Model
 - Ontario Base Map
- Areas of Natural and Scientific Interest Map



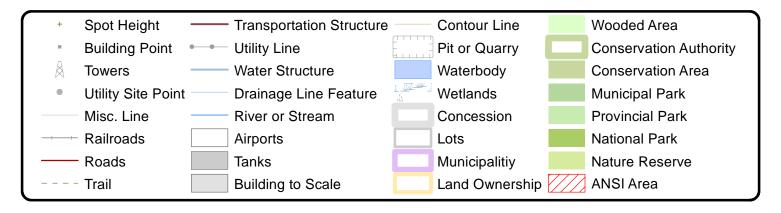




75°42'W

75°41'30"W

Area of Natural & Scientific Interest (ANSI) Order No. 20180911009





Page 1 Order ID: 20180911009

ANSI Name: Kippewa Drive (Eastviev ID: 251213640 Type: ANSI, Earth Science	v Limestone) Significance: Provincial	Management Plan: No A	Area (sqm): 1234.663 (Comments:

APPENDIX B

Environmental Source Information

This appendix includes the following environmental source information:

- Correspondence with the Ministry of the Environment, Conservation and Parks, the Technical Standards and Safety Authority and the City of Ottawa.
- A report describing federal, provincial and private database records for the Phase One Property and Phase One Study Area, as well as Fire Insurance Plans, conducted by Environmental Risk Information Services (ERIS);





DATABASE REPORT

Project Property: Phase I ESA RSC 28&30 Pretoria

Avenue, Ottawa, ON 28 & 30 Pretoria Avenue

Ottawa ON K1S

Project No: P03975

Report Type: RSC Report (Urban)

Order No: 20180911009

Requested by: BluMetric Environmental Inc.

Date Completed: September 17, 2018

Environmental Risk Information Services

A division of Glacier Media Inc.

P: 1.866.517.5204 E: info@erisinfo.com

www.erisinfo.com

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Executive Summary

Project Property: Phase I ESA RSC 28&30 Pretoria Avenue, Ottawa, ON

28 & 30 Pretoria Avenue Ottawa ON K1S

Order No: 20180911009

Project No: P03975

Order Information:

Order No: 20180911009

Date Requested: September 11, 2018

Requested by: BluMetric Environmental Inc.

Report Type: RSC Report (Urban)

Historical/Products:

Insurance Products Fire Insurance Maps/Inspection Reports/Site Plans

Topographic MapOntario Base Map (OBM)

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Υ	0	0	0
AGR	Aggregate Inventory	Υ	0	0	0
AMIS	Abandoned Mine Information System	Υ	0	0	0
ANDR	Anderson's Waste Disposal Sites	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Y	0	71	71
CA	Certificates of Approval	Υ	0	11	11
CFOT	Commercial Fuel Oil Tanks	Υ	0	1	1
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar	Υ	0	0	0
CONV	Sites Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	6	6
EBR	Environmental Registry	Υ	0	0	0
ECA	Environmental Compliance Approval	Υ	0	12	12
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	0	12	12
EIIS	Environmental Issues Inventory System	Υ	0	0	0
ЕМНЕ	Emergency Management Historical Event	Υ	0	0	0
EXP	List of TSSA Expired Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Υ	0	0	0
FST	Fuel Storage Tank	Υ	0	2	2
FSTH	Fuel Storage Tank - Historic	Υ	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Υ	0	66	66
GHG	Greenhouse Gas Emissions from Large Facilities	Υ	0	0	0
HINC	TSSA Historic Incidents	Υ	0	2	2
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MISA PENALTY	Environmental Penalty Annual Report	Υ	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Υ	0	0	0
NCPL	Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Υ	0	0	0
NPRI	National Pollutant Release Inventory	Υ	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Υ	0	0	0
OPCB	Inventory of PCB Storage Sites	Υ	0	0	0
ORD	Orders	Υ	0	0	0
PAP	Canadian Pulp and Paper	Υ	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Υ	0	0	0
PES	Pesticide Register	Y	0	4	4
PINC	TSSA Pipeline Incidents	Υ	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Υ	0	1	1
PTTW	Permit to Take Water	Υ	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	2	2
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	7	7
SPL	Ontario Spills	Y	0	14	14
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	Υ	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	1	1
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Υ	0	0	0
WWIS	Water Well Information System	Y	0	10	10
		Total:	0	226	226

Executive Summary: Site Report Summary - Project Property

MapDBCompany/Site NameAddressDir/Dist (m)Elev diffPageKey(m)Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	BORE		ON	N/9.4	-1.39	<u>51</u>
<u>2</u>	PINC		485 Metcalfe Street, Ottawa ON	WSW/14.1	0.31	<u>51</u>
<u>2</u>	SPL	Enbridge Gas Distribution Inc.	485 Metcalfe Street Ottawa ON	WSW/14.1	0.31	<u>52</u>
<u>2</u>	SPL		485 Metcalfe St Ottawa ON	WSW/14.1	0.31	<u>52</u>
<u>3</u>	BORE		ON	WNW/17.9	-1.12	<u>53</u>
<u>4</u>	BORE		ON	NNE/35.4	-0.31	<u>53</u>
<u>5</u>	EHS		16 to 22 Pretoria Avenue Ottawa ON K1S 1W7 <i>Order ID:</i> 78077	NE/36.1	-0.31	<u>54</u>
<u>6</u>	WWIS		OTTAWA ON Well ID: 7122747	N/36.6	-2.73	<u>54</u>
<u>7</u> *	BORE		ON	SW/40.9	0.34	<u>57</u>
<u>8</u>	CA	R.M. OF OTTAWA-CARLETON - STRATHCONA AVE	METCALFE ST./PRETORIA AVE. OTTAWA CITY ON	W/44.6	-1.12	<u>57</u>
<u>8</u> *	CA	OTTAWA CITY - STRATHCONA AVE.	METCALFE ST./PRETORIA AVE. OTTAWA CITY ON	W/44.6	-1.12	<u>57</u>
9	WWIS		Ottawa ON	WNW/45.6	-1.12	<u>58</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7142127			
<u>10</u>	BORE		ON	SSW/46.0	0.61	<u>60</u>
<u>11</u>	BORE		ON	W/47.9	-0.33	<u>60</u>
<u>12</u>	EHS		Ottawa Ottawa ON <i>Order ID:</i> 135448	SSE/49.8	0.61	<u>61</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	NE/50.4	-0.39	<u>61</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	NE/50.4	-0.39	<u>62</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	NE/50.4	-0.39	<u>62</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	NE/50.4	-0.39	<u>62</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	NE/50.4	-0.39	<u>63</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	NE/50.4	-0.39	<u>63</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 PRETORIA AVENUE OTTAWA ON K1S 1W7	NE/50.4	-0.39	<u>63</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	NE/50.4	-0.39	<u>64</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	NE/50.4	-0.39	<u>64</u>
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	NE/50.4	-0.39	<u>64</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>13</u>	GEN	PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	NE/50.4	-0.39	<u>65</u>
<u>13</u>	SCT	Proulx Bros. Inc.	16 Pretoria Ave Unit B Ottawa ON K1S 1W7	NE/50.4	-0.39	<u>65</u>
<u>13</u>	SCT	Power Mount	16 Pretoria Ave Unit B Ottawa ON K1S 1W7	NE/50.4	-0.39	<u>65</u>
<u>13</u>	SPL		16 Pretoria Ave Ottawa ON	NE/50.4	-0.39	<u>65</u>
<u>14</u>	SPL	APARTMENT BUILDING	72 PRETORIA AVE, 6 UNIT APARTMENT. FUEL OIL TANK OTTAWA CITY ON K1S 1W9	WSW/54.0	0.34	<u>66</u>
<u>15</u>	BORE		ON	NNE/54.0	-2.60	<u>66</u>
<u>16</u>	SPL	NORWAY BUS LINES	74 PRETORIA RD. MISSISSAUGA WAREHOUSE 6700 NORTHWEST DRIVE OTTAWA CITY ON K1S 1W9	WSW/65.9	0.61	<u>67</u>
<u>17</u>	BORE		ON	NE/68.9	-1.97	<u>67</u>
<u>18</u>	wwis		ON Well ID: 7142128	NW/71.5	-1.08	<u>68</u>
<u>19</u>	SPL	City of Ottawa	500 Metcalfe St & Strathcona Ave Ottawa ON K1S 3P1	SSW/79.2	0.61	<u>71</u>
<u>20</u>	EHS		480 Metcalfe Street Ottawa ON K1S 3N6 Order ID: 205474	W/79.9	0.29	<u>71</u>
<u>20</u>	EHS		480 Metcalfe Street Ottawa ON K1S 3N6 Order ID: 77822	W/79.9	0.29	<u>71</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>21</u>	ECA	Loblaw Properties Limited	64 Isabella St Ottawa ON L6Y 5S5	N/80.2	-2.41	<u>72</u>
<u>21</u>	EHS		64 Isabella Street Ottawa ON K1S 1V4 <i>Order ID:</i> 163116	N/80.2	-2.41	<u>72</u>
<u>21</u>	GEN	Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	N/80.2	-2.41	<u>72</u>
<u>21</u>	GEN	Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	N/80.2	-2.41	<u>73</u>
<u>21</u>	GEN	Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	N/80.2	-2.41	<u>74</u>
<u>21</u>	GEN	Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	N/80.2	-2.41	<u>74</u>
<u>21</u>	GEN	LOBLAWS SUPERMARKETS LTD.	64 ISABELLA STREET OTTAWA ON	N/80.2	-2.41	<u>75</u>
<u>21</u>	PES	LOBLAWS INC. STORE #1095	64 ISABELLA ST OTTAWA ON K1S1V4	N/80.2	-2.41	<u>75</u>
<u>21</u>	PES	LOBLAWS SUPERMARKETS LTD. #1095	64 ISABELLA ST OTTAWA ON K1S 1V4	N/80.2	-2.41	<u>76</u>
<u>21</u>	PES	LOBLAWS SUPERMARKETS LTD. #1095	64 ISABELLA ST OTTAWA ON K1S 1V4	N/80.2	-2.41	<u>76</u>
<u>21</u>	PES	LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #095-3	64 ISABELLA STREET OTTAWA ON K1S 1V4	N/80.2	-2.41	<u>76</u>
<u>22</u>	WWIS		Ottawa ON <i>Well ID:</i> 7142130	N/82.4	-2.41	<u>77</u>
<u>23</u>	BORE		ON	W/87.2	0.52	<u>79</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>24</u>	WWIS		Ottawa ON Well ID: 7142129	NNE/90.8	-4.19	<u>80</u>
<u>25</u>	PINC		214 Queen Elizabeth Drive, Ottawa ON	ENE/94.9	-1.72	<u>82</u>
<u>26</u>	BORE		ON	NE/96.5	-2.80	<u>83</u>
<u>27</u>	GEN	GOLDER ASSOCIATES	5 Pretoria Avenue Ottawa ON	NNE/103.2	-4.03	<u>83</u>
<u>28</u>	BORE		ON	NW/106.2	0.38	<u>83</u>
<u>29</u>	BORE		ON	NNW/109.5	0.61	<u>84</u>
<u>30</u>	EHS		480 Metcalfe Street And 100 Isabella Street Ottawa ON Order ID: 424010	W/123.2	0.92	<u>84</u>
<u>31</u>	BORE		ON	N/124.0	-1.73	<u>85</u>
<u>32</u>	BORE		ON	NNW/127.8	0.61	<u>85</u>
<u>33</u>	BORE		ON	NNW/130.1	0.37	<u>86</u>
<u>34</u>	BORE		ON	WNW/130.8	0.54	<u>86</u>
<u>35</u>	GEN	FRONTIER, (OUT OF BUS) 48-024	92 ISABELLA STREET OTTAWA ON K1S 1V5	W/134.0	1.79	<u>87</u>
<u>35</u>	GEN	FRONTIER, DIV. OF WESTBURNE 48-024	92 ISABELLA STREET OTTAWA ON K1S 1V5	W/134.0	1.79	<u>87</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>35</u>	GEN	FRONTIER, DIV. OF WESTBURNE	INDUSTRIAL ENTERPRISES LTD. 92 ISABELLA STREET OTTAWA ON K1S 1V5	W/134.0	1.79	<u>87</u>
<u>36</u>	SPL	DRAIN-ALL LTD	HWY 417 EAST, AT METCALFE TRANSPORT TRUCK (CARGO) OTTAWA CITY ON	NW/135.8	0.61	88
<u>36</u>	SPL		Highway 417 @ Metcalfe St. Ottawa ON	NW/135.8	0.61	<u>88</u>
<u>37</u>	BORE		ON	NW/141.4	0.81	<u>89</u>
38	BORE		ON	NW/145.7	0.61	<u>90</u>
<u>39</u>	BORE		ON	NNW/146.2	0.92	<u>90</u>
<u>40</u>	BORE		ON	NNE/147.2	-3.73	<u>91</u>
41	ECA	City of Ottawa	Elgin St Isabella Street Ottawa ON K2G 6J8	NNE/147.8	-4.83	<u>91</u>
<u>42</u>	CA	The Palisades Club Inc.	100 Isabella Street Ottawa ON	W/148.2	1.79	<u>92</u>
42	ECA	The Palisades Club Inc.	100 Isabella St Ottawa ON M3B 3N2	W/148.2	1.79	92
<u>42</u>	RSC	The Palisades Club Inc.	100 ISABELLA ST, OTTAWA, ON, K1S 1V5 Ottawa ON K1S 1V5	W/148.2	1.79	<u>92</u>
<u>42</u>	SPL		100 Isabella St Ottawa ON K1S 1V5	W/148.2	1.79	<u>93</u>
43	SPL	DRAIN-ALL LTD.	INTERSECTION OF ISABELLA AND ELGIN TANK TRUCK (CARGO) GLOUCESTER CITY ON	NNE/154.9	-4.83	<u>93</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>44</u>	BORE		ON	WNW/156.4	1.27	<u>94</u>
<u>45</u>	BORE		ON	WNW/160.4	1.27	<u>94</u>
<u>46</u>	BORE		ON	NW/161.1	0.81	<u>94</u>
<u>47</u>	BORE		ON	N/166.1	0.57	<u>95</u>
<u>48</u>	BORE		ON	NW/174.8	1.69	<u>95</u>
<u>49</u>	SCT	Sterling Marking Products Inc.	112 Isabella St Ottawa ON K1S 1V5	W/177.0	3.18	<u>96</u>
<u>50</u>	BORE		ON	NNW/179.6	0.85	<u>96</u>
<u>51</u>	BORE		ON	ENE/180.0	-13.55	<u>97</u>
<u>52</u>	BORE		ON	WNW/182.7	1.53	<u>97</u>
<u>53</u>	EHS		114 Isabella St Ottawa ON K1S1V5 Order ID: 244048	W/185.4	3.68	<u>98</u>
<u>54</u>	BORE		ON	WNW/186.0	2.58	<u>98</u>
<u>55</u>	HINC		18 MONKLAND AVENUE OTTAWA ON K1S 1Y9	SSE/188.2	-1.95	<u>98</u>
<u>56</u>	BORE		ON	NE/188.7	-8.39	<u>99</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>57</u>	BORE		ON	N/190.5	-3.16	<u>99</u>
<u>58</u>	GEN	ANDREW PAKUTS	20 MONKLAND AVE OTTAWA ON K1S 1Y9	SSE/190.6	-1.48	<u>100</u>
<u>59</u>	BORE		ON	W/193.6	2.58	100
<u>60</u>	BORE		ON	NNE/196.9	-5.44	<u>101</u>
<u>61</u>	BORE		ON	NNW/205.1	1.61	<u>101</u>
<u>62</u>	BORE		ON	NW/207.8	1.67	<u>102</u>
<u>63</u>	EASR	Tam Ho	120 ISABELLA ST OTTAWA ON K1S 1V5	W/209.7	4.04	<u>102</u>
<u>64</u>	BORE		ON	ENE/209.9	-14.39	<u>102</u>
<u>65</u>	BORE		ON	NNE/211.9	-7.61	<u>103</u>
<u>66</u>	BORE		ON	WNW/212.4	2.46	<u>103</u>
<u>67</u>	wwis		OTTAWA ON Well ID: 7044390	NW/213.8	1.61	<u>104</u>
<u>68</u>	CA	City of Ottawa	105 Catherine Street Ottawa ON	NW/214.0	1.61	<u>106</u>
<u>69</u>	BORE		ON	NE/214.6	-14.41	<u>107</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>70</u>	BORE		ON	W/215.7	3.30	108
<u>71</u>	WWIS		lot F con C OTTAWA ON <i>Well ID:</i> 7292768	WNW/219.0	2.61	108
<u>72</u>	BORE		ON	N/220.2	0.56	<u>110</u>
<u>73</u>	EASR	CENTRETOWN CITIZENS OTTAWA CORPORATION	111 CATHERINE STREET OTTAWA ON K2P 0P4	WNW/220.3	1.92	<u>111</u>
<u>74</u>	GEN	TERRANCE J. MCMANUS	30 MONKLAND AVENUE OTTAWA ON K1S 1Y9	S/220.9	0.00	<u>111</u>
<u>75</u>	BORE		ON	NNE/226.0	-7.64	<u>111</u>
<u>76</u>	BORE		ON	W/227.6	4.69	112
<u>77</u>	EHS		464 Metcalfe Ottawa ON <i>Order ID:</i> 203173	NW/227.7	1.61	112
<u>77</u>	GEN	CENTRETOWN CITIZENS OTTAWA CORPORATION	464 Metcalfe Street Ottawa ON	NW/227.7	1.61	112
<u>77</u>	GEN	Modern Niagara Building Services	464 Metcalfe Street Ottawa ON K2P 1B7	NW/227.7	1.61	113
<u>77</u>	GEN	Modern Niagara Building Services	464 Metcalfe Street Ottawa ON K2P 1B7	NW/227.7	1.61	<u>113</u>
<u>78</u>	BORE		ON	NNE/229.3	-7.64	113
<u>79</u>	BORE		ON	NE/230.6	-13.57	114

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>80</u>	BORE		ON	ENE/230.6	-14.39	<u>115</u>
<u>81</u>	BORE		ON	WNW/232.3	2.61	<u>116</u>
<u>82</u>	GEN	Paramount Properties	475 Elgin st Ottawa ON K2P 2E6	N/233.2	0.00	<u>116</u>
<u>83</u>	CA	R.M. OF OTTAWA-CARLETON	O'CONNOR ST./ISABELLA ST. OTTAWA CITY ON	W/237.2	4.61	<u>117</u>
<u>84</u>	BORE		ON	N/238.6	0.00	<u>117</u>
<u>85</u>	BORE		ON	NNW/238.8	1.61	118
<u>86</u>	BORE		ON	W/241.7	3.61	<u>118</u>
<u>87</u>	BORE		ON	NNW/243.6	1.61	<u>119</u>
88	BORE		ON	WSW/246.2	5.73	<u>120</u>
<u>89</u>	BORE		ON	NE/252.2	-8.99	<u>120</u>
<u>90</u>	BORE		ON	ENE/253.0	-2.97	<u>121</u>
<u>91</u>	CA		474 Elgin Street Ottawa ON K2P 2J6	NNW/254.4	1.61	<u>122</u>
<u>91</u>	CA	City of Ottawa	474 Elgin Street Ottawa ON K2P 2J6	NNW/254.4	1.61	122

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>91</u>	CA	R.M. OF OTTAWA-CARLETON, PLANNING & DEV.	474 ELGIN ST., O-C REG. POLICE OTTAWA CITY ON K2P 2J6	NNW/254.4	1.61	122
<u>91</u>	CFOT	CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	NNW/254.4	1.61	122
<u>91</u>	ECA	City of Ottawa	474 Elgin Street Ottawa ON K2G 6J8	NNW/254.4	1.61	<u>123</u>
<u>91</u>	ECA	City of Ottawa	474 Elgin St Ottawa ON K1P 1J1	NNW/254.4	1.61	<u>123</u>
<u>91</u>	ECA	City of Ottawa	474 Elgin St Ottawa ON K2P 2J6	NNW/254.4	1.61	123
<u>91</u>	ECA	The Regional Municipality of Ottawa-Carleton	474 Elgin Street Ottawa ON K2P 2L7	NNW/254.4	1.61	124
<u>91</u>	FST	CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	NNW/254.4	1.61	124
<u>91</u>	FST	CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	NNW/254.4	1.61	124
<u>91</u>	FSTH	CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	NNW/254.4	1.61	124
<u>91</u>	FSTH	CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	NNW/254.4	1.61	125
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	NNW/254.4	1.61	125
91	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	NNW/254.4	1.61	126
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	NNW/254.4	1.61	<u>127</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON	NNW/254.4	1.61	128
<u>91</u>	GEN	OTTAWA, CORPORATION(SEE & USE ON0303131)	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	128
<u>91</u>	GEN	OTTAWA, CITY OF - POLICE STATION 29-232	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	129
<u>91</u>	GEN	Ottawa Police Service	474 Elgin Street P.O. Box 9634 Station T Ottawa ON K2P 2J6	NNW/254.4	1.61	129
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	NNW/254.4	1.61	129
<u>91</u>	GEN	OTTAWA, CITY OF - POLICE STATION	DEPARTMENT OF PHYSICAL ENVIRONMENT 474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	<u>130</u>
<u>91</u>	GEN	OTTAWA, (SEE & USE ON0303131)	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	131
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	NNW/254.4	1.61	131
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	NNW/254.4	1.61	132
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	NNW/254.4	1.61	133
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	NNW/254.4	1.61	133
<u>91</u>	GEN	OTTAWA, CORPORATION	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	134
<u>91</u>	GEN	CITY OF OTTAWA	OTTAWA-CARLETON POLICE SERVICES 474 ELGIN STREET	NNW/254.4	1.61	<u>135</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			OTTAWA ON K2P 2J6			
91	GEN	OTTAWA- CARLETON,REGIONAL MUNICIPALITY OF	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	<u>136</u>
<u>91</u>	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	NNW/254.4	1.61	<u>136</u>
<u>91</u>	GEN	OTTAWA, CITY OF - POLICE STATION	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	137
<u>91</u>	GEN	OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	138
<u>91</u>	GEN	OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	OTTAWA-CARLETON POLICE SERVICES 474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	138
91	PRT	CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	NNW/254.4	1.61	139
91	SPL	OTTAWA POLICE	474 ELGIN ST. STORAGE TANK 474 ELGIN STREET OTTAWA CITY ON K2P 2J6	NNW/254.4	1.61	139
91	SPL	City of Ottawa	474 Elgin St Ottawa ON	NNW/254.4	1.61	140
91	SPL	PUC	AT 474 ELGIN ST. AT THE OTTAWA POLICE STATION STORAGE TANK OTTAWA CITY ON K2P 2J6	NNW/254.4	1.61	<u>140</u>
<u>92</u>	BORE		ON	SSW/256.5	-1.02	<u>141</u>
<u>93</u>	BORE		ON	NNE/256.6	-0.79	<u>141</u>
<u>94</u>	BORE		ON	N/259.9	1.57	142

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>95</u>	CA	Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON K2P 2C3	NW/260.8	2.04	142
<u>95</u>	CA	Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON K2P 2C3	NW/260.8	2.04	143
<u>95</u>	CA	Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON K2P 2C3	NW/260.8	2.04	143
<u>95</u>	EASR	CENTRETOWN CITIZENS OTTAWA CORPORATION	105 CATHERINE STREET OTTAWA ON K2P 1C3	NW/260.8	2.04	143
<u>95</u>	ECA	City of Ottawa	105 Catherine Street Ottawa ON K2G 6J8	NW/260.8	2.04	143
<u>95</u>	EHS		424 Metcalfe Street Ottawa ON K2P 2C3 Order ID: 50420	NW/260.8	2.04	144
<u>95</u>	RSC	Centretown Citizens Ottawa Corporation	424 METCALFE ST, OTTAWA, ON, K2P 2C3 OTTAWA ON K2P 2C3	NW/260.8	2.04	144
<u>96</u>	EASR	CENTRETOWN CITIZENS OTTAWA CORPORATION	424 METCALFE ST OTTAWA ON K2P 1C3	NW/262.1	2.04	145
<u>96</u>	ECA	Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON	NW/262.1	2.04	145
<u>96</u>	ECA	Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON	NW/262.1	2.04	145
<u>96</u>	ECA	Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON	NW/262.1	2.04	<u>145</u>
<u>97</u>	BORE		ON	W/262.2	4.65	<u>146</u>
<u>98</u>	BORE		ON	NW/263.3	1.61	<u>146</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>99</u>	EASR	METCALFE REALTY COMPANY LIMITED	150 ISABELLA ST OTTAWA ON K1S 1V7	WSW/263.9	5.57	147
99	EASR	METCALFE REALTY COMPANY LIMITED	150 ISABELLA ST OTTAWA ON K1S 1V7	WSW/263.9	5.57	147
<u>99</u>	EHS		150 Isabella St Ottawa ON K1S1V7 <i>Order ID:</i> 401152	WSW/263.9	5.57	147
<u>99</u>	GEN	CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1A 0L8	WSW/263.9	5.57	148
<u>99</u>	GEN	Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	WSW/263.9	5.57	148
<u>99</u>	GEN	Metcalfe Realty Company Limited	150 Isabella Steet Ottawa ON K1S 1V7	WSW/263.9	5.57	148
<u>99</u>	GEN	Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	WSW/263.9	5.57	<u>149</u>
<u>99</u>	GEN	Elevation Elevator Inc.	150 Isabella Street Ottawa ON K1S 5H3	WSW/263.9	5.57	<u>149</u>
<u>99</u>	GEN	CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1S 5P7	WSW/263.9	5.57	149
99	GEN	Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	WSW/263.9	5.57	<u>150</u>
99	GEN	Metcalfe Realty Company Limited	150 Isabella Steet Ottawa ON	WSW/263.9	5.57	<u>150</u>
<u>99</u>	GEN	CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1S 5P7	WSW/263.9	5.57	<u>150</u>
99	GEN	Metcalfe Realty	150 Isabella Street Ottawa ON K1S 5H3	WSW/263.9	5.57	<u>151</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
99	GEN	Metcalfe Realty Company Limited	150 Isabella Steet Ottawa ON K1S 1V7	WSW/263.9	5.57	<u>151</u>
<u>99</u>	GEN	Elevation Elevator Inc.	150 Isabella Street Ottawa ON K1S 5H3	WSW/263.9	5.57	<u>151</u>
<u>99</u>	SCT	ZIM Corporation	150 Isabella St Unit 150 Ottawa ON K1S 1V7	WSW/263.9	5.57	<u>152</u>
<u>99</u>	SCT	Exclaimer	150 Isabella St suite 210 Ottawa ON K1S 5P7	WSW/263.9	5.57	<u>152</u>
<u>99</u>	SCT	Appraisal Institute of Canada	150 Isabella St Suite 203 Ottawa ON K1S 5P7	WSW/263.9	5.57	152
99	SCT	Advanced Coatings	150 Isabella St Suite 1200 Ottawa ON K1S 1V7	WSW/263.9	5.57	152
100	WWIS		lot G con C Ottawa ON <i>Well ID:</i> 7293173	NE/267.1	-3.49	<u>153</u>
<u>101</u>	GEN	VON National	110 Argyle Ave Ottawa ON	NNW/267.1	1.61	<u>155</u>
<u>101</u>	GEN	VON National	110 Argyle Ave Ottawa ON	NNW/267.1	1.61	<u>156</u>
102	SPL	Parks Canada (Rideau Canal)	Colonel By Dr. & Hawthorne Ave. Intersection Ottawa ON	NE/272.5	-2.64	<u>156</u>
103	wwis		ON <i>Well ID:</i> 7206031	WNW/272.9	2.61	<u>156</u>
<u>104</u>	ECA	LRC Development Team Test Client	150 ARGYLE Ave Ottaway ON M4W 1A1	NW/274.6	1.61	<u>157</u>
<u>104</u>	WDS	LRC Development Team Test Client	150 ARGYLE Ave Ottaway ON M4W 1A1	NW/274.6	1.61	<u>157</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>105</u>	BORE		ON	NNE/275.0	-14.39	<u>158</u>
<u>106</u>	BORE		ON	ENE/275.7	-0.65	<u>159</u>
<u>107</u>	BORE		ON	W/277.7	4.53	<u>159</u>
<u>108</u>	BORE		ON	W/279.1	6.08	<u>160</u>
<u>109</u>	GEN	DR. A. CHRISTIE	223 ECHO DRIVE OTTAWA ON K1S 1N2	NE/287.3	0.07	<u>160</u>
<u>110</u>	EHS		114 Argyle Avenue Ottawa ON K2P 1B4 Order ID: 41701	NW/288.1	1.61	<u>160</u>
<u>111</u>	BORE		ON	SE/290.4	-14.09	<u>161</u>
112	HINC		159 PATTERSON AVENUE OTTAWA ON K1S 1Y4	SW/291.4	2.43	<u>161</u>
<u>113</u>	wwis		OTTAWA ON	NNW/291.9	1.61	<u>162</u>
<u>114</u>	BORE		Well ID: 7218981 ON	NE/293.1	-9.76	<u>164</u>
115	BORE		ON	NNW/293.1	1.61	<u>164</u>
116	BORE		ON	ESE/294.5	-9.39	<u>165</u>
<u>117</u>	EHS		221 Echo Drive Ottawa ON K1S 1N1	ENE/295.8	0.34	<u>165</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Order ID: 63994			
<u>118</u>	BORE		ON	ESE/296.4	-14.81	166
<u>119</u>	GEN	METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5H3	WSW/297.6	5.78	<u>166</u>
<u>119</u>	GEN	METCALFE REALTY COMPANY LIMITED 26-615	460 O'CONNOR ST. C/O 130 ALBERT ST. STE 210 OTTAWA ON K1S 5H3	WSW/297.6	5.78	<u>166</u>
<u>119</u>	GEN	METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5N3	WSW/297.6	5.78	<u>167</u>
<u>119</u>	GEN	METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5N3	WSW/297.6	5.78	<u>167</u>
<u>120</u>	BORE		ON	ESE/298.6	-14.81	<u>167</u>
120	BORE		ON	ESE/298.6	-14.81	<u>168</u>
<u>121</u>	BORE		ON	SSE/299.1	-8.73	168

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 71 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address ON	Distance (m) 9.4	Map Key 1
	ON	17.9	<u>3</u>
	ON	35.4	<u>4</u>
	ON	40.9	<u>7</u>
	ON	46.0	<u>10</u>
	ON	47.9	<u>11</u>
	ON	54.0	<u>15</u>
	ON	68.9	<u>17</u>
	ON	87.2	<u>23</u>

Site	Address		ap Key
	ON	96.5	<u>26</u>
	ON	106.2	<u>28</u>
	ON	109.5	<u>29</u>
	ON	124.0	<u>31</u>
	ON	127.8	<u>32</u>
	ON	130.1	33
	ON	130.8	34
	ON	141.4	<u>37</u>
	ON	145.7	<u>38</u>
	ON	146.2	<u>39</u>
	ON	147.2	<u>40</u>
	ON	156.4	<u>44</u>

Site	Address	Distance (m)	Map Key
	ON	160.4	<u>45</u>
	ON	161.1	<u>46</u>
	ON	166.1	<u>47</u>
	ON	174.8	<u>48</u>
	ON	179.6	<u>50</u>
	ON	180.0	<u>51</u>
	ON	182.7	<u>52</u>
	ON	186.0	<u>54</u>
	ON	188.7	<u>56</u>
	ON	190.5	<u>57</u>
	ON	193.6	<u>59</u>

Site	<u>Address</u>		ар Кеу
	ON	196.9	<u>60</u>
	ON	205.1	<u>61</u>
	ON	207.8	<u>62</u>
	ON	209.9	<u>64</u>
	ON	211.9	<u>65</u>
	ON	212.4	<u>66</u>
	ON	214.6	<u>69</u>
	ON	215.7	<u>70</u>
	ON	220.2	<u>72</u>
	ON	226.0	<u>75</u>
	ON	227.6	<u>76</u>
	ON	229.3	<u>78</u>

Site	Address	Distance (m)	Map Key
	ON	230.6	<u>79</u>
	ON	230.6	<u>80</u>
	ON	232.3	<u>81</u>
	ON	238.6	<u>84</u>
	ON	238.8	<u>85</u>
	ON	241.7	<u>86</u>
	ON	243.6	<u>87</u>
	ON	246.2	88
	ON	252.2	<u>89</u>
	ON	253.0	<u>90</u>
	ON	256.5	<u>92</u>

Site	Address ON	<u>Distance (m)</u> 256.6	Map Key 93
	ON	259.9	<u>94</u>
	ON	262.2	<u>97</u>
	ON	263.3	<u>98</u>
	ON	275.0	<u>105</u>
	ON	275.7	<u>106</u>
	ON	277.7	<u>107</u>
	ON	279.1	<u>108</u>
	ON	290.4	<u>111</u>
	ON	293.1	<u>114</u>
	ON	293.1	<u>115</u>
	ON	294.5	<u>116</u>

Site	Address	Distance (m)	<u>Map Key</u>
	ON	296.4	<u>118</u>
	ON	298.6	<u>120</u>
	ON	298.6	<u>120</u>
	ON	299.1	<u>121</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 11 CA site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
R.M. OF OTTAWA-CARLETON - STRATHCONA AVE	METCALFE ST./PRETORIA AVE. OTTAWA CITY ON	44.6	<u>8</u>
OTTAWA CITY - STRATHCONA AVE.	METCALFE ST./PRETORIA AVE. OTTAWA CITY ON	44.6	<u>8</u>
The Palisades Club Inc.	100 Isabella Street Ottawa ON	148.2	<u>42</u>
City of Ottawa	105 Catherine Street Ottawa ON	214.0	<u>68</u>
R.M. OF OTTAWA-CARLETON	O'CONNOR ST./ISABELLA ST. OTTAWA CITY ON	237.2	<u>83</u>

Site City of Ottawa	Address 474 Elgin Street Ottawa ON K2P 2J6	<u>Distance (m)</u> 254.4	<u>Map Key</u> <u>91</u>
R.M. OF OTTAWA-CARLETON, PLANNING & DEV.	474 ELGIN ST., O-C REG. POLICE OTTAWA CITY ON K2P 2J6	254.4	<u>91</u>
	474 Elgin Street Ottawa ON K2P 2J6	254.4	<u>91</u>
Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON K2P 2C3	260.8	<u>95</u>
Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON K2P 2C3	260.8	<u>95</u>
Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON K2P 2C3	260.8	<u>95</u>

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Feb 28, 2017 has found that there are 1 CFOT site(s) within approximately 0.30 kilometers of the project property.

Site	<u>Address</u>	Distance (m)	Map Key
CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	254.4	<u>91</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Jul 31, 2018 has found that there are 6 EASR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
Tam Ho	120 ISABELLA ST OTTAWA ON K1S 1V5	209.7	<u>63</u>

Site	<u>Address</u>	Distance (m)	Map Key
CENTRETOWN CITIZENS OTTAWA CORPORATION	111 CATHERINE STREET OTTAWA ON K2P 0P4	220.3	<u>73</u>
CENTRETOWN CITIZENS OTTAWA CORPORATION	105 CATHERINE STREET OTTAWA ON K2P 1C3	260.8	<u>95</u>
CENTRETOWN CITIZENS OTTAWA CORPORATION	424 METCALFE ST OTTAWA ON K2P 1C3	262.1	<u>96</u>
METCALFE REALTY COMPANY LIMITED	150 ISABELLA ST OTTAWA ON K1S 1V7	263.9	<u>99</u>
METCALFE REALTY COMPANY LIMITED	150 ISABELLA ST OTTAWA ON K1S 1V7	263.9	<u>99</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jul 31, 2018 has found that there are 12 ECA site(s) within approximately 0.30 kilometers of the project property.

Site Loblaw Properties Limited	Address 64 Isabella St Ottawa ON L6Y 5S5	Distance (m) 80.2	Map Key 21
City of Ottawa	Elgin St Isabella Street Ottawa ON K2G 6J8	147.8	<u>41</u>
The Palisades Club Inc.	100 Isabella St Ottawa ON M3B 3N2	148.2	<u>42</u>
City of Ottawa	474 Elgin Street Ottawa ON K2G 6J8	254.4	<u>91</u>
City of Ottawa	474 Elgin St Ottawa ON K1P 1J1	254.4	<u>91</u>

<u>Site</u>	Address	Distance (m)	Map Key
City of Ottawa	474 Elgin St Ottawa ON K2P 2J6	254.4	<u>91</u>
The Regional Municipality of Ottawa- Carleton	474 Elgin Street Ottawa ON K2P 2L7	254.4	91
City of Ottawa	105 Catherine Street Ottawa ON K2G 6J8	260.8	<u>95</u>
Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON	262.1	<u>96</u>
Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON	262.1	<u>96</u>
Centretown Citizens Ottawa Corporation	424 Metcalfe St Ottawa ON	262.1	<u>96</u>
LRC Development Team Test Client	150 ARGYLE Ave Ottaway ON M4W 1A1	274.6	<u>104</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 12 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	<u>Address</u>	Distance (m)	Map Key
	16 to 22 Pretoria Avenue Ottawa ON K1S 1W7	36.1	<u>5</u>
	Order ID: 78077		
	Ottawa Ottawa ON	49.8	<u>12</u>
	Order ID: 135448		

Site	Address 480 Metcalfe Street Ottawa ON K1S 3N6 Order ID: 77822	Distance (m) 79.9	Map Key 20
	480 Metcalfe Street Ottawa ON K1S 3N6 <i>Order ID:</i> 205474	79.9	<u>20</u>
	64 Isabella Street Ottawa ON K1S 1V4 Order ID: 163116	80.2	<u>21</u>
	480 Metcalfe Street And 100 Isabella Street Ottawa ON Order ID: 424010	123.2	<u>30</u>
	114 Isabella St Ottawa ON K1S1V5 Order ID: 244048	185.4	<u>53</u>
	464 Metcalfe Ottawa ON <i>Order ID:</i> 203173	227.7	<u>77</u>
	424 Metcalfe Street Ottawa ON K2P 2C3 Order ID: 50420	260.8	<u>95</u>
	150 Isabella St Ottawa ON K1S1V7 Order ID: 401152	263.9	<u>99</u>
	114 Argyle Avenue Ottawa ON K2P 1B4 Order ID: 41701	288.1	<u>110</u>
	221 Echo Drive Ottawa ON K1S 1N1	295.8	<u>117</u>

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 FST site(s) within approximately 0.30 kilometers of the project property.

Order No: 20180911009

Order ID: 63994

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	254.4	<u>91</u>
CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	254.4	<u>91</u>

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	254.4	91
CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	254.4	<u>91</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 66 GEN site(s) within approximately 0.30 kilometers of the project property.

Site PRETORIA PET HOSPITAL	Address 16 Pretoria Ave., Ottawa, ON K1S 1W7	Distance (m) 50.4	<u>Map Key</u> <u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	50.4	<u>13</u>

Site PRETORIA PET HOSPITAL	Address 16 Pretoria Ave., Ottawa, ON K1S 1W7	Distance (m) 50.4	<u>Map Key</u> <u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 PRETORIA AVENUE OTTAWA ON K1S 1W7	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON	50.4	<u>13</u>
PRETORIA PET HOSPITAL	16 Pretoria Ave., Ottawa, ON K1S 1W7	50.4	<u>13</u>
Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	80.2	<u>21</u>
Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	80.2	<u>21</u>
Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	80.2	<u>21</u>
Loblaw #1095	64 Isabella St. Ottawa ON K1S 1V4	80.2	<u>21</u>
LOBLAWS SUPERMARKETS LTD.	64 ISABELLA STREET OTTAWA ON	80.2	<u>21</u>

Site	Address	Distance (m)	<u>Map Key</u>
GOLDER ASSOCIATES	5 Pretoria Avenue Ottawa ON	103.2	<u>27</u>
FRONTIER, (OUT OF BUS) 48- 024	92 ISABELLA STREET OTTAWA ON K1S 1V5	134.0	<u>35</u>
FRONTIER, DIV. OF WESTBURNE 48-024	92 ISABELLA STREET OTTAWA ON K1S 1V5	134.0	<u>35</u>
FRONTIER, DIV. OF WESTBURNE	INDUSTRIAL ENTERPRISES LTD. 92 ISABELLA STREET OTTAWA ON K1S 1V5	134.0	<u>35</u>
ANDREW PAKUTS	20 MONKLAND AVE OTTAWA ON K1S 1Y9	190.6	<u>58</u>
TERRANCE J. MCMANUS	30 MONKLAND AVENUE OTTAWA ON K1S 1Y9	220.9	<u>74</u>
CENTRETOWN CITIZENS OTTAWA CORPORATION	464 Metcalfe Street Ottawa ON	227.7	<u>77</u>
Modern Niagara Building Services	464 Metcalfe Street Ottawa ON K2P 1B7	227.7	<u>77</u>
Modern Niagara Building Services	464 Metcalfe Street Ottawa ON K2P 1B7	227.7	77
Paramount Properties	475 Elgin st Ottawa ON K2P 2E6	233.2	<u>82</u>
City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	254.4	<u>91</u>

Site City Of Ottawa	Address 474 Elgin St. Ottawa ON K1G 6H5	<u>Distance (m)</u> 254.4	<u>Map Key</u> <u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	254.4	<u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON	254.4	<u>91</u>
OTTAWA, CORPORATION(SEE & USE ON0303131)	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
OTTAWA, CITY OF - POLICE STATION 29-232	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
Ottawa Police Service	474 Elgin Street P.O. Box 9634 Station T Ottawa ON K2P 2J6	254.4	<u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	254.4	<u>91</u>
OTTAWA, CITY OF - POLICE STATION	DEPARTMENT OF PHYSICAL ENVIRONMENT 474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	254.4	<u>91</u>
OTTAWA, (SEE & USE ON0303131)	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	254.4	<u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	254.4	91

Site	<u>Address</u>	Distance (m)	<u>Map Key</u>
City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	254.4	<u>91</u>
OTTAWA, CORPORATION	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
CITY OF OTTAWA	OTTAWA-CARLETON POLICE SERVICES 474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
OTTAWA-CARLETON,REGIONAL MUNICIPALITY OF	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	254.4	<u>91</u>
OTTAWA, CITY OF - POLICE STATION	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	OTTAWA-CARLETON POLICE SERVICES 474 ELGIN STREET OTTAWA ON K2P 2J6	254.4	<u>91</u>
Metcalfe Realty	150 Isabella Street Ottawa ON K1S 5H3	263.9	99
CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1A 0L8	263.9	99
Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	263.9	<u>99</u>

Site Metcalfe Realty Company Limited	Address 150 Isabella Steet Ottawa ON K1S 1V7	<u>Distance (m)</u> 263.9	<u>Map Key</u> 99
Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	263.9	<u>99</u>
Elevation Elevator Inc.	150 Isabella Street Ottawa ON K1S 5H3	263.9	<u>99</u>
CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1S 5P7	263.9	<u>99</u>
Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	263.9	<u>99</u>
Metcalfe Realty Company Limited	150 Isabella Steet Ottawa ON	263.9	<u>99</u>
CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1S 5P7	263.9	<u>99</u>
Metcalfe Realty Company Limited	150 Isabella Steet Ottawa ON K1S 1V7	263.9	<u>99</u>
Elevation Elevator Inc.	150 Isabella Street Ottawa ON K1S 5H3	263.9	<u>99</u>
VON National	110 Argyle Ave Ottawa ON	267.1	<u>101</u>
VON National	110 Argyle Ave Ottawa ON	267.1	<u>101</u>
DR. A. CHRISTIE	223 ECHO DRIVE OTTAWA ON K1S 1N2	287.3	<u>109</u>

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5N3	297.6	119
METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5H3	297.6	119
METCALFE REALTY COMPANY LIMITED 26-615	460 O'CONNOR ST. C/O 130 ALBERT ST. STE 210 OTTAWA ON K1S 5H3	297.6	<u>119</u>
METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5N3	297.6	<u>119</u>

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
	18 MONKLAND AVENUE OTTAWA ON K1S 1Y9	188.2	<u>55</u>
	159 PATTERSON AVENUE OTTAWA ON K1S 1Y4	291.4	<u>112</u>

PES - Pesticide Register

A search of the PES database, dated 1988-Mar 2018 has found that there are 4 PES site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
LOBLAWS SUPERMARKETS LTD. #1095	64 ISABELLA ST OTTAWA ON K1S 1V4	80.2	<u>21</u>
LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #095-3	64 ISABELLA STREET OTTAWA ON K1S 1V4	80.2	<u>21</u>

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
LOBLAWS SUPERMARKETS LTD. #1095	64 ISABELLA ST OTTAWA ON K1S 1V4	80.2	<u>21</u>
LOBLAWS INC. STORE #1095	64 ISABELLA ST OTTAWA ON K1S1V4	80.2	<u>21</u>

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 2 PINC site(s) within approximately 0.30 kilometers of the project property.

Site	<u>Address</u>	Distance (m)	Map Key
	485 Metcalfe Street, Ottawa ON	14.1	<u>2</u>
	214 Queen Elizabeth Drive, Ottawa ON	94.9	<u>25</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.30 kilometers of the project property.

Site	<u>Address</u>	Distance (m)	<u>Map Key</u>
CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	254.4	<u>91</u>

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Apr 2018 has found that there are 2 RSC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
The Palisades Club Inc.	100 ISABELLA ST, OTTAWA, ON, K1S 1V5	148.2	<u>42</u>

<u>Site</u>	<u>Address</u>	Distance (m)	<u>Map Key</u>
Centretown Citizens Ottawa Corporation	424 METCALFE ST, OTTAWA, ON, K2P 2C3 OTTAWA ON K2P 2C3	260.8	<u>95</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 7 SCT site(s) within approximately 0.30 kilometers of the project property.

Site Power Mount	Address 16 Pretoria Ave Unit B Ottawa ON K1S 1W7	Distance (m) 50.4	<u>Map Key</u> <u>13</u>
Proulx Bros. Inc.	16 Pretoria Ave Unit B Ottawa ON K1S 1W7	50.4	<u>13</u>
Sterling Marking Products Inc.	112 Isabella St Ottawa ON K1S 1V5	177.0	<u>49</u>
Advanced Coatings	150 Isabella St Suite 1200 Ottawa ON K1S 1V7	263.9	<u>99</u>
Appraisal Institute of Canada	150 Isabella St Suite 203 Ottawa ON K1S 5P7	263.9	<u>99</u>
Exclaimer	150 Isabella St suite 210 Ottawa ON K1S 5P7	263.9	<u>99</u>
ZIM Corporation	150 Isabella St Unit 150 Ottawa ON K1S 1V7	263.9	<u>99</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-May 2018 has found that there are 14 SPL site(s) within approximately 0.30 kilometers of the project property.

Site Enbridge Gas Distribution Inc.	Address 485 Metcalfe Street Ottawa ON	Distance (m) 14.1	Map Key 2
	485 Metcalfe St Ottawa ON	14.1	<u>2</u>
	16 Pretoria Ave Ottawa ON	50.4	<u>13</u>
APARTMENT BUILDING	72 PRETORIA AVE, 6 UNIT APARTMENT. FUEL OIL TANK OTTAWA CITY ON K1S 1W9	54.0	<u>14</u>
NORWAY BUS LINES	74 PRETORIA RD. MISSISSAUGA WAREHOUSE 6700 NORTHWEST DRIVE OTTAWA CITY ON K1S 1W9	65.9	<u>16</u>
City of Ottawa	500 Metcalfe St & Strathcona Ave Ottawa ON K1S 3P1	79.2	<u>19</u>
	Highway 417 @ Metcalfe St. Ottawa ON	135.8	<u>36</u>
DRAIN-ALL LTD	HWY 417 EAST, AT METCALFE TRANSPORT TRUCK (CARGO) OTTAWA CITY ON	135.8	<u>36</u>
	100 Isabella St Ottawa ON K1S 1V5	148.2	<u>42</u>
DRAIN-ALL LTD.	INTERSECTION OF ISABELLA AND ELGIN TANK TRUCK (CARGO) GLOUCESTER CITY ON	154.9	<u>43</u>
OTTAWA POLICE	474 ELGIN ST. STORAGE TANK 474 ELGIN STREET OTTAWA CITY ON K2P 2J6	254.4	<u>91</u>
City of Ottawa	474 Elgin St Ottawa ON	254.4	<u>91</u>

Site	<u>Address</u>	Distance (m)	<u>Map Key</u>
PUC	AT 474 ELGIN ST. AT THE OTTAWA POLICE STATION STORAGE TANK OTTAWA CITY ON K2P 2J6	254.4	<u>91</u>
Parks Canada (Rideau Canal)	Colonel By Dr. & Hawthorne Ave. Intersection Ottawa ON	272.5	102

WDS - Waste Disposal Sites - MOE CA Inventory

A search of the WDS database, dated Oct 2011-Jul 31, 2018 has found that there are 1 WDS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
LRC Development Team Test Client	150 ARGYLE Ave Ottaway ON M4W 1A1	274.6	<u>104</u>

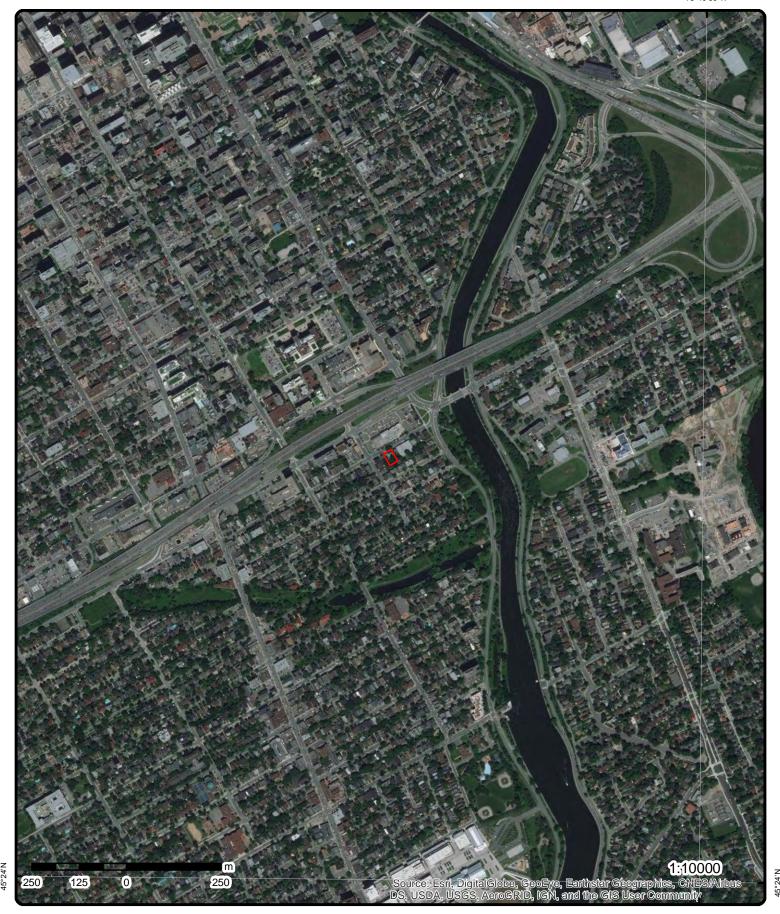
WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 10 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	Distance (m)	Map Key
	OTTAWA ON	36.6	<u>6</u>
	Well ID: 7122747		
	Ottawa ON <i>Well ID:</i> 7142127	45.6	9
	ON Well ID: 7142128	71.5	<u>18</u>
	Ottawa ON <i>Well ID:</i> 7142130	82.4	<u>22</u>
	Ottawa ON	90.8	<u>24</u>

Site	Address Well ID: 7142129	Distance (m)	Мар Кеу
	OTTAWA ON Well ID: 7044390	213.8	<u>67</u>
	lot F con C OTTAWA ON Well ID: 7292768	219.0	<u>71</u>
	lot G con C Ottawa ON Well ID: 7293173	267.1	<u>100</u>
	ON Well ID: 7206031	272.9	<u>103</u>
	OTTAWA ON	291.9	<u>113</u>

Well ID: 7218981

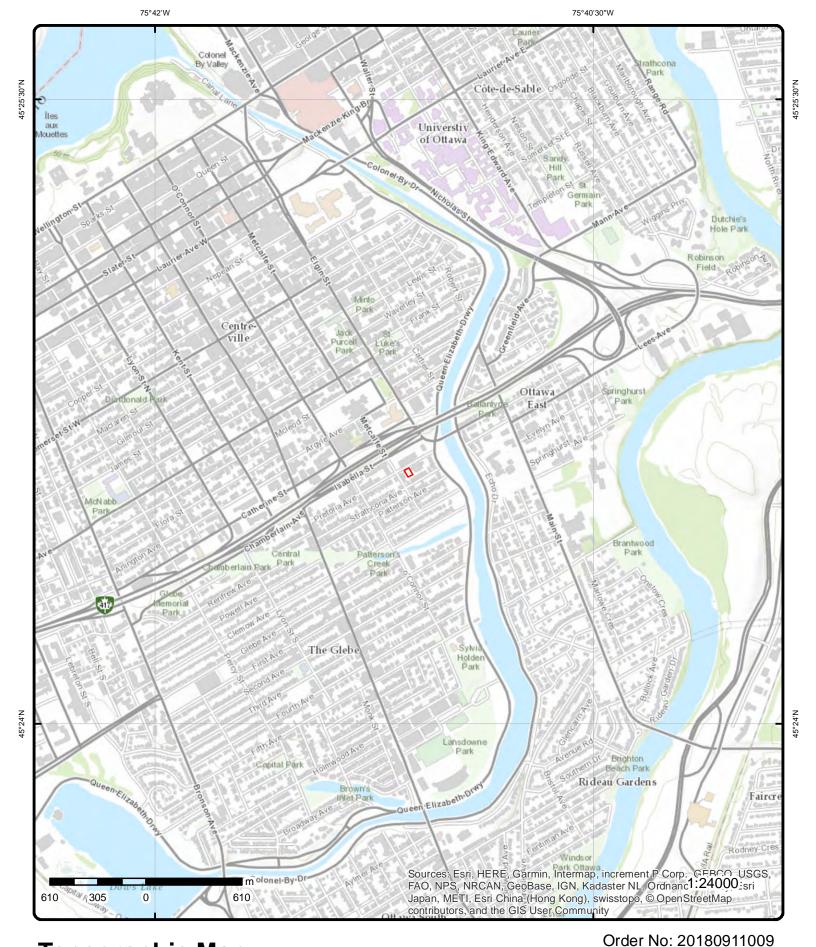


Aerial (2017)

Address: 28 & 30 Pretoria Avenue, Ottawa, ON, K1S

Source: ESRI World Imagery





Topographic Map

Address: 28 & 30 Pretoria Avenue, Ottawa, ON, K1S

Source: ESRI World Topographic Map



© ERIS Information Limited Partnership

Detail Report

Мар Кеу	Numbe Record		Elev/Diff n) (m)	Site	DB		
<u>1</u>	1 of 1	N/9.4	67.9/-1.39	ON	BORE		
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::		805673 Geotechnical/Geological In Hollow stem auger 446350.48 3.7 12-JAN-1988	vestigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::			
<u>Details</u> Stratum ID: Bottom Dept	th(m):	218585714 0.2		Top Depth(m): Stratum Desc:	0.0 Asphalt		
Stratum ID: Bottom Dept	th(m):	218585715 0.2		Top Depth(m): Stratum Desc:	0.2 Concrete		
Stratum ID: Bottom Dept	th(m):	218585716 0.8		Top Depth(m): Stratum Desc:	0.2 Grey-Brown Fill-Misc Silt - Sand Trace: Gr		
Stratum ID: Bottom Dept	th(m):	218585717 0.9		Top Depth(m): Stratum Desc:	0.8 Topsoil		
Stratum ID: Bottom Dept	th(m):	218585718 1.4		Top Depth(m): Stratum Desc:	0.9 Grey-Brown Compact Silt - Sand Trace: Gr		
Stratum ID: Bottom Depth(m):		218585719 3.0		Top Depth(m): Stratum Desc:	1.4 Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay		
Stratum ID: Bottom Dept	th(m):	218585720 3.7		Top Depth(m): Stratum Desc:	3.0 Grey Stiff Silty Clay		
2	1 of 3	WSW/14.1	69.6 / 0.31	485 Metcalfe Street, C ON	Ottawa PINC		
Incident ID: Incident No: Type: Status Code Fuel Occurre Fuel Type: Tank Status: Task No: Spills Action Method Deta Fuel Categol Date of Occu	: ence Tp: : : : : Centre: iils: ry: urrence:	546606 FS-Pipeline Incident Pending L2 Causal Analysi Unable to establish RC 3260601 E-mail Natural Gas 8/19/2011	is	Health Impact: Environment Impact: Property Damage: Service Interupt: Enforce Policy: Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: Regualtor Location:	Yes Yes FS-Perform P-line Inc Invest		

Order No: 20180911009

Number of Elev/Diff Site DΒ Map Key Direction/ (m)

Records Distance (m)

Date:

Operation Type: Pipeline Type: Regulator Type:

Summary: 485 Metcalfe Street, Ottawa - 1/2" Pipeline Hit

Todd Stiles - Enbridge Reported By:

Affiliation: Occurrence Desc:

Damage Reason: Undetermined

Notes:

2 of 3 WSW/14.1 69.6 / 0.31 Enbridge Gas Distribution Inc. 2 **SPL**

485 Metcalfe Street

Ottawa ON

Ref No: 5337-AZ8PRP Discharger Report: Material Group: Site No: NA Incident Dt: 2018/05/29 Client Type:

Corporation Year: Sector Type: Miscellaneous Industrial Pipeline/Components

Incident Cause: Source Type:

Incident Event: Leak/Break Nearest Watercourse:

Residential<UNOFFICIAL> Site Name: Contaminant Code: Contaminant Name: NATURAL GAS (METHANE) Site Address: 485 Metcalfe Street

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District: Site Postal Code:

Contaminant UN No 1: 1075

Contaminant Qty: 0 other - see incident description Site Region: Fastern Ottawa Environment Impact: Site Municipality: Nature of Impact: Site Lot:

Site Conc: Receiving Medium: Receiving Env: Air Northing: Health/Env Conseq: 2 - Minor Environment Easting:

MOE Response: Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 2018/05/29 Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

Incident Reason: Operator/Human Error

TSSA FSB: 1/2" plastic IP line damage, made safe Incident Summary:

WSW/14.1 2 3 of 3 69.6 / 0.31 485 Metcalfe St SPL Ottawa ON

Order No: 20180911009

Ref No: 0257-8EW7RA Discharger Report: Site No: Material Group: Incident Dt: 3/12/2011 Client Type: Year: Sector Type:

Pipeline Source Type: Incident Cause: Discharge or Emission to Air

Incident Event: Nearest Watercourse: Contaminant Code: Site Name:

Residence<UNOFFICIAL> NATURAL GAS (METHANE) 485 Metcalfe St Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office:

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: 0 L Site Region: Site Municipality: **Environment Impact:** Confirmed Ottawa

Nature of Impact: Air Pollution Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response: Referral to others Site Geo Ref Accu:

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

Site Geo Ref Meth: Dt MOE Arvl on Scn: MOE Reported Dt: 3/12/2011 Site Map Datum:

Dt Document Closed: 3/17/2011

Agency Involved:

SAC Action Class: TSSA - Fuel Safety Branch

Other - Reason not otherwise defined Incident Reason: Incident Summary: TSSA: severed 1/2-inch service, made safe

WNW/17.9 3 1 of 1 68.2 / -1.12 **BORE** ON

Borehole ID: 805676 **Borehole** Type:

Geotechnical/Geological Investigation Status:: Use: Drill Method:: Hollow stem auger UTM Zone:: 18

Easting:: 5028742.91 446317.68 Northing:: Location Accuracy:: Orig. Ground Elev m:: -999.9

Elev. Reliability Note:: DEM Ground Elev m:: 66.4 Total Depth m:: 4.3 Primary Name:: BH.5 Township:: Concession::

Municipality: Lot::

Completion Date:: 12-JAN-1988 Static Water Level:: 2.3

Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 218585728

Top Depth(m): Bottom Depth(m): 0.2 Stratum Desc: Asphalt 218585729 Stratum ID: Top Depth(m): 0.2

Bottom Depth(m): 0.4 Stratum Desc: Concrete

218585730 Top Depth(m): Stratum ID:

Stratum Desc: Grey-Brown Fill-Misc Silt - Sand Trace: Gr Bottom Depth(m): 0.9

Stratum ID: 218585731 Top Depth(m): 0.9 Stratum Desc: Bottom Depth(m): 1.2 Topsoil

218585732 Stratum ID: Top Depth(m):

Bottom Depth(m): Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust 2.5

Silty Clay

Order No: 20180911009

0.0

Stratum ID: 218585733 Top Depth(m): 2.5

Bottom Depth(m): Stratum Desc: Grey Stiff Silty Clay 4.3

NNE/35.4 69.0 / -0.31 1 of 1 **BORE**

ON

Borehole ID: Type: Borehole

Geotechnical/Geological Investigation Status:: Use:

Drill Method:: UTM Zone:: Hollow stem auger 18 Easting:: 446382.55 Northing:: 5028778.19

Location Accuracy:: Orig. Ground Elev m:: -999.9 Elev. Reliability Note:: DEM Ground Elev m:: 65.7 Total Depth m:: 3.7 Primary Name:: BH.3 Township:: Concession::

Lot:: Municipality:

Completion Date:: 12-JAN-1988 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 218585709 Top Depth(m):

Grey-Brown Very Stiff to Stiff Weathered Crust Bottom Depth(m): 3.0 Stratum Desc:

Map Key	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
•						Silty Clay
Stratum ID: Bottom Depth	n(m):	218585710 3.7			Top Depth(m): Stratum Desc:	3.0 Grey Stiff Silty Clay
Stratum ID: Bottom Depth	n(m):	218585705 0.1			Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Depth	n(m):	218585706 0.3			Top Depth(m): Stratum Desc:	0.1 Concrete
Stratum ID: Bottom Depth	n(m):	218585707 1.0			Top Depth(m): Stratum Desc:	0.3 Brown Compact Fill-Misc Silt - Sand Trace: Gr Tr Constr Debris
Stratum ID: Bottom Depth	n(m):	218585708 1.3			Top Depth(m): Stratum Desc:	1.0 Grey-Brown Compact Silt - Sand Trace: Gr
<u>5</u>	1 of 1		NE/36.1	69.0 / -0.31	16 to 22 Pretoria Ave Ottawa ON K1S 1W7	nue EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code: Report Type: Report Date: Report Reque Nearest Inters Previous Site	ested by: section: Name:	S		a, between Metca	Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	6/12/2006 13,400 square feet ON 0.25 2 -75.685049 45.410275
<u>6</u>	1 of 1		N/36.6	66.5/-2.73	OTTAWA ON	wwis
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m). Elevation Reli Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N) Flow Rate: Clear/Cloudy:	r Use: se: ttus: tial: Method: iability: rock: Bedrock:	7122747 Monitoring 0 Z88886 A081085			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	5/7/2009 Yes 7241 7 64 ISABELLA OTTAWA-CARLETON OTTAWA CITY
Bore Hole Info	<u>ormation</u>					
Bore Hole ID:		100242220	3		Elevation:	65.62

Order No: 20180911009

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

Elevrc:

East83:

Org CS:

North83:

UTMRC:

UTMRC Desc:

Location Method:

18 446353

UTM83

5028790

margin of error: 10 - 30 m

Order No: 20180911009

Zone:

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 08-APR-09

Remarks:

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1002550018

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:77Other Materials:LOOSEFormation Top Depth:5Formation End Depth:18Formation End Depth UOM:ft

Formation ID: 1002550017

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 01

 Most Common Material:
 FILL

Mat2:

Other Materials:

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

Annular Space/Abandonment

Sealing Record

Plug ID: 1002550022

 Layer:
 3

 Plug From:
 7

 Plug To:
 18

 Plug Depth UOM:
 ft

Plug ID: 1002550021

 Layer:
 2

 Plug From:
 1

 Plug To:
 7

 Plug Depth UOM:
 ft

Plug ID: 1002550020

Layer: 1 Plug From: 0

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

Plug To:

Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1002550027 D

Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

1002550016 Pipe ID:

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1002550024

Layer: Material: 5

Open Hole or Material: **PLASTIC**

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

Construction Record - Screen

Screen ID: 1002550025

Layer: 1 Slot: 10 Screen Top Depth: 8 Screen End Depth: 18 Screen Material: 5 Screen Depth UOM: ft Screen Diameter UOM: inch

Screen Diameter: 1.25

Water Details

Water ID: 1002550023

Layer: Kind Code: Kind:

Water Found Depth:

Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1002550019 Diameter: 5.71 Depth From: 0 18 Depth To:

Hole Depth UOM: ft Hole Diameter UOM: cm

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) SW/40.9 7 1 of 1 69.6 / 0.34 **BORE** ON Borehole ID: 805528 Type: **Borehole** Use: Geotechnical/Geological Investigation Status:: Drill Method:: Hollow stem auger UTM Zone:: 18 446311.06 Northing:: 5028702.53 Easting:: Location Accuracy:: Orig. Ground Elev m:: -999.9 Elev. Reliability Note:: DEM Ground Elev m:: 66.6 Total Depth m:: 3.7 Primary Name:: BH.1 Township:: Concession:: Municipality: Lot:: Completion Date:: 12-JAN-1988 Static Water Level:: -999.9 Sec. Water Use:: Primary Water Use:: --Details--Stratum ID: 218585119 Top Depth(m): 0.0 Stratum Desc: Bottom Depth(m): 0.1 Asphalt 218585120 Top Depth(m): 0.1 Stratum ID: Bottom Depth(m): 0.2 Stratum Desc: Concrete Stratum ID: 218585121 Top Depth(m): Bottom Depth(m): 3.7 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty 68.2 / -1.12 1 of 2 W/44.6 R.M. OF OTTAWA-CARLETON - STRATHCONA 8 CA METCALFE ST./PRETORIA AVE. OTTAWA CITY ON Certificate #: 7-0384-92-Application Year: 92 Issue Date: 5/5/1992 Approval Type: Municipal water Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::** 8 2 of 2 W/44.6 68.2 / -1.12 OTTAWA CITY - STRATHCONA AVE. CA METCALFE ST./PRETORIA AVE. OTTAWA CITY ON Certificate #: 3-0449-92-Application Year: 92 5/5/1992 Issue Date: Approval Type: Municipal sewage Approved Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code::

Order No: 20180911009

Project Description:: Contaminants:: Emission Control:: Map Key Number of Direction/ Elev/Diff Site DΒ

Records Distance (m) (m)

1 of 1 WNW/45.6 68.2 / -1.12 9 **WWIS** Ottawa ON

7142127 Well ID:

Construction Date: Monitoring and Test Hole Primary Water Use:

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type:

Casing Material:

Audit No: Z100127 A091016 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate:

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

3/24/2010 Date Received: Selected Flag: Yes

Abandonment Rec:

Data Entry Status:

Contractor: 7241 Form Version: 7

Owner:

Data Src:

Street Name: 64 ISABELLA ST. **OTTAWA-CARLETON** County: **OTTAWA CITY** Municipality:

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Elevation:

Elevrc:

East83:

Zone:

Bore Hole Information

Bore Hole ID: 1002952987

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed:

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

24-FEB-10

Overburden and Bedrock

Materials Interval

1003157988 Formation ID:

2 Layer: Color: General Color: **GREY** Mat1: 05 Most Common Material: CLAY

Mat2:

Other Materials:

Mat3:

Other Materials: WATER-BEARING

Formation Top Depth: 1.83 Formation End Depth: 4.88 Formation End Depth UOM: m

Formation ID: 1003157987

Layer:

margin of error: 30 m - 100 m UTMRC Desc:

65.98

446291

UTM83

Order No: 20180911009

18

Location Method:

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

Color: 6 General Color: **BROWN** Mat1: 11 Most Common Material: **GRAVEL** Mat2: 28 SAND Other Materials: Mat3: 73 Other Materials: HARD Formation Top Depth: 0 Formation End Depth: 1.83 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1003157991

 Layer:
 2

 Plug From:
 .31

 Plug To:
 1.5

 Plug Depth UOM:
 m

Plug ID: 1003157990

 Layer:
 1

 Plug From:
 0

 Plug To:
 .31

 Plug Depth UOM:
 m

Plug ID: 1003157992

 Layer:
 3

 Plug From:
 1.5

 Plug To:
 4.88

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003157998 Method Construction Code: D

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1003157986

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003157994

Layer: 1 Material: 5

Open Hole or Material:PLASTICDepth From:0Depth To:1.83Casing Diameter:3.45Casing Diameter UOM:cmCasing Depth UOM:m

Construction Record - Screen

Map Key	Number Records		Elev/Diff (m)	Site	DB
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mate Screen Depti Screen Diam	Depth: rial: h UOM: eter UOM:	1003157995 1 10 1.83 4.88 5 m cm 4.21			
Water Details	<u>s</u>				
Water ID: Layer: Kind Code: Kind: Water Found	I Donth:	1003157993			
Water Found		<i>M:</i> m			
Hole Diamete	<u>er</u>				
Hole ID: Diameter: Depth From: Depth To: Hole Depth U	ЈОМ:	1003157989 8.25 0 4.88 m cm			
<u>10</u>	1 of 1	SSW/46.0	69.9 / 0.61	ON	BORE
Borehole ID: Use: Drill Method: Easting:: Location Act Elev. Reliabi Total Depth I Township:: Lot:: Completion I	:: curacy:: lity Note:: m:: Date::	805529 Geotechnical/Geological Inve Hollow stem auger 446330.03 3.7 12-JAN-1988	stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028671.19 -999.9 67.4 BH.2 -999.9
Details Stratum ID: Bottom Dept	:h(m):	218585122 0.1		Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Dept	h(m):	218585123 0.2		Top Depth(m): Stratum Desc:	0.1 Concrete
Stratum ID: Bottom Dept	h(m):	218585124 0.9		Top Depth(m): Stratum Desc:	0.2 Brown Fill-Misc Sand - Gravel Trace: Si
Stratum ID: Bottom Dept	rh(m):	218585125 3.7		Top Depth(m): Stratum Desc:	0.9 Grey-Brown Very Stiff Weathered Crust Silty Clay
<u>11</u>	1 of 1	W/47.9	68.9/-0.33	ON	BORE
Borehole ID:		805677		Туре:	Borehole

Order No: 20180911009

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

Geotechnical/Geological Investigation Use:

Drill Method:: Hollow stem auger

5028733.95 Easting:: 446288.36 Northing:: Location Accuracy:: Orig. Ground Elev m:: -999.9

Elev. Reliability Note:: 3.7 Total Depth m::

0.1

Township::

Lot:: Completion Date:: 12-JAN-1988

Primary Water Use::

Bottom Depth(m):

--Details--218585734 Stratum ID:

Stratum ID: 218585735 Bottom Depth(m): 0.2

218585736 Stratum ID:

Bottom Depth(m): 1.1

218585737 Stratum ID:

Bottom Depth(m): 2.2

Stratum ID: 218585738

Bottom Depth(m): 3.7 Status::

UTM Zone:: 18

DEM Ground Elev m:: 65.8 Primary Name:: BH.6

Concession:: Municipality:

Static Water Level:: -999.9

Sec. Water Use::

Top Depth(m): 0.0 Stratum Desc: Asphalt

Top Depth(m): 0.1 Stratum Desc: Concrete

Top Depth(m):

Stratum Desc: Brown to Black Compact Fill-Misc Sand With:

Si W Gr Trace: Constr Debris

EHS

GEN

Order No: 20180911009

Top Depth(m):

Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust

Silty Clay

Top Depth(m): 2.2

Stratum Desc: Grey Stiff Silty Clay

SSE/49.8 1 of 1 69.9 / 0.61 12

Ottawa ON

Date Received: 4/24/2008

Lot/Building Size:

Ottawa

Municipality: Client Prov/State: ON Search Radius (km): 0.25

Large Radius: 0.25 -75.685183 X: Y: 45.4095

4CAN Report Date: 7/21/2008

135448

70548

50

С

20080424023

Custom Report

Report Requested by: Nearest Intersection: Previous Site Name: Additional Info Ordered:

> NE/50.4 1 of 14 68.9 / -0.39 13

Golder Associates Ltd.

PRETORIA PET HOSPITAL 16 Pretoria Ave..

Ottawa, ON K1S 1W7

Generator No.: ON2420300

Status:

Order ID:

Order No: **Customer ID:**

Status: Report Code:

Company ID:

Report Type:

02,03,04,05,06,07,08 Approval Years:

Contam. Facility: MHSW Facility: SIC Code: SIC Description:

Country:

Choice of Contact: Co Admin:

PO Box No.:

Phone No. Admin:

--Details--

Waste Code:

PHARMACEUTICALS Waste Description:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) 264 Waste Code: Waste Description: PHOTOPROCESSING WASTES Waste Code: Waste Description: PATHOLOGICAL WASTES 13 2 of 14 NE/50.4 68.9 / -0.39 PRETORIA PET HOSPITAL **GEN** 16 Pretoria Ave., Ottawa, ON K1S 1W7 ON2420300 Generator No.: PO Box No.: Registered Status: Country: Canada Approval Years: As of Dec 2017 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin: SIC Code: SIC Description: --Details--312 P Waste Code: Waste Description: Pathological wastes 3 of 14 NE/50.4 68.9 / -0.39 PRETORIA PET HOSPITAL 13 **GEN** 16 Pretoria Ave., Ottawa, ON Generator No.: ON2420300 PO Box No.: Status: Country: Choice of Contact: Approval Years: 2011 Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin: SIC Code: 541940 Veterinary Services SIC Description: --Details--312 Waste Code: Waste Description: PATHOLOGICAL WASTES Waste Code: Waste Description: PHOTOPROCESSING WASTES 13 4 of 14 NE/50.4 68.9 / -0.39 PRETORIA PET HOSPITAL **GEN** 16 Pretoria Ave., Ottawa, ON Generator No.: ON2420300 PO Box No.: Status: Country: Approval Years: 2013 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin: SIC Code: 541940 SIC Description: VETERINARY SERVICES

Order No: 20180911009

--Details--

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 264

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

Waste Description:

PHOTOPROCESSING WASTES

68.9 / -0.39

NE/50.4

ON2420300 Generator No.:

5 of 14

Status:

13

2016 Approval Years: Contam. Facility: No MHSW Facility: No 541940 SIC Code:

SIC Description: **VETERINARY SERVICES**

--Details--

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Waste Code:

Waste Description: PATHOLOGICAL WASTES

6 of 14 NE/50.4 68.9 / -0.39 13

Ottawa, ON K1S 1W7

Generator No.: ON2420300

Status:

2012 Approval Years:

Contam. Facility: MHSW Facility:

SIC Code: 541940

SIC Description: Veterinary Services

--Details--

Waste Code:

PHOTOPROCESSING WASTES Waste Description:

Waste Code: 312

PATHOLOGICAL WASTES Waste Description:

7 of 14 NE/50.4 68.9 / -0.39 13

Generator No.: ON2420300 PO Box No.: Status: Country:

Choice of Contact: Approval Years: 98,99,00,01 Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

SIC Code: 0211

VETERINARY SERVICE SIC Description:

--Details--

Waste Code:

Waste Description: **PHARMACEUTICALS**

Waste Code: 264

PHOTOPROCESSING WASTES Waste Description:

GEN

PRETORIA PET HOSPITAL

Country: Choice of Contact: Co Admin:

Phone No. Admin:

16 Pretoria Ave., Ottawa, ON K1S 1W7

PO Box No.:

CO_ADMIN Maria Blair 613-565-0588 Ext.

Canada

GEN

16 Pretoria Ave.,

PRETORIA PET HOSPITAL

PRETORIA PET HOSPITAL

16 PRETORIA AVENUE OTTAWA ON K1S 1W7

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

Phone No. Admin:

GEN

Order No: 20180911009

Map Key Number of Direction/ Elev/Diff Site DB

Waste Code: 312

Records

Waste Description: PATHOLOGICAL WASTES

Distance (m)

(m)

13 8 of 14 NE/50.4 68.9 / -0.39 PRETORIA PET HOSPITAL GEN

Ottawa, ON K1S 1W7

Canada

CO_ADMIN

613-565-0588 Ext.

Order No: 20180911009

Maria Blair

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

Generator No.: ON2420300

Status:

Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 541940

SIC Description: VETERINARY SERVICES

--Details--

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

13 9 of 14 NE/50.4 68.9 / -0.39 PRETORIA PET HOSPITAL GEN
16 Pretoria Ave.,
Ottawa, ON

PO Box No.:

Choice of Contact:

Phone No. Admin:

Phone No. Admin:

Country:

Co Admin:

Generator No.: ON2420300

Status:

Approval Years: 2009

Contam. Facility:

MHSW Facility:

SIC Code: 541940

SIC Description: Veterinary Services

--Details--

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

13 10 of 14 NE/50.4 68.9 / -0.39 PRETORIA PET HOSPITAL 16 Pretoria Ave.,

Ottawa, ON

Generator No.: ON2420300 PO Box No.:

Status:Country:Approval Years:2010Choice of Contact:Contam. Facility:Co Admin:

MHSW Facility:

MHSW Facility:

SIC Code: 541940

SIC Description: Veterinary Services

--Details--

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) 312 Waste Code: Waste Description: PATHOLOGICAL WASTES 11 of 14 PRETORIA PET HOSPITAL NE/50.4 68.9 / -0.39 13 **GEN** 16 Pretoria Ave., Ottawa, ON K1S 1W7 Generator No.: ON2420300 PO Box No.: Status: Country: Canada Approval Years: 2014 Choice of Contact: CO_ADMIN Contam. Facility: No Co Admin: Maria Blair MHSW Facility: Phone No. Admin: 613-565-0588 Ext. No SIC Code: 541940 VETERINARY SERVICES SIC Description: --Details--Waste Code: 312 PATHOLOGICAL WASTES Waste Description: Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES 12 of 14 NE/50.4 68.9 / -0.39 Proulx Bros. Inc. 13 SCT 16 Pretoria Ave Unit B Ottawa ON K1S 1W7 Established: 01-AUG-95 Plant Size (ft2): Employment: --Details--Description: Showcase, Partition, Shelving and Locker Manufacturing SIC/NAICS Code: 337215 Description: Showcase, Partition, Shelving and Locker Manufacturing SIC/NAICS Code: 337215 NE/50.4 68.9 / -0.39 13 13 of 14 **Power Mount** SCT 16 Pretoria Ave Unit B Ottawa ON K1S 1W7 Established: 1995 Plant Size (ft2): Employment: 3 --Details--Showcase, Partition, Shelving and Locker Manufacturing Description: SIC/NAICS Code: 337215

 Ref No:
 2252-9CAN2J
 Discharger Report:

 Site No:
 Material Group:

 Incident Dt:
 2013/10/08
 Client Type:

NE/50.4

Year: Sector Type: Motor Vehicle

68.9 / -0.39

16 Pretoria Ave

Ottawa ON

SPL

Order No: 20180911009

13

14 of 14

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

Source Type:

Site District Office:

Site Postal Code:

Site Municipality:

Site Geo Ref Accu:

Site Geo Ref Meth:

Site Map Datum:

Site Region:

Site Lot:

Site Conc:

Northing:

Easting:

Site County/District:

Incident Cause: Dumping

Incident Event:

Nearest Watercourse:

Coolant Spill Site<UNOFFICIAL> Contaminant Code: Site Name: COOLANT N.O.S. Contaminant Name: Site Address: 16 Pretoria Ave

Contaminant Limit 1: Contam Limit Freq 1:

Contaminant UN No 1: Contaminant Qty: 0 other - see incident description

2013/10/08

Environment Impact: Confirmed Nature of Impact: Other Impact(s)

Receiving Medium: Receiving Env: Health/Env Conseq:

No Field Response MOE Response:

Dt MOE Arvl on Scn: MOE Reported Dt:

Dt Document Closed: Agency Involved:

SAC Action Class: Watercourse Spills Incident Reason: Deliberate Act

Refrigeration Truck Illegal Dumping Incident Summary:

WSW/54.0 14 1 of 1 69.6 / 0.34 APARTMENT BUILDING

72 PRETORIA AVE, 6 UNIT APARTMENT. FUEL

SPL

Order No: 20180911009

Ottawa

OIL TANK

Site Map Datum:

OTTAWA CITY ON K1S 1W9

Ref No: 154853 Discharger Report: Site No: Material Group: Incident Dt: // Client Type: Year: Sector Type:

Incident Cause: OTHER CONTAINER LEAK Source Type: Nearest Watercourse: Incident Event:

Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

POSSIBLE 20101 **Environment Impact:** Site Municipality:

Nature of Impact: Soil contamination Site Lot: Site Conc: Receiving Medium: LAND Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: **Dt Document Closed:** Agency Involved:

SAC Action Class:

CORROSION Incident Reason:

4/22/1998

APARTMENT BUILDING-15L FURNACE OIL TO BASEMENT FLOOR, SOAKED INTO CRACKS Incident Summary:

1 of 1 NNE/54.0 66.7 / -2.60 15 **BORE** ON

Borehole ID: 613213 Type: Borehole

Use: Status::

Drill Method:: UTM Zone:: 18 446381 Northing:: 5028802 Easting:: Location Accuracy:: Orig. Ground Elev m:: 66.4

Elev. Reliability Note:: **DEM Ground Elev m::** 65.6

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

Total Depth m:: -999 Primary Name:: Township:: Concession::

Lot:: Municipality: Completion Date:: Static Water Level::

-999.9 Primary Water Use:: Sec. Water Use::

--Details--

218394161 0.0 Stratum ID: Top Depth(m): Bottom Depth(m): Stratum Desc: FILL. 1.2

218394162 1.2 Stratum ID: Top Depth(m):

CLAY. GREY, STIFF. Bottom Depth(m): 4.6 Stratum Desc:

Stratum ID: 218394163 Top Depth(m): 4.6

Stratum Desc: CLAY. GREY, STIFF. Bottom Depth(m): 17.1

Stratum ID: 218394164 Top Depth(m):

SILT. LOOSE. Bottom Depth(m): 20.1 Stratum Desc:

Stratum ID: 218394165 Top Depth(m): 20.1

Bottom Depth(m): Stratum Desc: SILT. FIRM, GRADED. . CLAY.

BROWN, GREY, VERY SOFT, FISSURED. CLAY.

SPL

Order No: 20180911009

BROWN, GREY, STIFF. CLAY. GR

16 1 of 1 WSW/65.9 69.9 / 0.61 NORWAY BUS LINES

74 PRETORIA RD. MISSISSAUGA WAREHOUSE

6700 NORTHWEST DRIVE **OTTAWA CITY ON K1S 1W9**

59970 Ref No: Discharger Report:

Site No:

Material Group: Incident Dt: 11/20/1991 Client Type: Year: Sector Type: Incident Cause: PIPE/HOSE LEAK Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Contaminant Name: Site Address: Site District Office: Contaminant Limit 1: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

Environment Impact: NOT ANTICIPATED Site Municipality: 20101

Surface Water Pollution Nature of Impact: Site Lot: WATER Receiving Medium: Site Conc:

WORKS DEPT.

Receiving Env: Northing: Health/Env Conseq: Easting: MOE Response: Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth: 11/20/1991 **MOE** Reported Dt: Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class:

Incident Reason: CORROSION

NORWAY BUS LINES: 130L TRANSMISSION FLUID LEAK TO STORM SEWER CATCHBASIN Incident Summary:

NE/68.9 67.3 / -1.97 1 of 1 17 **BORE** ON

Borehole ID: Borehole Type:

Use: Geotechnical/Geological Investigation Status:: Map Key Number of Direction/ Elev/Diff Site DB
Records Distance (m) (m)

Drill Method:: Hollow stem auger UTM Zone:: 18

 Easting::
 446412.32
 Northing::
 5028794.63

 Location Accuracy::
 Orig. Ground Elev m::
 -999.9

Elev. Reliability Note::

Total Depth m::

3.7

Township::

DEM Ground Elev m::
65.2

Primary Name::
BH.2

Concession::

Lot:: Municipality:
Completion Date:: 11-JAN-1988 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

Bottom Depth(m): 0.2 Stratum Desc: Asphalt

 Stratum ID:
 218585697
 Top Depth(m):
 0.2

 Bottom Depth(m):
 0.3
 Stratum Desc:
 Concrete

Stratum ID: 218585698 **Top Depth(m)**: 0.3

Bottom Depth(m): 1.5 Stratum Desc: Grey-Brown to Black Compact Fill-Misc Silt -

Sand With: Brk Frag Trace: Gr

Stratum ID: 218585699 **Top Depth(m):** 1.5

Bottom Depth(m): 3.0 Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust

Silty Clay

Order No: 20180911009

Stratum ID: 218585700 **Top Depth(m):** 3.0

Bottom Depth(m): 3.7 Stratum Desc: Grey-Brown to Grey Firm Silty Clay

18 1 of 1 NW/71.5 68.2 / -1.08 WWIS

Well ID: 7142128 Data Entry Status:

Construction Date:

Primary Water Use:

Monitoring and Test Hole

Sec. Water Use:

0

Data Src:

Date Received:

Selected Flag:

Yes

Final Well Status: Monitoring and Test Hole Abandonment Rec:
Water Type: Contractor: 7241

Casing Material: Form Version: 7
Audit No: Z100126 Owner:

Tag: A091017 Street Name: 64 ISABELLA ST.
Construction Method: County: OTTAWA-CARLETON
Elevation (m): Municipality: OTTAWA CITY

Elevation (m):

Elevation Reliability:

Depth to Bedrock:

Well Depth:

Municipality:

Site Info:

Lot:

Concession:

Overburden/Bedrock:
Concession.

Verburden/Bedrock:
Concession.

Conce

Bore Hole Information

Bore Hole ID: 1002952989 **Elevation:** 65.87

DP2BR: Elevrc:
Spatial Status: Zone: 18

 Spatial Status:
 20ne:
 16

 Code OB:
 East83:
 446301

 Code OB Desc:
 Org CS:
 UTM83

 Open Hole:
 North83:
 5028805

 Cluster Kind:
 UTMRC:
 4

Date Completed: 24-FEB-10 UTMRC Desc: margin of error: 30 m - 100 m

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

Location Method: Remarks: wwr

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock **Materials Interval**

Formation End Depth UOM:

Formation ID: 1003158161

Layer: Color: 6 **BROWN** General Color: Mat1: 11 Most Common Material: **GRAVEL** Mat2: 28 Other Materials: SAND Mat3: 73 HARD Other Materials: Formation Top Depth: 0 Formation End Depth: 1.83

1003158162 Formation ID:

m

Layer: 2 Color: **GREY** General Color: Mat1: 05 CLAY Most Common Material:

Mat2:

Other Materials:

Mat3: 85 Other Materials: SOFT Formation Top Depth: 1.83 3.66 Formation End Depth: Formation End Depth UOM:

Formation ID: 1003158163

3 Layer: Color: 2 General Color: **GREY** 05 Mat1: Most Common Material: CLAY

Mat2:

Other Materials:

Mat3: 85 SOFT Other Materials: Formation Top Depth: 3.66 Formation End Depth: 5.79 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

1003158165 Plug ID:

Layer: 0 Plug From: Plug To: .31 Plug Depth UOM: m

Plug ID: 1003158167

Layer:

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

 Plug From:
 2.44

 Plug To:
 5.79

 Plug Depth UOM:
 m

Plug ID: 1003158166

 Layer:
 2

 Plug From:
 .31

 Plug To:
 2.44

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003158173

Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1003158160

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003158169

Layer: 1 Material: 5 **PLASTIC** Open Hole or Material: Depth From: 0 Depth To: 2.74 Casing Diameter: 3.45 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003158170

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 2.74

 Screen End Depth:
 5.79

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 4.21

Water Details

Water ID: 1003158168

Layer: Kind Code: Kind:

Water Found Depth: m

Hole Diameter

Hole ID: 1003158164

Map Key	Number Record		Elev/Diff (m) (m)	Site		DE
Diameter:		8.25				
Depth Fron	n:	0				
Depth To:		5.79				
Hole Depth	иом:	m				
Hole Diame	eter UOM:	cm				
<u>19</u>	1 of 1	SSW/79.2	69.9 / 0.61	City of Ottawa 500 Metcalfe St & Stra Ottawa ON K1S 3P1	athcona Ave	SPL
Ref No:		1786-8VHMMK		Discharger Report:		
Site No:				Material Group:		
ncident Dt	•	22-JUN-12		Client Type:		
Year:	-			Sector Type:		
ncident Ca	uise.			Source Type:		
ncident Ev				Nearest Watercourse:		
Contamina				Site Name:	Catchbasin <unofficial></unofficial>	
Contamina				Site Address:	500 Metcalfe St & Strathcona Ave	
Contamina				Site District Office:	300 Meteane of a Giratricona Ave	
Contam Lin				Site County/District:		
	nt UN No 1:			Site Postal Code:		
Contamina						
	•			Site Region:	Ottawa	
Environme				Site Municipality: Site Lot:	Ollawa	
lature of In		Sawaga Municipal/Brive	sta and Commercial			
Receiving I		Sewage - Municipal/Priva	ale and Commercial	Site Conc: Northing:		
Receiving L				_		
Health/Env Conseq: MOE Response:		No Field Bosponso		Easting: Site Geo Ref Accu:		
Dt MOE Arvi on Scn:		No Field Response		Site Geo Ref Meth:		
		22-JUN-12				
MOE Repoi		22-JUN-12		Site Map Datum:		
Agency Inv	nt Closed:					
SAC Action		Land Spilla				
ncident Re		Land Spills				
ncident Su		Unknown: App	rox. 2L turpentine into	CB & road; cln		
<u>20</u>	1 of 2	W/79.9	69.6 / 0.29	480 Metcalfe Street Ottawa ON K1S 3N6		EHS
Order ID:		205474		Date Received:	4/10/2012 10:19:43 AM	
Order No:		20120410004		Lot/Building Size:	., . 3/2012 10.10.70 / 11/1	
Customer I	D.	83800		Municipality:		
Company II		77		Client Prov/State:	ON	
Status:	-•	C		Search Radius (km):	0.25	
Report Cod	le.	4CAN		Large Radius:	2	
Report Typ		Custom Report		X:	-75.686817	
Report Date		4/16/2012 10:22:13 AM		γ. Υ:	45.4102	
	e. Juested by:	Pinchin Enviror	nmental		70.7102	
Nearest Int		i monini Envilor				
Previous S						
	Info Ordered	:				
<u>20</u>	2 of 2	W/79.9	69.6 / 0.29	480 Metcalfe Street Ottawa ON K1S 3N6		EHS
Order ID:		77822		Date Received:	6/5/2006	
Order No:		20060605009		Lot/Building Size:		
Customer I	D.	36847		Municipality:		

Municipality: Client Prov/State:

Large Radius:

Search Radius (km):

ON

2

0.25

Order No: 20180911009

20060605009 36847 31985

С

3CAN

Status: Report Code:

Customer ID: Company ID:

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

 Report Type:
 Complete Report
 X:
 -75.68683

 Report Date:
 6/13/2006
 Y:
 45.410445

Report Requested by: Jacques Whitford Limited

Nearest Intersection: Previous Site Name: Additional Info Ordered:

21 1 of 11 N/80.2 66.9 / -2.41 Loblaw Properties Limited

64 Isabella St Ottawa ON L6Y 5S5 **ECA**

Order No: 20180911009

6562-99VJBQ SWP Area Name: Rideau Valley Approval No: Approval Date: 2013-07-30 **MOE District:** Ottawa Approved Ottawa Status: City: -75.686066 Record Type: ECA Longitude: Link Source: **IDS** Latitude: 45.410522

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: 64 Isabella St Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4792-96UPPW-14.pdf

21 2 of 11 N/80.2 66.9 / -2.41 64 Isabella Street Ottawa ON K1S 1V4

 Order ID:
 163116
 Date Received:
 3/23/2009

 Order No:
 20090323034
 Lot/Building Size:

 Customer ID:
 77170
 Municipality:

 Company ID:
 97
 Client Prov/State:
 ON

 Status:
 C
 Search Radius (km):
 0.25

 Report Code:
 3CAN
 Large Radius:
 2

 Report Type:
 Standard Report
 X:
 -75.685681

 Report Date:
 4/1/2009
 Y:
 45.410919

Report Requested by: Trow Associates Inc.

Nearest Intersection: Previous Site Name:

Additional Info Ordered: Fire Insur. Maps and/or Site Plans

21 3 of 11 N/80.2 66.9 / -2.41 Loblaw #1095 64 Isabella St.

Ottawa ON K1S 1V4

Generator No.: ON5506049 PO Box No.:

 Status:
 Country:
 Canada

 Approval Years:
 2014
 Choice of Contact:
 CO_OFFICIAL

 Contam Facility:
 No
 Co Admin:

Contam. Facility:NoCo Admin:MHSW Facility:NoPhone No. Admin:

SIC Code: 445110

SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

--Details--

Waste Code: 122

Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

21 4 of 11 N/80.2 66.9 / -2.41 Loblaw #1095 64 Isabella St.

Ottawa ON K1S 1V4

Generator No.: ON5506049 PO Box No.:

Status:RegisteredCountry:CanadaApproval Years:As of Dec 2017Choice of Contact:

Approval Years: As o
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

Co Admin: Phone No. Admin:

Order No: 20180911009

--Details--

Waste Code: 145 L

Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 122 0

Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Code: 242 L

Waste Description: Halogenated pesticides and herbicides

Waste Code: 269 L

Waste Description: Organic non-halogenated pesticide and herbicide wastes

Waste Code: 112 C

Waste Description: Acid solutions - containing heavy metals

Waste Code: 252 L

Waste Description: Waste crankcase oils and lubricants

Waste Code: 269 T

Waste Description: Organic non-halogenated pesticide and herbicide wastes

Waste Code: 262 C

Waste Description: Detergents and soaps

Waste Code: 261 B

Waste Description: Pharmaceuticals

Waste Code: 261 A

Waste Description: Pharmaceuticals

Waste Code: 148 l

Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 148 A

Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 263 A

Waste Description: Misc. waste organic chemicals

Waste Code: 312 P

Waste Description: Pathological wastes

Waste Code: 262 L

Waste Description: Detergents and soaps

Waste Code: 263 C

Waste Description: Misc. waste organic chemicals

Waste Code: 261 l

Waste Description: Pharmaceuticals

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

Waste Code: 145 l

Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 261 L

Waste Description: Pharmaceuticals

Waste Code: 212 L

Waste Description: Aliphatic solvents and residues

Waste Code: 212

Waste Description: Aliphatic solvents and residues

Waste Code: 146 T

Waste Description: Other specified inorganic sludges, slurries or solids

Waste Code: 331 L

Waste Description: Waste compressed gases including cylinders

Waste Code: 331

Waste Description: Waste compressed gases including cylinders

Waste Code: 242 T

Waste Description: Halogenated pesticides and herbicides

Waste Code: 263 L

Waste Description: Misc. waste organic chemicals

21 5 of 11 N/80.2 66.9 / -2.41 Loblaw #1095 64 Isabella St.

Ottawa ON K1S 1V4

GEN

Order No: 20180911009

Generator No.: ON5506049 PO Box No.:

Status: Country: Canada

Approval Years: 2015 Choice of Contact: CO_OFFICIAL

Contam. Facility:NoCo Admin:MHSW Facility:NoPhone No. Admin:

SIC Code: 445110

SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

--Details--

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 122

Waste Description: ALKALINE WASTES - OTHER METALS

21 6 of 11 N/80.2 66.9 / -2.41 Loblaw #1095

64 Isabella St. Ottawa ON K1S 1V4

Ollawa ON K13 1

Generator No.: ON5506049 PO Box No.:

Status:Country:CanadaApproval Years:2016Choice of Contact:CO_OFFICIAL

Contam. Facility:NoCo Admin:MHSW Facility:NoPhone No. Admin:

SIC Code: 445110
SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES

Map Key Number of Direction/ Elev/Diff Site DB

--Details--

Waste Code: 146

Records

Waste Description: OTHER SPECIFIED INORGANICS

Distance (m)

(m)

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 242

Waste Description: HALOGENATED PESTICIDES

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 261

Waste Description: PHARMACEUTICALS

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 262

Waste Description: DETERGENTS/SOAPS

Waste Code: 122

Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 269

Waste Description: NON-HALOGENATED PESTICIDES

21 7 of 11 N/80.2 66.9 / -2.41 LOBLAWS SUPERMARKETS LTD.

64 ISABELLA STREET

OTTAWA ON

Generator No.: ON2922783 PO Box No.: Status: Country:

Status:Country:Approval Years:2012Choice of Contact:Contam. Facility:Co Admin:MHSW Facility:Phone No. Admin:

SIC Code: 445110

SIC Description: Supermarkets and Other Grocery (except Convenience) Stores

21 8 of 11 N/80.2 66.9 / -2.41 LOBLAWS INC. STORE #1095

64 ISABELLA ST OTTAWA ON K1S1V4

Licence No: 08606 Operator Box:

PES

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Detail Licence Licence Type Licence Clas. Licence Cont Trade Name: Post Office B Lot: Concession: Region: District: County:	e Code: e: s: trol:	23 Active Limited 01 0	l Vendors		Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Oper Phone Area Cd: Ext: Oper Phone No: Proponent Ext:	4 15 613 2324128	
<u>21</u>	9 of 11	N	/80.2	66.9 / -2.41	LOBLAWS SUPERM 64 ISABELLA ST OTTAWA	ARKETS LTD. #1095 ON K1S 1V4	PES
Licence No: Detail Licence Licence Type Licence Clas. Licence Cont Trade Name: Post Office B Lot: Concession: Region: District: County:	e Code: e: s: trol:	23 Limited Vende	or		Operator Box: Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Oper Phone Area Cd: Ext: Oper Phone No: Proponent Ext:		
21	10 of 11	N	/80.2	66.9 / -2.41	LOBLAWS SUPERM 64 ISABELLA ST OTTAWA	ARKETS LTD. #1095 ON K1S 1V4	PES
Licence No: Detail Licence Type Licence Type Licence Clas Licence Cont Trade Name: Post Office B Lot: Concession: Region: District: County:	e Code: e: s: trol:	Vendor			Operator Box: Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Oper Phone Area Cd: Ext: Oper Phone No: Proponent Ext:		
<u>21</u>	11 of 11	N	80.2	66.9 / -2.41	LOBLAWS LIMITED STORE #095-3 64 ISABELLA STREI OTTAWA ON K1S 1\		PES
Licence No: Detail Licenc Licence Type Licence Type Licence Clas. Licence Cont	e Code: e: s:	Vendor			Operator Box: Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession:		

Order No: 20180911009

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Operator Region: Trade Name: Post Office Box: Operator District: Lot: **Operator County:**

Concession: Oper Phone Area Cd: Region: Ext: Oper Phone No: District: County: Proponent Ext:

66.9 / -2.41 **22** 1 of 1 N/82.4 **WWIS** Ottawa ON

Well ID: 7142130

Construction Date:

Monitoring and Test Hole Primary Water Use:

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type:

Casing Material:

Audit No: Z100125 A091019 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock:

Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

Data Entry Status:

Data Src:

3/24/2010 Date Received: Selected Flag: Yes Abandonment Rec:

Contractor: 7241 Form Version:

Owner: Street Name: 64 ISABELLA ST. County: **OTTAWA-CARLETON OTTAWA CITY** Municipality:

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Bore Hole Information

1002952993 66.41 Bore Hole ID: Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 446355 Code OB Desc: Org CS: UTM83 Open Hole:

24-JAN-10 Date Completed:

Remarks: Elevrc Desc:

Cluster Kind:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1003158222

Layer: Color: 6 **BROWN** General Color: Mat1: 28 Most Common Material: SAND Mat2: 11 **GRAVEL** Other Materials:

Mat3: 73

5028836 North83: **UTMRC**:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20180911009

Location Method:

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

Other Materials:HARDFormation Top Depth:0Formation End Depth:1.83Formation End Depth UOM:m

Formation ID: 1003158224

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:85Other Materials:SOFTFormation Top Depth:3.66Formation End Depth:5.79Formation End Depth UOM:m

Formation ID: 1003158223

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:85Other Materials:SOFTFormation Top Depth:1.83Formation End Depth:3.66Formation End Depth UOM:m

Annular Space/Abandonment

Sealing Record

Plug ID: 1003158226

 Layer:
 1

 Plug From:
 0

 Plug To:
 .31

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003158232

Method Construction Code: D

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1003158221

Casing No: 0

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003158228

Layer: 1 Material: 5

	mber of ords	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Open Hole or Mater Depth From: Depth To: Casing Diameter: Casing Diameter UC Casing Depth UOM	ΟМ:	PLASTIC 0 2.74 3.45 cm m				
Construction Reco	rd - Screen					
Screen ID: Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM Screen Diameter UC Screen Diameter:		1003158229 1 10 2.74 5.79 5 m cm 4.21				
Water Details						
Water ID: Layer: Kind Code: Kind:		1003158227				
Water Found Depth Water Found Depth		m				
<u>Hole Diameter</u>						
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM	1:	1003158225 8.25 0 5.79 m cm				
23 1 of 1		W/87.2	69.8 / 0.52	ON		BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy: Elev. Reliability Not Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use:	f e:: 7.9 7.9 APR-196	61		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PR Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028722 66.8 66.5	
Details Stratum ID: Bottom Depth(m):	2183941 1.5	31		Top Depth(m): Stratum Desc:	0.0 ARTIFICIAL.	
Stratum ID: Bottom Depth(m):	2183941 4.6	32		Top Depth(m): Stratum Desc:	1.5 CLAY. GREY,STIFF,FISSURED.	
Stratum ID: Bottom Depth(m):	2183941 7.9	33		Top Depth(m): Stratum Desc:	4.6 CLAY. GREY,STIFF. 00000 021 00150 067	00050 062

Order No: 20180911009

Records

Distance (m) (m)

0000000800050005GREY,STIFF,FISSURE

NNE/90.8 24 1 of 1 65.1 / -4.19 **WWIS** Ottawa ON

Well ID: 7142129

Construction Date:

Primary Water Use: Monitoring and Test Hole

Sec. Water Use:

Final Well Status: Monitoring and Test Hole

Water Type: Casing Material:

Audit No: Z100124 A091018 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate:

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

Data Entry Status:

Data Src:

Date Received: 3/24/2010 Selected Flag: Yes

Abandonment Rec:

Contractor: 7241 Form Version:

Owner:

64 ISABELLA ST. Street Name: OTTAWA-CARLETON County: Municipality: **OTTAWA CITY**

Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002952991

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 24-FEB-10

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: 65.64

Elevrc:

Zone: 18 East83: 446393 Org CS: UTM83 North83: 5028837

UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20180911009

Location Method: wwr

Overburden and Bedrock

Materials Interval

1003158204 Formation ID:

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: **CLAY**

Mat2:

Other Materials:

Mat3: 85 SOFT Other Materials: Formation Top Depth: 1.83 Formation End Depth: 3.1 Formation End Depth UOM: m

1003158203 Formation ID:

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

Layer: Color: 6 **BROWN** General Color: 28 Mat1: Most Common Material: SAND Mat2: 11 Other Materials: **GRAVEL** Mat3: 85 Other Materials: SOFT Formation Top Depth: Formation End Depth: 1.83 Formation End Depth UOM:

Formation ID: 1003158205

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:85Other Materials:SOFTFormation Top Depth:3.1Formation End Depth:4.88Formation End Depth UOM:m

Annular Space/Abandonment

Sealing Record

Plug ID: 1003158209

 Layer:
 3

 Plug From:
 1.5

 Plug To:
 4.88

 Plug Depth UOM:
 m

Plug ID: 1003158208

 Layer:
 2

 Plug From:
 .31

 Plug To:
 1.5

 Plug Depth UOM:
 m

Plug ID: 1003158207

 Layer:
 1

 Plug From:
 0

 Plug To:
 .31

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003158215

Method Construction Code:

Method Construction: Direct Push

Other Method Construction:

Pipe Information

Pipe ID: 1003158202

Casing No: 0

Comment: Alt Name: Map Key Number of Direction/ Elev/Diff Site DB
Records Distance (m) (m)

Construction Record - Casing

Casing ID: 1003158211

Layer: 1
Material: 5

Open Hole or Material: PLASTIC
Depth From: 0

Depth To: 1.83
Casing Diameter: 3.45
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003158212

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 1.83

 Screen End Depth:
 4.88

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

Water Details

Screen Diameter:

Water ID: 1003158210

4.21

m

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM:

Hole Diameter

 Hole ID:
 1003158206

 Diameter:
 8.25

 Depth From:
 0

 Depth To:
 4.88

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

25 1 of 1 ENE/94.9 67.6 / -1.72 214 Queen Elizabeth Drive, Ottawa ON

Incident ID:

Incident No: 807864

Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est

Fuel Occurrence Tp:

Fuel Type:

Tank Status:RC EstablishedTask No:3831489

Spills Action Centre:

Method Details: E-mail
Fuel Category: Natural Gas

Date of Occurrence:

Occurrence Start 2012/05/14

Date:

Operation Type: Pipeline Type: Regulator Type: Health Impact: Environment Impact: Property Damage:

Property Damage: Yes Service Interupt:

Enforce Policy: Yes Public Relation:

Pipeline System: Depth: Pipe Material: PSIG:

Attribute Category: FS-Perform P-line Inc Invest

Regualtor Location:

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

214 Queen Elizabeth Drive, Ottawa - 1/2" Pipeline Hit Summary:

Reported By: Affiliation: Occurrence Desc: Jeff.Stiles@enbridge.com

Damage Reason:

No notification made to the one call center

Notes:

NE/96.5 1 of 1 66.5 / -2.80 26 **BORE** ON

Borehole ID: 805667 Borehole Type:

Geotechnical/Geological Investigation Use: Status::

Hollow stem auger Drill Method:: UTM Zone:: 18

5028808.18 Easting:: 446436.51 Northing:: Location Accuracy:: -999.9 Orig. Ground Elev m:: Elev. Reliability Note:: **DEM Ground Elev m::** 65.9 Total Depth m:: 4.3 Primary Name:: BH.1

Township:: Concession:: Lot:: Municipality:

Completion Date:: 11-JAN-1988 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218585688 Top Depth(m): 0.0 Bottom Depth(m): Stratum Desc: Asphalt 0.2

218585689 Stratum ID: Top Depth(m): 0.2

Bottom Depth(m): 0.2 Stratum Desc: Grey Fill-Misc Sand - Gravel

Stratum ID: 218585690 Top Depth(m): 0.2 Stratum Desc: Concrete Bottom Depth(m): 0.4

Stratum ID: 218585691 Top Depth(m):

Bottom Depth(m): 2.9 Stratum Desc: Grey-Brown Compact to Very Loose Fill-Misc

Silt - Sand With: Gr W Brk Frag W Constr

GEN

Order No: 20180911009

Debris

Stratum ID: 218585692 Top Depth(m):

Brown Very Loose Alluvium sand silt With: Stratum Desc: Bottom Depth(m): 3.0

Constr Debris

Stratum ID: 218585693 Top Depth(m):

Bottom Depth(m): 4.3 Stratum Desc: Grey Firm to Stiff Silty Clay

27 1 of 1 NNE/103.2 65.2 / -4.03 **GOLDER ASSOCIATES**

5 Pretoria Avenue

Ottawa ON

Generator No.: ON3452647 PO Box No.:

Status: Country: Approval Years: 2012 Choice of Contact: Co Admin: Contam. Facility: MHSW Facility: Phone No. Admin:

SIC Code: 236210

Industrial Building and Structure Construction SIC Description:

NW/106.2 69.6 / 0.38 28 1 of 1 **BORE**

ON

Borehole ID: 847458 Type: Borehole

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

Decommissioned

Geotechnical/Geological Investigation Use: Status::

Drill Method:: Hand auger UTM Zone:: 18 5028832 Easting:: 446278 Northing:: 67.4 Location Accuracy:: Orig. Ground Elev m:: 70

Elev. Reliability Note:: DEM Ground Elev m:: 1.4 Primary Name:: Total Depth m::

Township:: **NEPEAN** Concession:: **BROKEN FRONT C**

LOT F Municipality: Lot:: Completion Date:: 11-JUL-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

6557607 Stratum ID: Top Depth(m): 0.0

Bottom Depth(m): 0.5 Stratum Desc: FILL CINDER SAND GRAVEL

Stratum ID: 6557608 Top Depth(m):

FILL MOSTLY SAND Bottom Depth(m): Stratum Desc: 1.1

6557609 Stratum ID: Top Depth(m):

Bottom Depth(m): 1.4 Stratum Desc: ORGANIC MATERIAL AND SILTY CLAY

29 1 of 1 NNW/109.5 69.9 / 0.61 **BORE** ON

Borehole ID: 847463 **Borehole** Type:

Use: Geotechnical/Geological Investigation Status:: Decommissioned

Drill Method:: UTM Zone:: Hand auger 18 Northing:: 5028852 Easting:: 446310 Orig. Ground Elev m:: 67.8

Location Accuracy:: DEM Ground Elev m:: Elev. Reliability Note:: 70.6 Total Depth m:: 2.7 Primary Name::

Township:: **NEPEAN** Concession:: BROKEN FRONT C Lot:: LOT F Municipality:

Completion Date:: 13-JUL-1961 Static Water Level:: -999.9

Sec. Water Use:: Primary Water Use::

--Details--

Stratum ID: 6557624 Top Depth(m): 0.0

Bottom Depth(m): 0.6 Stratum Desc: FILL CINDERS SAND AND GRAVEL

Stratum ID: 6557625 Top Depth(m):

Bottom Depth(m): 0.9 Stratum Desc: FILL MOSTLY SAND AND SOME GRAVEL

Stratum ID: 6557626 Top Depth(m):

Bottom Depth(m): Stratum Desc: FILL SAND, GRAVEL, CLAY AND SILT 1.4

6557627 Stratum ID: Top Depth(m):

FILL, SILTY CLAY Bottom Depth(m): 1.7 Stratum Desc:

Stratum ID: 6557628 Top Depth(m):

FILL MIXTURE SAND SILT AND CLAY Bottom Depth(m): 2.4 Stratum Desc:

480 Metcalfe Street And 100 Isabella Street

EHS

Order No: 20180911009

Stratum ID: 6557629 Top Depth(m): 2.4 Bottom Depth(m): 2.7 Stratum Desc: CLAY

70.2 / 0.92 Ottawa ON

W/123.2

424010 01-SEP-15 Order ID: Date Received:

Order No: 20150901005 Lot/Building Size: Customer ID: 135488 Municipality:

30

1 of 1

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

77 ON Company ID: Client Prov/State: Status: С Search Radius (km): .25 4CAN Report Code: Large Radius: .3 Report Type: **Custom Report** -75.68736 X:

Pinchin Ltd Report Requested by:

04-SEP-15

Nearest Intersection: Previous Site Name: Additional Info Ordered:

Report Date:

1 of 1 N/124.0 67.5 / -1.73 31 **BORE** ON

Y:

45.410284

847459 Borehole ID: Type: Borehole

Geotechnical/Geological Investigation Status:: Decommissioned Use:

Drill Method:: Hand auger UTM Zone:: 18 5028877 Easting:: 446348 Northing:: Location Accuracy:: Orig. Ground Elev m:: 67.3 Elev. Reliability Note:: **DEM Ground Elev m::** 71.7

Total Depth m:: 1.6 Primary Name::

Township:: **NEPEAN** Concession:: **BROKEN FRONT C**

LOT F Municipality: Lot::

Completion Date:: 11-JUL-1961 Static Water Level:: -999.9 Sec. Water Use::

Primary Water Use::

--Details--

6557611 Stratum ID: Top Depth(m): 0.0

Stratum Desc: Bottom Depth(m): 0.3 FILL CINDERS SAND AND GRAVEL

Stratum ID: 6557612 Top Depth(m): 0.3

Stratum Desc: FILL GRAVEL AND SAND Bottom Depth(m): 0.5

Stratum ID: 6557613 Top Depth(m):

Bottom Depth(m): 0.6 Stratum Desc: ORGANIC MATERIAL

6557614 Stratum ID: Top Depth(m):

Bottom Depth(m): 1.6 Stratum Desc: FINE SILTY SAND AND CLAY

32 1 of 1 NNW/127.8 69.9 / 0.61 **BORE** ON

Borehole ID: 847468 Type:

Borehole Geotechnical/Geological Investigation Decommissioned Use: Status::

Drill Method:: Power auger UTM Zone:: 18 Easting:: 446284 Northing:: 5028859

Orig. Ground Elev m:: 68.1 Location Accuracy:: Elev. Reliability Note:: DEM Ground Elev m:: 73.3 Total Depth m:: 1.5 Primary Name::

Township:: **NEPEAN** Concession::

BROKEN FRONT C Lot:: LOT F Municipality:

Static Water Level:: Completion Date:: 15-AUG-1961 -999.9 Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 6557643 Top Depth(m):

FILL SAND WITH A LITTLE GRAVEL AND A Bottom Depth(m): Stratum Desc: 0.6

FEW LAYERS OF CINDERS

Order No: 20180911009

Stratum ID: 6557644 Top Depth(m):

FILL CLAY, SAND, SILT AND ORGANIC Bottom Depth(m): 0.9 Stratum Desc:

MATERIAL

Map Key Number of Direction/ Elev/Diff Site DΒ

Records Distance (m) (m)

Stratum ID: 6557645 Top Depth(m): 0.9

CLAY AND SILT Bottom Depth(m): 1.2 Stratum Desc:

Stratum ID: 6557646 Top Depth(m): 1.2 CLAY Stratum Desc: Bottom Depth(m): 1.5

NNW/130.1 69.6 / 0.37 1 of 1 33 **BORE** ON

Borehole ID: 847469 Borehole Type:

Geotechnical/Geological Investigation Decommissioned Use: Status::

Drill Method:: UTM Zone:: Power auger 18 5028877 Easting:: 446316 Northing:: Location Accuracy:: Orig. Ground Elev m:: 68 73.2

Elev. Reliability Note:: **DEM Ground Elev m::** Total Depth m:: 2.1 Primary Name::

Township:: **NEPEAN** Concession:: **BROKEN FRONT C** Lot:: LOT F Municipality:

15-AUG-1961 Completion Date:: Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 6557647 Top Depth(m): Bottom Depth(m): Stratum Desc: FILL SAND WITH A LITTLE GRAVEL AND A 0.8

FEW CINDER LAYERS

Stratum ID: 6557648 Top Depth(m):

FILL SILTY SAND WITH A LITTLE CLAY Bottom Depth(m): 1.4 Stratum Desc:

Stratum ID: 6557649 Top Depth(m):

Bottom Depth(m): 1.5 Stratum Desc: ORGANIC MATERIAL

Stratum ID: 6557650 Top Depth(m): 1.5

CLAYEY SILT Bottom Depth(m): 2.1 Stratum Desc:

1 of 1 WNW/130.8 69.8 / 0.54 34

ON

BORE

Order No: 20180911009

Borehole ID: 847456 Type: Borehole

Decommissioned Use: Geotechnical/Geological Investigation Status::

Drill Method:: Hand auger UTM Zone:: 18 446224 Northing:: 5028810 Easting:: Location Accuracy:: Orig. Ground Elev m:: 67.2 Elev. Reliability Note:: DEM Ground Elev m:: 71.5

Total Depth m:: 1.2 Primary Name:: Township:: **NEPEAN** Concession:: BROKEN FRONT C

LOT F Municipality: Lot::

Completion Date:: 10-JUL-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

Stratum ID: 6557600 Top Depth(m): 0.0

Stratum Desc: FILL CINDERS SAND GRAVEL Bottom Depth(m): 0.3

6557601 Stratum ID: Top Depth(m):

Bottom Depth(m): Stratum Desc: FILL SILTY SAND CINDERS AND GRAVEL 0.6

Stratum ID: 6557602 Top Depth(m):

FILL SILTY SAND Bottom Depth(m): 1.0 Stratum Desc:

--Details--

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 6557603 Stratum ID: Top Depth(m): 1.0 Bottom Depth(m): 1.2 Stratum Desc: ORGANIC MATERIAL AND CLAY FRONTIER, (OUT OF BUS) **35** 1 of 3 W/134.0 71.1 / 1.79 48-024 **GEN** 92 ISABELLA STREET OTTAWA ON K1S 1V5 Generator No.: ONC000509 PO Box No.: Status: Country: Approval Years: 92,93,95,96,97,98 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin: SIC Code: 5622 PLUMBING, ETC., WH. SIC Description: --Details--Waste Code: 241 HALOGENATED SOLVENTS Waste Description: Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS Waste Code: 331 WASTE COMPRESSED GASES Waste Description: **35** 2 of 3 W/134.0 71.1 / 1.79 FRONTIER, DIV. OF WESTBURNE 48-024 **GEN** 92 ISABELLA STREET OTTAWA ON K1S 1V5 ONC000509 Generator No.: PO Box No.: Status: Country: Approval Years: 94 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin: SIC Code: 5622 SIC Description: PLUMBING, ETC., WH. --Details--Waste Code: 241 Waste Description: HALOGENATED SOLVENTS Waste Code: 252 Waste Description: **WASTE OILS & LUBRICANTS** Waste Code: 331 WASTE COMPRESSED GASES Waste Description: W/134.0 71.1 / 1.79 FRONTIER, DIV. OF WESTBURNE 35 3 of 3 **GEN** INDUSTRIAL ENTERPRISES LTD. 92 ISABELLA STREET OTTAWA ON K1S 1V5 Generator No.: ONC000509 PO Box No.:

Co Admin:

Phone No. Admin:

Order No: 20180911009

Country: Choice of Contact:

90 Approval Years: Contam. Facility: MHSW Facility:

5622 SIC Code:

SIC Description: PLUMBING, ETC., WH.

erisinfo.com | Environmental Risk Information Services

Status:

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

Records

--Details--Waste Code: 241

Waste Description: HALOGENATED SOLVENTS

331 Waste Code:

WASTE COMPRESSED GASES Waste Description:

1 of 2 NW/135.8 69.9 / 0.61 **DRAIN-ALL LTD** 36

HWY 417 EAST, AT METCALFE TRANSPORT

SPL

Order No: 20180911009

TRUCK (CARGO) OTTAWA CITY ON

Site Map Datum:

Ref No: 99198 Discharger Report: Site No: Material Group: Incident Dt: 4/27/1994 Client Type:

Sector Type: Year: OTHER TRANSPORTATION ACCIDENT Source Type: Incident Cause:

Incident Event: Nearest Watercourse: Contaminant Code: Site Name: Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Site Region: Contaminant Qty:

Environment Impact: NOT ANTICIPATED Site Municipality: 20101

Nature of Impact: Site Lot: Site Conc: Receiving Medium: LAND Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: **Dt Document Closed:** Agency Involved:

SAC Action Class:

Incident Reason: **ERROR**

4/27/1994

Incident Summary: DRAIN-ALL VAN - 23 L GAS-OLINE TO HWY, CONTAINED ERP CALLED FOR E.G. #

2 of 2 NW/135.8 69.9 / 0.61 Highway 417 @ Metcalfe St. 36 SPL Ottawa ON

8030-7TQ6U8 Ref No: Discharger Report: Material Group: Site No: Incident Dt: Client Type:

Sector Type: Year: Incident Cause: Source Type: Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Highway 417 @ Metcalfe St.<UNOFFICIAL>

Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Site Region: Contaminant Qty:

Environment Impact: Site Municipality: Ottawa

Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: No Field Response Site Geo Ref Accu: Site Geo Ref Meth: Dt MOE Arvl on Scn:

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

7/6/2009 MOE Reported Dt:

Dt Document Closed: Agency Involved: SAC Action Class:

Highway Spills (usually highway accidents)

Incident Reason: Incident Summary:

TT accident: Hwy 417, dsl spill to roadway, drain

NW/141.4 1 of 1 70.1 / 0.81 37 **BORE** ON

Borehole ID: 847399 Borehole Type:

Geotechnical/Geological Investigation Status:: Decommissioned Use: Drill Method:: Diamond Drill UTM Zone:: 18 5028829 Easting:: 446224 Northing:: Location Accuracy:: Orig. Ground Elev m:: 68.2

Elev. Reliability Note::

36.1 Total Depth m::

NEPEAN Township:: Lot:: LOT F

Completion Date:: 07-DEC-1959

Primary Water Use::

Primary Name:: Concession:: **BROKEN FRONT C**

Municipality: Static Water Level::

Sec. Water Use::

DEM Ground Elev m::

73.5

6.4

Site Map Datum:

--Details--Stratum ID: 6557296

Top Depth(m): 0.0 Bottom Depth(m): Stratum Desc: FILL 1.5

6557297 Stratum ID: Top Depth(m): 1.5 Bottom Depth(m): 1.7 Stratum Desc:

FINE SAND VERY LOOSE

Stratum ID: 6557298 Top Depth(m): 1.7

Stratum Desc: CLAYEY SILT BROWNISH GREY FISSURED, Bottom Depth(m): 3.0

VERY STIFF, HIGH PLASTICITY (MH)

Stratum ID: 6557299 Top Depth(m): 3.0

CLAY, BROWNISH GREY FISSURED STIFF Bottom Depth(m): 4.6 Stratum Desc:

HIGH PLASTICITY (CH)

Stratum ID: 6557300 Top Depth(m):

Stratum Desc: CLAY GREY STIFF HIGH PLASTICITY (CH) Bottom Depth(m): 12.2

6557301 Stratum ID: Top Depth(m):

15.2 Stratum Desc: SILT WITH SOME CLAY AND A LITTLE FINE Bottom Depth(m):

SAND, GREY MEDIUM SOFT, LOW

PLASTICITY (ML)

Top Depth(m): Stratum Desc: CLAY, GREY, MEDIUM SOFT LOW Bottom Depth(m): 18.7

PLASTICITY (CL)

Stratum ID: 6557303 Top Depth(m):

SILT AND CLAY IN 1/2in. LAYERS, GREY Bottom Depth(m): 20.7 Stratum Desc:

MEDIUM SOFT (ML&CL IN LAYERS)

Stratum ID: 6557304 Top Depth(m): 20.7

Bottom Depth(m): SANDY SILT WITH SOME CLAY, LOW 24.4 Stratum Desc:

PLASTICITY, VERY LOOSE (ML)

6557305 Stratum ID: Top Depth(m):

SILT WITH SOME FINE SAND AND A TRACE Stratum Desc: Bottom Depth(m): 30.2

OF COARSE SAND MEDIUM DENSE

Order No: 20180911009

6557306 Top Depth(m): 30.2 Stratum ID:

Bottom Depth(m): 30.8 Stratum Desc: TILL, LOOSE

6557302

Stratum ID:

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Stratum ID: Bottom Depti	h(m):	6557307 31.8			Top Depth(m): Stratum Desc:	30.8 TILL, MEDIUM DENSE	
Stratum ID: Bottom Depti	h(m):	6557308 33.5			Top Depth(m): Stratum Desc:	31.8 SHALE, CORE RECOVERY INDEF GREATER THAN 59%	INITE BUT
Stratum ID: Bottom Depti	h(m):	6557309 34.5			Top Depth(m): Stratum Desc:	33.5 SHALE, CORE RECOVERY 90%	
Stratum ID: Bottom Depti	h(m):	6557310 36.1			Top Depth(m): Stratum Desc:	34.5 SHALE, CORE RECOVERY 93%	
38	1 of 1		NW/145.7	69.9 / 0.61	ON		BORE
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabil Total Depth n Township:: Lot:: Completion Deprimary Wate	curacy:: lity Note:: n:: Date::	847462 Geotechnic Hand auge 446261 1.1 NEPEAN LOT F 12-JUL-196		stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole Decommissioned 18 5028867 68.2 73.3 BROKEN FRONT C	
Details Stratum ID: Bottom Depti	h(m):	6557621 0.5			Top Depth(m): Stratum Desc:	0.0 FILL SAND GRAVEL CINDERS	
Stratum ID: Bottom Depti	h(m):	6557622 0.8			Top Depth(m): Stratum Desc:	0.5 FILL SAND AND SILT	
Stratum ID: Bottom Depti	h(m):	6557623 1.1			Top Depth(m): Stratum Desc:	0.8 CLAY	
39	1 of 1		NNW/146.2	70.2 / 0.92	ON		BORE
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabil Total Depth n Township:: Lot:: Completion L Primary Wate	curacy:: lity Note:: n::	847464 Geotechnic Hand auge 446292 1.3 NEPEAN LOT F 12-JUL-19		stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole Decommissioned 18 5028885 68.2 73.2 BROKEN FRONT C	
<u>Details</u> Stratum ID: Bottom Depti	h(m):	6557630 0.3			Top Depth(m): Stratum Desc:	0.0 FILL, SAND GRAVEL CINDERS	
Stratum ID: Bottom Depti	h(m):	6557631 0.6			Top Depth(m): Stratum Desc:	0.3 FILL SAND AND GRAVEL	
Stratum ID:		6557632			Top Depth(m):	0.6	

Order No: 20180911009

Map Key Numbe Record		Elev/Diff (m)	Site	DB
Bottom Depth(m):	0.7		Stratum Desc:	SILTY CLAY FILL
Stratum ID: Bottom Depth(m):	6557633 1.0		Top Depth(m): Stratum Desc:	0.7 ORGANIC MATERIAL
Stratum ID: Bottom Depth(m):	6557634 1.3		Top Depth(m): Stratum Desc:	1.0 SILTY SAND AND CLAY
40 1 of 1	NNE/147.2	65.5 / -3.73	ON	BORE
Borehole ID: Use: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	847430 Geotechnical/Geological Inve Diamond Drill 446394 43.1 NEPEAN LOT F 02-MAR-1961	stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole Decommissioned 18 5028896 67.6 70.8 BROKEN FRONT C
<u>Details</u> Stratum ID: Bottom Depth(m):	6557485 1.5		Top Depth(m): Stratum Desc:	0.0 LOOSE TO COMPACT FILL SANDY TOPSOIL
Stratum ID: Bottom Depth(m):	6557486 11.3		Top Depth(m): Stratum Desc:	1.5 STIFF GREY CLAY SOME SILT TRACE FINE SAND
Stratum ID: Bottom Depth(m):	6557487 20.9		Top Depth(m): Stratum Desc:	11.3 STIFF GREY SILTY CLAY, SOME FINE SAND OCCASIONAL POCKETS OF ORGANIC MATERIAL
Stratum ID: Bottom Depth(m):	6557488 39.6		Top Depth(m): Stratum Desc:	20.9 COMPACT TO DENSE GREY SILT SOME FINE SAND TRACE CLAY
Stratum ID: Bottom Depth(m):	6557489 40.7		Top Depth(m): Stratum Desc:	39.6 VERY DENSE BROWN SANDY TILL
Stratum ID: Bottom Depth(m):	6557490 43.1		Top Depth(m): Stratum Desc:	40.7 DARK GREY SHALE BEDROCK
41 1 of 1	NNE/147.8	64.4/-4.83	City of Ottawa Elgin St Isabella Stree Ottawa ON K2G 6J8	t ECA
Approval No: Approval Date: Status: Record Type: Link Source: Approval Type:	6595-99MKMF 2013-08-29 Approved ECA IDS	NID DDIVATE SE	SWP Area Name: MOE District: City: Longitude: Latitude:	Ottawa

ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type:

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: Elgin St Isabella Street

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1213-978PNB-14.pdf

Order No: 20180911009

1 of 4 W/148.2 71.1 / 1.79 The Palisades Club Inc. 42 100 Isabella Street Ottawa ON

4569-6ERK3T Certificate #: Application Year: 2005 7/29/2005 Issue Date:

Approval Type: Municipal and Private Sewage Works

Approved Status:

Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::**

> W/148.2 71.1 / 1.79 The Palisades Club Inc. 42 2 of 4 **ECA** 100 Isabella St

SWP Area Name: 4569-6ERK3T Approval No:

Approval Date: 2005-07-29 **MOE District:** Approved Status: City: Ottawa

Record Type: **ECA** Longitude: Link Source: IDS Latitude: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS

Approval Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type:

Address: 100 Isabella St

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7497-6DBKJZ-14.pdf

W/148.2 42 3 of 4 71.1 / 1.79 The Palisades Club Inc. **RSC** 100 ISABELLA ST, OTTAWA, ON, K1S 1V5

CA

Order No: 20180911009

Ottawa ON K1S 1V5

Ottawa ON M3B 3N2

Reg No: 1916 Cert Date: 31-Oct-05 No CPU RA No: Cert Prop Use No: RSC Type: Intended Prop Use: Residential

Curr Property Use: Residential Nm of Qual. Person:

Mr. Gary Maister District Office: **OTTAWA** Stratified (Y/N): Date Submitted: 22-Nov-05 Audit (Y/N):

Date Ack: Entire Leg Prop. (Y/N): Yes Date Returned: Accuracy Estimate: 0 to 1 meters Restoration Type: Telephone: 416-9151839 905-2483061 Soil Type: Fax: Criteria: Email: gary@rosecorp.com

CPU Issued Sect No

1686:

Asmt Roll No: 0614052-301

04123-0126LT (created Dec. 23/04 as division from 04123-0085), 04123-0084LT, 04123-0083LT, 04123-0082LT Prop. ID No:

Property Municipal Address: 100 ISABELLA ST, OTTAWA, ON, K1S 1V5

Suite 12, 156 DUNCAN MILL RD, TORONTO, ON, M3B 3N2 Mailing Address: Latitude & Latitude: 45.41002850N 75.68768350W (converted from UTM)

NAD83 18-446188-5028731 **UTM Coordinates:**

Consultant: Filing Owner:

Lots 33 to 38 (Both Inclusive) Registered Plan 35403 City of Ottawa Legal Desc:

Measurement Method: Global Positioning System

Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for

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

Residential/Parkland/Institutional property use

RSC PDF:

4 of 4 W/148.2 71.1 / 1.79 100 Isabella St **42 SPL** Ottawa ON K1S 1V5

Ref No: 4083-85K4UM Discharger Report:

Site No: Material Group: Incident Dt: Client Type: Sector Type: Year:

Incident Cause: Source Type: Incident Event: Nearest Watercourse:

Contaminant Code: 13 Site Name: Roadway<UNOFFICIAL> **DIESEL FUEL** Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region: Site Municipality: **Environment Impact:** Site Lot: Nature of Impact: Receiving Medium: Site Conc: Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response: No Field Response

Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: 5/17/2010 Site Map Datum:

Dt Document Closed: 6/10/2010 Agency Involved:

Land Spills SAC Action Class:

Incident Reason: Incident Summary: Diesel to road, CB from crane, cleaned

1 of 1 NNE/154.9 64.4 / -4.83 DRAIN-ALL LTD.

INTERSECTION OF ISABELLA AND ELGIN TANK

TRUCK (CARGO) **GLOUCESTER CITY ON** **SPL**

Order No: 20180911009

Ref No: 156676 Discharger Report:

Site No: Material Group: Incident Dt: 6/10/1998 Client Type: Sector Type: Year:

Incident Cause: OTHER CAUSE (N.O.S.) Source Type:

Nearest Watercourse: Incident Event:

Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office:

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

NOT ANTICIPATED Environment Impact: Site Municipality: 20105 Nature of Impact: Site Lot:

Receiving Medium: LAND Site Conc: Receiving Env: Northing: Health/Env Consea: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: 6/10/1998 Site Map Datum: Dt Document Closed: Agency Involved:

SAC Action Class: Incident Reason: **EQUIPMENT FAILURE**

Incident Summary: DRAIN-ALL: 8L WATER- BASED PAINT SPILLED TO ROAD.

43

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

44 1 of 1 WNW/156.4 70.5 / 1.27
ON
BORE

Borehole ID:847467Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

 Drill Method::
 Power auger
 UTM Zone::
 18

 Easting::
 446194
 Northing::
 5028810

 Location Accuracy::
 Orig. Ground Elev m::
 68.1

Location Accuracy:: 68.1

Elev. Reliability Note:: DEM Ground Elev m:: 73.9

Total Depth m:: 2.3

Primary Name::

Township::NEPEANConcession::BROKEN FRONT CLot::LOT FMunicipality:

Completion Date:: 15-AUG-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

<u>--Details--</u> **Stratum ID:** 6557639 **Top Depth(m):** 0.0

Bottom Depth(m): 0.8 Stratum Desc: FILL SAND WITH A LITTLE GRAVEL AND A

FEW LAYERS OF CINDERS

Stratum ID: 6557640 **Top Depth(m):** 0.8

Bottom Depth(m): 1.5 Stratum Desc: FILL SAND CLAY AND SILT

Stratum ID: 6557641 **Top Depth(m):** 1.5

Bottom Depth(m): 2.0 Stratum Desc: ORGANIC MATERIAL

 Stratum ID:
 6557642
 Top Depth(m):
 2.0

 Bottom Depth(m):
 2.3
 Stratum Desc:
 CLAY

45 1 of 1 WNW/160.4 70.5 / 1.27 ON BORE

Borehole ID:847452Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

Drill Method::Hand augerUTM Zone::18Easting::446183Northing::5028791Location Accuracy::Orig. Ground Elev m::67.1

Location Accuracy:: 67.1

Elev. Reliability Note:: DEM Ground Elev m:: 72.5

Total Depth m:: 1.5

Primary Name::

Township::NEPEANConcession::BROKEN FRONT CLot::LOT FMunicipality:

Completion Date:: 06-JUL-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 6557582 Top Depth(m):

Bottom Depth(m): 0.8 Stratum Desc: ORGANIC MATERIAL

Stratum ID: 6557583 **Top Depth(m):** 0.8

Bottom Depth(m): 0.9 Stratum Desc: CLAY AND SILT MIXTURE

Stratum ID: 6557581 **Top Depth(m):** 0.0

Bottom Depth(m): 0.3 Stratum Desc: FILL SAND CINDERS GRAVEL

46 1 of 1 NW/161.1 70.1 / 0.81 ON BORE

Borehole ID: 847453 Type: Borehole

Use: Geotechnical/Geological Investigation Status:: Decommissioned

 Drill Method::
 Hand auger
 UTM Zone::
 18

 Easting::
 446207
 Northing::
 5028840

 Location Accuracy::
 Orig. Ground Elev m::
 68.2

 Elev. Reliability Note::
 DEM Ground Elev m::
 73.1

Elev. Reliability Note::

Total Depth m::

1.5

DEM Ground Elev m::
Primary Name::

Township::NEPEANConcession::BROKEN FRONT CLot::LOT FMunicipality:

Completion Date:: 06-JUL-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 6557587 **Top Depth(m):** 0.0

Bottom Depth(m): 0.5 Stratum Desc: FILL CINDERS GRAVEL SAND

 Stratum ID:
 6557588
 Top Depth(m):
 0.5

Bottom Depth(m): 0.6 Stratum Desc: SANDY FILL

Stratum ID: 6557589 **Top Depth(m):** 0.6

Bottom Depth(m): 0.9 Stratum Desc: CLAYEY FILL

Stratum ID: 6557590 **Top Depth(m):** 0.9

Bottom Depth(m): 1.4 Stratum Desc: TOPSOIL WITH ORGANIC MATERIAL

Stratum ID: 6557591 **Top Depth(m):** 1.4

Bottom Depth(m): 1.5 Stratum Desc: SILTY CLAY

47 1 of 1 N/166.1 69.8 / 0.57
ON
BORE

Borehole ID: 847460 Type: Borehole

Use:Geotechnical/Geological InvestigationStatus::DecommissionedDrill Method::Hand augerUTM Zone::18

Easting::446328Northing::5028917Location Accuracy::Orig. Ground Elev m::68.1Elev. Reliability Note::DEM Ground Elev m::71.7Total Depth m::1.3Primary Name::

Township::NEPEANConcession::BROKEN FRONT CLot::LOT FMunicipality:

Completion Date:: 12-JUL-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

 Stratum ID:
 6557615
 Top Depth(m):
 0.0

Bottom Depth(m): 0.5 Stratum Desc: FILL SAND, CINDERS AND GRAVEL

 Stratum ID:
 6557617
 Top Depth(m):
 1.2

 Bottom Depth(m):
 1.3
 Stratum Desc:
 CLAY

Stratum ID: 6557616 **Top Depth(m):** 0.5

Bottom Depth(m): 1.2 Stratum Desc: FILL GRAVEL SAND SOME CLAY

48 1 of 1 NW/174.8 71.0 / 1.69
ON
BORE

Order No: 20180911009

Borehole ID: 613220 Type: Borehole

Use: Status::

 Drill Method::
 UTM Zone::
 18

 Easting::
 446231
 Northing::
 5028882

 Location Accuracy::
 Orig. Ground Elev m::
 71

Location Accuracy:: 71

Elev. Reliability Note:: DEM Ground Elev m:: 68.5

Map Key Number of Direction/ Elev/Diff Site DB

Total Depth m:: -999 Primary Name::
Township:: Concession::

Distance (m)

Township:: Concession::
Lot:: Municipality:

Completion Date:: SEP-1933 Static Water Level:: -999.9

(m)

Primary Water Use:: Sec. Water Use::

<u>--Details--</u>

Stratum ID: 218394189 Top Depth(m):

Bottom Depth(m): Stratum Desc: SAND, SILT. LOOSE. ROCK. . CLAY.

BROWN,GREY,VERY

12.5

SOFT, FISSURED. CLAY. BROWN, GREY, STI

Order No: 20180911009

 Stratum ID:
 218394186
 Top Depth(m):
 0.0

 Bottom Depth(m):
 0.6
 Stratum Desc:
 FILL.

Stratum ID: 218394187 **Top Depth(m):** 0.6

Bottom Depth(m): 6.1 Stratum Desc: CLAY. GREY, COMPACT.

Stratum ID: 218394188 **Top Depth(m):** 6.1

Bottom Depth(m): 12.5 Stratum Desc: CLAY. BLUE,FIRM.

49 1 of 1 W/177.0 72.5 / 3.18 Sterling Marking Products Inc. SCT

Ottawa ON K1S 1V5

Established: 1942 Plant Size (ft²): Employment: 4

Records

--Details--

Description: Stationery and Office Supplies Wholesaler-Distributors

SIC/NAICS Code: 418210

Description: Chemical (except Agricultural) and Allied Product Wholesaler-Distributors

SIC/NAICS Code: 418410

Description: All Other Wholesaler-Distributors

SIC/NAICS Code: 418990

50 1 of 1 NNW/179.6 70.1 / 0.85 ON BORE

Borehole ID: 847461 Type: Borehole

Use:Geotechnical/Geological InvestigationStatus::DecommissionedDrill Method::Hand augerUTM Zone::18Easting::446267Northing::5028909

Location Accuracy:: 502890
Location Accuracy:: 68.2
Elev. Reliability Note:: DEM Ground Elev m:: 68.6
Total Depth m:: 1.5
Primary Name::

Township:: NEPEAN Concession:: BROKEN FRONT C

Lot:: LOT F Municipality:

Completion Date::12-JUL-1961Static Water Level::-999.9Primary Water Use::Sec. Water Use::

<u>--Details--</u> **Stratum ID:** 6557618 **Top Depth(m):** 0.0

Bottom Depth(m): 0.6 Stratum Desc: FILL SAND GRAVEL CINDERS

Stratum ID: 6557619 **Top Depth(m):** 0.6

Bottom Depth(m): 1.0 Stratum Desc: FILL SAND AND GRAVEL

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Stratum ID: 6557620 **Top Depth(m):** 1.0

Bottom Depth(m): 1.5 Stratum Desc: ORGANIC MATERIAL AND SILTY CLAY

51 1 of 1 ENE/180.0 55.7 / -13.55 ON

Borehole ID: 801007 Type:

Use: Geotechnical/Geological Investigation Status::

Drill Method:: Hollow stem auger UTM Zone:: 18

 Easting::
 446526.1
 Northing::
 5028819.01

 Location Accuracy::
 Orig. Ground Elev m::
 64.6

 Elev. Reliability Note::
 DEM Ground Elev m::
 63.3

Elev. Reliability Note::

Total Depth m::

5.6

DEM Ground Elev m::
64.0

63.3

Primary Name::

BH 3

Township:: Concession:: Lot:: Municipality:

Completion Date:: 17-JAN-1979 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

 Stratum ID:
 218566366
 Top Depth(m):
 0.0

 Bottom Depth(m):
 0.3
 Stratum Desc:
 Topsoil

Stratum ID: 218566367 **Top Depth(m):** 0.3

Bottom Depth(m): 1.9 Stratum Desc: Brown Very Loose Fill-Misc Silt - Sand With:

Org M Trace: Cl

Borehole

Stratum ID: 218566368 **Top Depth(m)**: 1.9

Bottom Depth(m): 5.2 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty

CI

Stratum ID: 218566369 **Top Depth(m)**: 5.2

Bottom Depth(m): 5.6 Stratum Desc: Grey Stiff Silty Clay

52 1 of 1 WNW/182.7 70.8 / 1.53
ON
BORE

Borehole ID:847457Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

Drill Method:: Hand auger UTM Zone:: 18
Easting:: 446169 Northing:: 5028818
Location Accuracy:: 0rig. Ground Elev m:: 68.3

Township::NEPEANConcession::BROKEN FROLot::LOT FMunicipality:

Completion Date:: 10-JUL-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 6557604 **Top Depth(m):** 0.0

Bottom Depth(m): 0.5 Stratum Desc: FILL CINDERS GRAVEL SAND

Stratum ID: 6557605 **Top Depth(m):** 0.5

Bottom Depth(m): 1.0 Stratum Desc: FILL SAND GRAVEL AND CLAY LAYERS

Stratum ID: 6557606 **Top Depth(m):** 1.0

Bottom Depth(m): 1.8 Stratum Desc: ORGANIC MATERIAL AND GREY CLAY

53 1 of 1 W/185.4 72.9 / 3.68 114 Isabella St Ottawa ON K1S1V5

Order ID: 244048 Date Received: 21-MAY-13 20130521010 3670 sq feet Order No: Lot/Building Size: **Customer ID:** 98527 Municipality: Ottawa 49465 Client Prov/State: ON Company ID: С Search Radius (km): .25 Status: 3CAN Report Code: Large Radius: 2

 Report Type:
 Standard Report
 X:
 -75.688143

 Report Date:
 29-MAY-13
 Y:
 45.409897

Report Requested by: Kollaard Associates Inc. **Nearest Intersection:**

Nearest Intersection: Previous Site Name: Additional Info Ordered:

54 1 of 1 WNW/186.0 71.8 / 2.58 ON BORE

Borehole ID:847466Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

| December | December

Elev. Reliability Note:: DEM Ground Elev m::
Total Depth m:: 1.5 Primary Name::

Township:: NEPEAN Concession:: BROKEN FRONT C

Lot::LOT FMunicipality:Completion Date::15-AUG-1961Static Water Level::-999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 6557637 **Top Depth(m):** 0.0

Bottom Depth(m): 1.2 Stratum Desc: FILL, SAND WITH SOME GRAVEL A FEW

LAYERS AND POCKET OF CINDERS AND A

Order No: 20180911009

CLAY POCKET

 Stratum ID:
 6557638
 Top Depth(m):
 1.2

 Bottom Depth(m):
 1.5
 Stratum Desc:
 CLAY

55 1 of 1 SSE/188.2 67.3 / -1.95 18 MONKLAND AVENUE OTTAWA ON K1S 1Y9

External File Num: FS INC 0707-03731

Pate of Occurrence: 7/4/2007

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:: No

Fuel Life Cycle Stage:: Transmission, Distribution and Transportation

Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:N/A

Training:N/A Management:Yes Human Factors:N/A

Reported Details::
Fuel Category::

Occurrence Type::

Incident

Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

County Name:: Ottawa

Approx. Quant. Rel:: Nearby body of water::

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

Enter Drainage Syst .:: Approx. Quant. Unit:: Environmental Impact::

> **56** 1 of 1 NE/188.7 60.9 / -8.39 **BORE** ON

Borehole ID: Type: Borehole

Use: Geotechnical/Geological Investigation Status::

Drill Method:: **Boring** UTM Zone:: 18 446504.86 5028870.9 Easting:: Northing::

Location Accuracy:: Orig. Ground Elev m:: 65.1 Elev. Reliability Note:: **DEM Ground Elev m::** 66.2 35.3 BH 4 Total Depth m:: Primary Name::

Township:: Concession:: Lot:: Municipality:

08-MAR-1977 Static Water Level:: Completion Date:: 6.3

Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 218568704 Top Depth(m):

Bottom Depth(m): Stratum Desc: Dark Brown Loose Fill-Misc sand silt Trace: Gr 1.6

Tr Org M

Stratum ID: 218568705 Top Depth(m): 1.6 Bottom Depth(m): 2.1 Stratum Desc: Brown Compact Silt - Sand

Stratum ID: 218568706 Top Depth(m):

Bottom Depth(m): 5.5 Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust

Silty Clay

Stratum ID: 218568707 Top Depth(m): 5.5

Bottom Depth(m): 8.2 Stratum Desc: Grey Stiff Silty Clay

Stratum ID: 218568708 Top Depth(m):

Bottom Depth(m): 12.8 Stratum Desc: Grey Stiff Silty Clay Trace: Org M

Stratum ID: 218568709 Top Depth(m):

Stratum Desc: Grey Stiff Silty Clay Bottom Depth(m): 17.2

218568710 Stratum ID: Top Depth(m):

30.5 Stratum Desc: Grey Loose to Dense sand silt With: CI Trace: Bottom Depth(m):

Order No: 20180911009

Stratum ID: 218568711 Top Depth(m):

Bottom Depth(m): Stratum Desc: Grey Till sand silt With: Gr W Cob 32.2

218568712 32.2 Stratum ID: Top Depth(m):

Stratum Desc: Black Bedrock Shale Bottom Depth(m): 35.3

1 of 1 N/190.5 66.1 / -3.16 57 **BORE** ON

Borehole ID: 847429 Type: Borehole

Geotechnical/Geological Investigation Status:: Use: Decommissioned Drill Method:: Diamond Drill UTM Zone::

446392 5028941 Northing:: Easting:: Orig. Ground Elev m:: Location Accuracy:: 67.8 Elev. Reliability Note:: DEM Ground Elev m:: 71.3

41.1 Total Depth m:: Primary Name::

Township:: **NEPEAN** Concession:: BROKEN FRONT C LOT F Lot::

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) Completion Date:: 02-MAR-1961 Static Water Level:: -999.9

Primary Water Use::

Sec. Water Use::

--Details--

Stratum ID: 6557480

Bottom Depth(m): 12.2 Top Depth(m): 0.0

Stratum Desc: STIFF BROWN TO GREY CLAY SOME SILT

TRACE FIN SAND

Stratum ID: 6557481

Bottom Depth(m): 21.0 Top Depth(m):

STIFF GREY SILTY CLAY SOME FINE SAND Stratum Desc:

OCCASIONAL POCKETS OF ORGANIC

GEN

MATERIAL

Stratum ID: 6557482

Bottom Depth(m): 37.9 Top Depth(m): 21.0

Stratum Desc: COMPACT TO VERY DENSE GREY SILT

SOME FINE SAND TRACE CLAY

6557483 Stratum ID:

38.3 Bottom Depth(m):

VERY DENSE BROWN SANDY TILL Stratum Desc:

Stratum ID: 6557484 Bottom Depth(m): 41.1

Top Depth(m):

Stratum Desc: DARK GREY SHALE BEDROCK

ANDREW PAKUTS 58 1 of 1 SSE/190.6 67.8 / -1.48 20 MONKLAND AVE

OTTAWA ON K1S 1Y9

Generator No.:

ON4937072

Status:

Approval Years: 2011

Contam. Facility: MHSW Facility:

SIC Code: 236110

SIC Description:

PO Box No.: Country:

Top Depth(m):

Choice of Contact:

Co Admin:

Phone No. Admin:

59 1 of 1 W/193.6 71.8 / 2.58 **BORE** ON

Borehole ID: 847455

Geotechnical/Geological Investigation Use:

Drill Method:: Hand auger Easting:: 446144

Location Accuracy:: Elev. Reliability Note::

Total Depth m:: 1.5

NEPEAN Township:: LOT F Lot::

Completion Date:: 07-JUL-1961

Primary Water Use::

Type: Borehole

Decommissioned Status:: UTM Zone:: 18

Northing:: 5028767 Orig. Ground Elev m:: 67.3 DEM Ground Elev m:: 72.8

Primary Name::

Concession:: **BROKEN FRONT C**

0.0

FILL GRAVEL, SAND, CINDERS, RUBBISH

Order No: 20180911009

Municipality:

Top Depth(m):

Static Water Level:: -999.9

Sec. Water Use::

--Details--

Stratum ID: 6557595

Bottom Depth(m): Stratum Desc: 0.5

Stratum ID: 6557596 Top Depth(m):

Bottom Depth(m): 0.9 Stratum Desc: FILL, GRAVELLY SAND

6557597 Top Depth(m): 0.9 Stratum ID: Bottom Depth(m): Stratum Desc: **CINDERS** 1.0

Stratum ID: 6557598 Top Depth(m): 1.0 Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Bottom Depth(m): 1.5 Stratum Desc: ORGANIC MATERIAL AND SILTY CLAY

60 1 of 1 NNE/196.9 63.8 / -5.44 ON

Borehole ID: 847431 Type: Borehole

 Use:
 Geotechnical/Geological Investigation
 Status::
 Decommissioned

 Drill Method::
 Diamond Drill
 UTM Zone::
 18

Easting:: 446424 Northing:: 5028939

Location Accuracy:: Orig. Ground Elev m:: 67.8

Elev. Reliability Note:: DEM Ground Elev m:: 73.2

Total Depth m:: 19.8 Primary Name::

Township::NEPEANConcession::BROKEN FRONT CLot::LOT FMunicipality:

Completion Date:: 11-FEB-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

<u>--Details--</u> **Stratum ID:** 6557491 **Top Depth(m):** 0.0

Bottom Depth(m): 3.3 Stratum Desc: COMPACT BROWN TO GREY SILTY FINE

SAND

Stratum ID: 6557492 **Top Depth(m):** 3.3

Bottom Depth(m): 10.7 Stratum Desc: STIFF GREY CLAY SOME SILT TRACE FINE

SAND

Stratum ID: 6557493 **Top Depth(m):** 10.7

Bottom Depth(m): 19.8 Stratum Desc: STIFF GREY SILTY CLAY SOME FINE SAND

61 1 of 1 NNW/205.1 70.9 / 1.61 ON BORE

Borehole ID: 806238 Type: Borehole

 Use:
 Geotechnical/Geological Investigation
 Status::

 Drill Method::
 Hollow stem auger
 UTM Zone::
 18

Easting:: 446240.89 Northing:: 5028924.31

 Location Accuracy::
 Orig. Ground Elev m::
 68.8

 Elev. Reliability Note::
 DEM Ground Elev m::
 68.7

 Total Depth m::
 14.9
 Primary Name::
 BH 80-2

Township:: Concession:: Lot:: Municipality:

Completion Date:: 09-DEC-1980 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

 Stratum ID:
 218588179
 Top Depth(m):
 0.0

 Bottom Depth(m):
 0.1
 Stratum Desc:
 Asphalt

Stratum ID: 218588180 **Top Depth(m):** 0.1

Bottom Depth(m): 0.9 Stratum Desc: Brown Fill-Misc Sand With: Gr

Stratum ID: 218588181 **Top Depth(m):** 0.9

Bottom Depth(m): 4.3 Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay

Stratum ID: 218588182 **Top Depth(m):** 4.3

Bottom Depth(m): 11.3 Stratum Desc: Grey Stiff Silty Clay

Stratum ID: 218588183 **Top Depth(m):** 11.3

Bottom Depth(m): 14.9 Stratum Desc: Dark Grey to Grey Firm clay silt With: Org M

62 1 of 1 NW/207.8 70.9 / 1.67
ON
BORE

Borehole ID: 806232 Type: Borehole

Use: Geotechnical/Geological Investigation Status::

Drill Method::Hollow stem augerUTM Zone::18Easting::446207.46Northing::5028905.94Location Accuracy::Orig. Ground Elev m::68.8

Elev. Reliability Note::

Total Depth m::

23.5

Primary Name::

BH 80-1

Township:: Concession:: Lot:: Municipality:

Completion Date:: 09-DEC-1980 Static Water Level:: 6.2

Primary Water Use:: Sec. Water Use::

Bottom Depth(m): 0.2 Stratum Desc: Asphalt

 Stratum ID:
 218588159
 Top Depth(m):
 0.2

 Bottom Depth(m):
 1.4
 Stratum Desc:
 Fill-Misc Gra

Bottom Depth(m): 1.4 Stratum Desc: Fill-Misc Gravel With: Sa

 Stratum ID:
 218588160
 Top Depth(m):
 1.4

Bottom Depth(m): 4.3 Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay

 Stratum ID:
 218588161
 Top Depth(m):
 4.3

Bottom Depth(m): 11.0 Stratum Desc: Grey Stiff Silty Clay

Bottom Depth(m): 16.1 Stratum Desc: Grey Firm clay silt With: Org M

Stratum ID: 218588163 **Top Depth(m):** 16.1

Bottom Depth(m): 19.1 Stratum Desc: Grey Stiff Silty Clay

Stratum ID: 218588164 **Top Depth(m):** 19.1

Bottom Depth(m): 23.5 Stratum Desc: Grey Very Loose to Loose Silt With: CI Trace: F

Sa

0.0

63 1 of 1 W/209.7 73.3 / 4.04 Tam Ho 120 ISABELLA ST

OTTAWA ON K1S 1V5

R-001-4591995227 SWP Area Name: Rideau Valley Approval No: Status: REGISTERED **MOE District:** Ottawa 2016-05-02 **OTTAWA** Date: City: Latitude: 45.40972222 Record Type: **EASR** Link Source: **MOFA** Longitude: -75.68861111

Full Address:
Project Type:
Approval Type:
Approval Type:
Automotive Refinishing Facility
EASR-Automotive Refinishing Facility

Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2021502

64 1 of 1 ENE/209.9 54.9 / -14.39 ON BORE

Borehole ID: 800999 Type: Borehole

Use: Geotechnical/Geological Investigation Status::

 Drill Method::
 Hollow stem auger
 UTM Zone::
 18

 Easting::
 446552.52
 Northing::
 5028833.01

 Location Accuracy::
 Orig. Ground Elev m::
 62.6

 Elev. Reliability Note::
 DEM Ground Elev m::
 61.8

 Total Depth m::
 7.3
 Primary Name::
 BH 1

Township:: Concession:: Lot:: Municipality:

Completion Date:: 16-JAN-1979 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

 Stratum ID:
 218566336
 Top Depth(m):
 0.0

 Bottom Depth(m):
 0.5
 Stratum Desc:
 lce

 Stratum ID:
 218566337
 Top Depth(m):
 0.5

 Stratum ID:
 218566337
 Top Depth(m):
 0.5

 Bottom Depth(m):
 1.7
 Stratum Desc:
 Water

 Stratum ID:
 218566338
 Top Depth(m):
 1.7

Bottom Depth(m): 3.4 Stratum Desc: Dark Grey Very Soft Silt With: Org M

Stratum ID: 218566339 **Top Depth(m):** 3.4

Bottom Depth(m): 7.3 Stratum Desc: Grey Stiff Silty Clay

65 1 of 1 NNE/211.9 61.7/-7.61 BORE

Borehole ID: 847432 Type: Borehole

Use: Geotechnical/Geological Investigation Status:: Decommissioned

Drill Method:: Diamond Drill UTM Zone:: 18

 Drill Method::
 Diamond Drill
 UTM Zone::
 18

 Easting::
 446466
 Northing::
 5028935

 Location Accuracy::
 Orig. Ground Elev m::
 64.1

Elev. Reliability Note:: DEM Ground Elev m:: 64.1

Total Depth m:: 36.6

Primary Name::

 Township::
 NEPEAN
 Concession::
 BROKEN FRONT C

 Lot::
 LOT F
 Municipality:

 Lot::
 LOT F
 Municipality:

 Completion Date::
 02-FEB-1961
 Static Water Level:: -999

 Completion Date::
 02-FEB-1961
 Static Water Level::
 -999.9

 Primary Water Use::
 Sec. Water Use::

<u>--Details--</u> **Stratum ID:** 6557494 **Top Depth(m):** 0.0

Bottom Depth(m): 7.5 Stratum Desc: STIFF GREY TO GREY-BROWN CLAY, SILTY

FINE SAND

Stratum ID: 6557495 **Top Depth(m):** 7.5

Bottom Depth(m): 16.8 Stratum Desc: STIFF GREY SILTY CLAY SOME FINE SAND

Stratum ID: 6557496 **Top Depth(m):** 16.8

Bottom Depth(m): 31.5 Stratum Desc: COMPACT GREY SILT SOME FINE SAND

TRACE OF CLAY

 Stratum ID:
 6557497
 Top Depth(m):
 31.5

 Bottom Depth(m):
 32.8
 Stratum Desc:
 SANDY TILL

 Stratum ID:
 6557498
 Top Depth(m):
 32.8

 Bottom Depth(m):
 36.6
 Stratum Desc:
 BEDROCK

ON

Borehole ID: 847454 Type: Borehole

BORE

Order No: 20180911009

Borehole ID:847454Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

71.7/2.46

 Drill Method::
 Hand auger
 UTM Zone::
 18

 Easting::
 446130
 Northing::
 5028794

 Location Accuracy::
 Orig. Ground Elev m::
 68.3

WNW/212.4

66

1 of 1

Elev. Reliability Note:: DEM Ground Elev m:: 73.9

Total Depth m::1.4Primary Name::Township::NEPEANConcession::BROKEN FRONT C

Lot:: LOT F Municipality:

Completion Date::07-JUL-1961Static Water Level::-999.9Primary Water Use::Sec. Water Use::

--Details--

Stratum ID: 6557592 **Top Depth(m):** 0.0

Bottom Depth(m): 0.5 Stratum Desc: FILL SAND GRAVEL AND CINDERS

 Stratum ID:
 6557594
 Top Depth(m):
 0.9

 Bottom Depth(m):
 1.4
 Stratum Desc:
 CLAY

Stratum ID: 6557593 **Top Depth(m):** 0.5

Bottom Depth(m): 0.9 Stratum Desc: FILL (MOSTLY SAND, FEW TOPSOIL BANDS

AND ORGANIC MATERIAL)

Order No: 20180911009

67 1 of 1 NW/213.8 70.9 / 1.61 WWIS

Lot:

Well ID: 7044390 Data Entry Status:

Construction Date:Data Src:Primary Water Use:Date Received:6/4/2007Sec. Water Use:Selected Flag:Yes

Final Well Status: Observation Wells Abandonment Rec:
Water Type: Contractor: 1844

Casing Material: Form Version: 3

 Audit No:
 Z58334
 Owner:

 Tag:
 A051278
 Street Name:
 424 METCALFE ST

 Construction Method:
 County:
 OTTAWA-CARLETON

Construction Method:County:OTTAWA-CARLETONElevation (m):Municipality:OTTAWA CITYElevation Reliability:Site Info:

Well Depth: Concession:

Overburden/Bedrock: Concession Name:

Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

Bore Hole Information

 Bore Hole ID:
 11766807
 Elevation:
 68.88

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 x
 East83:
 446180

 Code OB Page 1
 Light rough for a in the leaves (a)
 Oracle OB Page 2

Code OB Desc:Unknown type in the lower layers(s)Org CS:UTM83Open Hole:North83:5028889Cluster Kind:UTMRC:3

 Date Completed:
 13-MAR-07

 UTMRC Desc:
 margin of error: 10 - 30 m

 Remarks:
 Location Method:

 wwr

Elevrc Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Depth to Bedrock:

Overburden and Bedrock

Materials Interval

933102769 Formation ID:

Layer: 3 Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY

Mat2:

Other Materials: Mat3:

Other Materials:

1.9 Formation Top Depth: Formation End Depth: 3.9 Formation End Depth UOM: m

Formation ID: 933102767

Layer: Color: 6 General Color: **BROWN** Mat1: 01 Most Common Material: **FILL** Mat2: 05 Other Materials: CLAY Mat3: 01 **FILL** Other Materials: Formation Top Depth: 0 Formation End Depth: 1.3 Formation End Depth UOM:

Formation ID: 933102770

m

Layer: 4 Color: General Color: **GREY**

Mat1:

Most Common Material:

Mat2: 84 Other Materials: SILTY

Mat3:

Other Materials:

Formation Top Depth: 3.9 4.5 Formation End Depth: Formation End Depth UOM:

Formation ID: 933102768

Layer: 2 Color: 2 General Color: **GREY** 01 Mat1: Most Common Material: FILL

Mat2:

Other Materials:

Mat3:

Other Materials:

1.3 Formation Top Depth: Formation End Depth: 1.9 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 933320109 Layer: 1 Plug From: .5 1.3

Order No: 20180911009

Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 967044390

m

Method Construction Code:

Method Construction: Digging

Other Method Construction:

Pipe Information

Pipe ID: 11774497

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930900167

Layer: 1 Material: 5

Open Hole or Material: PLASTIC

Depth From: 0
Depth To: 1.3
Casing Diameter: 51
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933424715

 Layer:
 1

 Slot:
 10

 Screen Top Depth:
 1.5

 Screen End Depth:
 4.5

 Screen Material:
 5

 Screen Depth UOM:
 m

 Screen Diameter UOM:
 cm

 Screen Diameter:
 58

Hole Diameter

 Hole ID:
 11853423

 Diameter:
 20

 Depth From:
 0

 Depth To:
 4.5

 Hole Depth UOM:
 m

 Hole Diameter UOM:
 cm

Certificate #: 0761-5WHMAE

Application Year:2004Issue Date:3/8/2004

1 of 1

Approval Type: Industrial Sewage Works

Status: Approved

Application Type: Client Name::

City of Ottawa 105 Catherine Street Ottawa ON

CA

Order No: 20180911009

NW/214.0

70.9 / 1.61

68

Client Address:: Client City::

Client Postal Code:: Project Description:: Contaminants:: Emission Control::

69 1 of 1 NE/214.6 54.9 / -14.41 ON BORE

Borehole ID: 801580 Type: Borehole

Use: Geotechnical/Geological Investigation Status::

Drill Method:: Boring **UTM Zone::** 18

 Easting::
 446514.54
 Northing::
 5028899.21

 Location Accuracy::
 Orig. Ground Elev m::
 62.6

 Elev. Reliability Note::
 DEM Ground Elev m::
 64.4

 Total Depth m::
 34.4
 Primary Name::
 BH 3

Township:: Concession::

Lot:: Municipality:

Completion Date:: 03-MAR-1977 Static Water Level::
Primary Water Use:: Sec. Water Use::

--Details--

 Stratum ID:
 218568686
 Top Depth(m):
 0.0

 Bottom Depth(m):
 0.7
 Stratum Desc:
 Ice

Stratum ID: 218568687 **Top Depth(m):** 0.7

Bottom Depth(m): 1.1 Stratum Desc: Fill-Misc Sand - Gravel With: Blds

Stratum ID: 218568688 **Top Depth(m):** 1.1

Bottom Depth(m): 2.4 Stratum Desc: Fill-Misc Silty Clay With: Gr

Stratum ID: 218568689 **Top Depth(m):** 2.4

Bottom Depth(m): 2.7 Stratum Desc: Brown Peat

Stratum ID: 218568690 **Top Depth(m):** 2.7

Bottom Depth(m): 5.8 Stratum Desc: Grey Very Stiff to Stiff Silty Clay

Stratum ID: 218568691 **Top Depth(m):** 5.8

Bottom Depth(m): 7.3 Stratum Desc: Grey Stiff Silty Clay With: Org M

Stratum ID: 218568692 **Top Depth(m):** 7.3

Bottom Depth(m): 10.4 Stratum Desc: Grey Stiff Silty Clay Trace: Org M

Stratum ID: 218568693 **Top Depth(m):** 10.4

Bottom Depth(m): 14.6 Stratum Desc: Grey Stiff to Very Stiff Silty Clay

Stratum ID: 218568694 **Top Depth(m):** 14.6

Bottom Depth(m): 19.2 Stratum Desc: Grey Compact clay silt Trace: Sa

Stratum ID: 218568695 **Top Depth(m):** 19.2

Bottom Depth(m): 29.0 Stratum Desc: Grey Compact sand silt With: CI W Gr

 Stratum ID:
 218568696
 Top Depth(m):
 29.0

 Bottom Depth(m):
 29.3
 Stratum Desc:
 Boulders

Stratum ID: 218568697 **Top Depth(m):** 29.3

Bottom Depth(m): 31.0 Stratum Desc: Dark Grey Very Dense Till Silt - Sand With: Gr W Cob

.....

Order No: 20180911009

4.6

Stratum ID: 218568698 **Top Depth(m):** 31.0

Bottom Depth(m): 34.4 Stratum Desc: Black Bedrock Shale

70 1 of 1 W/215.7 72.6 / 3.30 ON BORE

Borehole ID:847465Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

Use:Geotechnical/Geological InvestigationStatus::DecommissionedDrill Method::Power augerUTM Zone::18Easting::446121Northing::5028764

Location Accuracy::

Corig. Ground Elev m:: 68.2

Elev. Reliability Note::

DEM Ground Elev m:: 73.6

Total Depth m:: 1.7

Primary Name::

Township::NEPEANConcession::BROKEN FRONT CLot::LOT FMunicipality:

Completion Date::15-AUG-1961Static Water Level::Primary Water Use::Sec. Water Use::

rimary water use:: Sec. water use

<u>--Details--</u> **Stratum ID:** 6557635 **Top Depth(m):** 0.0

Bottom Depth(m): 1.4 Stratum Desc: FILL, SAND WITH SOME GRAVEL A FEW LAYERS AND POCKETS OF CINDERS

-999.9

Order No: 20180911009

Stratum ID: 6557636 **Top Depth(m):** 1.4

Bottom Depth(m): 1.7 Stratum Desc: CLAY

71 1 of 1 WNW/219.0 71.9 / 2.61 lot F con C WWIS

Well ID: 7292768 Data Entry Status:

Construction Date:

Primary Water Use:

Sec. Water Use:

Sec. Water Use:

Selected Flag:

Yes

Final Well Status: Observation Wells Abandonment Rec:
Water Type: Contractor: 7543

Casing Material: Form Version: 7

Audit No: Z217814

Contractor: 754

Tag: A203626 Street Name: CATHERINE STREET/METCALFE
Construction Method: County: OTTAWA-CARLETON

Elevation (m):Municipality:NEPEAN TOWNSHIPElevation Reliability:Site Info:Depth to Bedrock:Lot:F

Well Depth: Concession: C
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N):
Flow Rate:
UTM Reliability:
Clear/Cloudy:

Bore Hole Information

Location Source Date:

Bore Hole ID: 1006712580 **Elevation:** 69.85

DP2BR: Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 446134

 Code OB Desc:
 Org CS:
 UTM83

 Open Hole:
 North83:
 5028828

 Cluster Kind:
 UTMRC:
 4

Date Completed: 28-JUN-17 UTMRC Desc: margin of error : 30 m - 100 m

Remarks: Location Method: wv

Elevrc Desc:

Improvement Location Source:

Improvement Location Method:

Source Revision Comment:

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 1006836680

Layer: Color:

General Color:

Mat1: 02

Most Common Material: TOPSOIL

Mat2:

Other Materials:

Mat3:

Other Materials:

Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Formation ID: 1006836681

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2:

Other Materials:

Mat3:85Other Materials:SOFTFormation Top Depth:2Formation End Depth:18Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006836687

 Layer:
 1

 Plug From:
 0

 Plug To:
 12

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006836686

Method Construction Code:

Method Construction:Other MethodOther Method Construction:AUGERING

Pipe Information

Pipe ID: 1006836679

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006836684

Map Key Numbe Record		Elev/Diff (m)	Site	DB
Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	-3 13 2			
Construction Record -	<u>Screen</u>			
Screen ID: Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOM: Screen Diameter:	1006836685 1 10 13 18 5 ft inch 2.5			
Water Details				
Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UC	1006836683 DM: ft			
Hole Diameter				
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:	1006836682 10 0 18 ft inch			
72 1 of 1	N/220.2	69.8 / 0.56	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	613229 446331 23.5 OCT-1972		Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028972 68.8 67.9
Details Stratum ID: Bottom Depth(m):	218394236 1.8		Top Depth(m): Stratum Desc:	0.0 ARTIFICIAL. DARK,BROWN,COMPACT.
Stratum ID: Bottom Depth(m):	218394237 4.6		Top Depth(m): Stratum Desc:	1.8 CLAY. BROWN,HARD,STIFF,DESSICATED.

Top Depth(m):

4.6

Order No: 20180911009

218394238

Stratum ID:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) CLAY. GREY, STIFF, FIRM. 14.9 Stratum Desc:

Bottom Depth(m):

218394239 Stratum ID: Top Depth(m): 14.9

CLAY. GREY, STIFF. Bottom Depth(m): 22.4 Stratum Desc:

218394240 Stratum ID: 22.4 Top Depth(m):

Bottom Depth(m): 23.5 Stratum Desc: SILT. GREY, COMPACT.

0000001700060013001500030049000300735016SE. SILT. GREY, DENSE TO VERY DENS

Order No: 20180911009

EASR

1 of 1 WNW/220.3 71.2 / 1.92 **CENTRETOWN CITIZENS OTTAWA 73**

CORPORATION

111 CATHERINE STREET OTTAWA ON K2P 0P4

Approval No: R-002-1000000433 SWP Area Name: Status: REGISTERED **MOE District:**

Date: 2012-01-26 City: **OTTAWA** Latitude:

Record Type: **EASR** Link Source: **MOFA**

Full Address: Project Type: Standby Power System EASR-Standby Power System Approval Type:

Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=643

1 of 1 S/220.9 69.3 / 0.00 TERRANCE J. MCMANUS 74 **GEN** 30 MONKLAND AVENUE

Longitude:

PO Box No.: Country:

Co Admin:

Choice of Contact:

Phone No. Admin:

OTTAWA ON K1S 1Y9

Generator No.: ON3124392 Status:

02,03,04 Approval Years: Contam. Facility: MHSW Facility:

SIC Code: SIC Description:

--Details--Waste Code: 221

LIGHT FUELS Waste Description:

1 of 1 NNE/226.0 61.6 / -7.64 75 **BORE** ON

Borehole ID: 847436 Type: Borehole Geotechnical/Geological Investigation Decommissioned Status:: Use:

Drill Method:: Diamond Drill UTM Zone:: 18 446465 5028952 Easting:: Northing::

Location Accuracy:: Orig. Ground Elev m:: 64.4 Elev. Reliability Note:: DEM Ground Elev m:: 72.9 Total Depth m:: 17.3 Primary Name::

NEPEAN Concession:: **BROKEN FRONT C** Township:: LOT F Lot:: Municipality:

Completion Date:: 09-FEB-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 6557513 Top Depth(m): 0.0

LOOSE BROWN FILL Bottom Depth(m): Stratum Desc: 1.5

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

Stratum ID: 6557514 Top Depth(m):

STIFF GREY CLAY SOME SILT TRACE FINE Bottom Depth(m): 6.9 Stratum Desc:

SAND

Stratum ID: 6557515 Top Depth(m): 6.9

STIFF GREY SILTY CLAY SOME FINE SAND Bottom Depth(m): 17.3 Stratum Desc:

1 of 1 W/227.6 74.0 / 4.69 **76 BORE** ON

Borehole ID: 847451 Type:

Borehole Geotechnical/Geological Investigation Status:: Decommissioned

Drill Method:: UTM Zone:: Hand auger 18 446108 Northing:: 5028741 Easting:: Orig. Ground Elev m:: Location Accuracy:: 67.4 DEM Ground Elev m:: Elev. Reliability Note:: 70.6

Total Depth m:: 1.4 Primary Name:: Township:: **NEPEAN BROKEN FRONT C** Concession::

LOT F Lot:: Municipality:

06-JUL-1961 Completion Date:: Static Water Level:: -999.9 Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 6557576 Top Depth(m):

Stratum Desc: Bottom Depth(m): 0.5 FILL CINDERS WOOD SAND AND GRAVEL

Stratum ID: 6557577 Top Depth(m):

Bottom Depth(m): 0.8 Stratum Desc: **GRAVELLY FILL**

Stratum ID: 6557578 Top Depth(m):

Bottom Depth(m): 0.9 Stratum Desc: ORGANIC MATERIAL

Stratum ID: 6557579 Top Depth(m):

Bottom Depth(m): 1.2 Stratum Desc: SILTY SANDY CLAY WITH FEW PEBBLES

6557580 Stratum ID: Top Depth(m): 1.2 Stratum Desc: CLAY Bottom Depth(m): 1.4

77 1 of 4 NW/227.7 70.9 / 1.61 464 Metcalfe **EHS** Ottawa ON

Order ID: 203173 Date Received: 2/27/2012 7:52:55 PM

Order No: 20120227056 Lot/Building Size:

Customer ID: 90295 Municipality: CO Company ID: 57369 Client Prov/State: Status: С Search Radius (km): 0.25 Report Code: 1CAN Large Radius: 2

-75.687801 Report Type: Site Report X: 2/28/2012 7:55:30 PM Y: Report Date: 45.41163

Report Requested by: Saic Energy, Environment & Infrastructure, Llc

Nearest Intersection: Previous Site Name: Additional Info Ordered:

77 2 of 4 NW/227.7 70.9 / 1.61 **CENTRETOWN CITIZENS OTTAWA GEN**

CORPORATION 464 Metcalfe Street

Ottawa ON

Order No: 20180911009

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

> PO Box No.: Country:

Choice of Contact: Co Admin:

Phone No. Admin:

ON4321223 Generator No.:

Status:

Approval Years:

Contam. Facility:

2010

MHSW Facility:

531310 SIC Code:

SIC Description:

Real Estate Property Managers

--Details--

Waste Code:

Waste Description:

OIL SKIMMINGS & SLUDGES

77 3 of 4 NW/227.7

70.9 / 1.61

Modern Niagara Building Services

Canada

Canada

CO_OFFICIAL

464 Metcalfe Street

Ottawa ON K2P 1B7

ON6183296 Generator No.:

Status: Approval Years:

Contam. Facility: MHSW Facility: SIC Code: SIC Description:

Registered

As of Dec 2017

PO Box No.: Country:

Choice of Contact:

Co Admin: Phone No. Admin:

--Details--

Waste Code:

Waste Description: Aliphatic solvents and residues

77 4 of 4 NW/227.7

70.9 / 1.61

Modern Niagara Building Services

464 Metcalfe Street Ottawa ON K2P 1B7

Choice of Contact:

Phone No. Admin:

PO Box No.:

Country:

Co Admin:

Generator No.:

ON6183296

Status:

Approval Years: 2016 Contam. Facility: No MHSW Facility: No

SIC Code: 531310

SIC Description:

REAL ESTATE PROPERTY MANAGERS

--Details--

Waste Code:

ALIPHATIC SOLVENTS Waste Description:

78

1 of 1

NNE/229.3

61.6 / -7.64

ON

Borehole ID:

Geotechnical/Geological Investigation Use:

Drill Method:: Diamond Drill Easting:: 446485

Location Accuracy:: Elev. Reliability Note::

Total Depth m:: 36.1 **NEPEAN** Township::

LOT F

Completion Date:: 17-MAY-1960 Primary Water Use::

Type: Borehole Decommissioned Status::

UTM Zone:: 18 Northing:: 5028944 Orig. Ground Elev m:: 64.5 DEM Ground Elev m:: 70.3

Primary Name::

BROKEN FRONT C Concession::

Municipality:

Static Water Level:: .8

Sec. Water Use::

erisinfo.com | Environmental Risk Information Services

Order No: 20180911009

GEN

GEN

BORE

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Details Stratum ID: Bottom Dept	h(m):	6557282 0.3			Top Depth(m): Stratum Desc:	0.0 TOPSOIL
Stratum ID: Bottom Dept	h(m):	6557283 1.8			Top Depth(m): Stratum Desc:	0.3 SILTY FINE SAND WITH A LITTLE CLAY VERY LOOSE (SM)
Stratum ID: Bottom Dept	h(m):	6557284 3.7			Top Depth(m): Stratum Desc:	1.8 CLAY, BROWNISH GREY, FISSURED, STIFF, HIGH PLASTICITY (CH)
Stratum ID: Bottom Dept	h(m):	6557286 9.1			Top Depth(m): Stratum Desc:	7.6 SILT, STIFF TO MEDIUM SOFT LOW PLASTICITY (ML)
Stratum ID: Bottom Dept	h(m):	6557287 15.2			Top Depth(m): Stratum Desc:	9.1 CLAY GREY, STIFF LOW PLASTICITY (CL)
Stratum ID: Bottom Dept	h(m):	6557288 18.3			Top Depth(m): Stratum Desc:	15.2 CLAYEY SILT, GREY, STIFF TO MEDIUM SOFT LOW PLASTICITY (CL - ML)
Stratum ID: Bottom Dept	h(m):	6557289 21.8			Top Depth(m): Stratum Desc:	18.3 SANDY SILT WITH SOME CLAY AND A TRACE OF GRAVEL, NON PLASTIC, MEDIUM DENSE (ML)
Stratum ID: Bottom Dept	h(m):	6557290 30.5			Top Depth(m): Stratum Desc:	21.8 SILT WITH SOME SAND AND A LITTLE CLAY, NON PLASTIC, MEDIUM DENSE (ML)
Stratum ID: Bottom Dept	h(m):	6557291 30.8			Top Depth(m): Stratum Desc:	30.5 SANDY SILT WITH A LITTLE GRAVEL AND CLAY, NON PLASTIC, LOOSE (ML)
Stratum ID: Bottom Dept	h(m):	6557292 32.3			Top Depth(m): Stratum Desc:	30.8 SANDY SILT WITH A LITTLE GRAVEL AND CLAY, NON PLASTIC, MEDIUM DENSE (ML)
Stratum ID: Bottom Dept	h(m):	6557293 32.9			Top Depth(m): Stratum Desc:	32.3 SILTY SAND WITH A LITLE CLAY AND A TRACE OF GRAVEL (TILL) DENSE (SM)
Stratum ID: Bottom Dept	h(m):	6557294 34.5			Top Depth(m): Stratum Desc:	32.9 SHALE, CORE RECOVERY 98%
Stratum ID: Bottom Dept	h(m):	6557295 36.1			Top Depth(m): Stratum Desc:	34.5 SHALE, CORE RECOVERY 100%
Stratum ID: Bottom Dept	h(m):	6557285 7.6			Top Depth(m): Stratum Desc:	3.7 CLAY GREY, STIFF HIGH PLASTICITY (CH)
79	1 of 1		NE/230.6	55.7 / -13.57	ON	BORE
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabil Total Depth I	curacy:: lity Note::	801556 Geotechnic Boring 446542.41	cal/Geological Inve	stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name::	Borehole 18 5028890.69 62.5 62.4 BH 2

Order No: 20180911009

Primary Name::

Total Depth m::

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

Township:: Concession:: Municipality: Lot::

Completion Date:: 03-MAR-1977 Static Water Level:: 3.7

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218568668 Top Depth(m): 0.0 Bottom Depth(m): 0.9 Stratum Desc: Ice

Stratum ID: 218568669 Top Depth(m): 0.9 Stratum Desc: Water Bottom Depth(m): 1.2

218568670 Stratum ID: Top Depth(m): 1.2

Bottom Depth(m): 2.1 Stratum Desc: Grey Loose Fill-Misc clay silt With: Gr

Stratum ID: 218568671 Top Depth(m): 2.1 Bottom Depth(m): Stratum Desc: **Brown Peat** 2.7

218568672

Stratum ID: Top Depth(m): Bottom Depth(m): 7.5 Stratum Desc:

Grey Stiff Silty Clay

218568673 Stratum ID: Top Depth(m):

Bottom Depth(m): 8.5 Stratum Desc: Grey Stiff Silty Clay With: Org M

Stratum ID: 218568674 Top Depth(m):

Stratum Desc: Grey Stiff Silty Clay Trace: Org M Bottom Depth(m): 11.3

Stratum ID: 218568675 Top Depth(m):

Bottom Depth(m): 14.5 Stratum Desc: Grey Stiff Silty Clay

218568676 Stratum ID: Top Depth(m): Bottom Depth(m): Stratum Desc: 16.2 Grey Compact clay silt

218568677 Stratum ID: Top Depth(m): Stratum Desc:

Bottom Depth(m): 18.3 Grey Compact sand silt Trace: Cl

218568678 Stratum ID: Top Depth(m):

Bottom Depth(m): 22.9 Stratum Desc: Grey Compact to Loose clay silt

Stratum ID: 218568679 Top Depth(m):

Grey Loose to Compact sand silt With: CI Bottom Depth(m): 29.4 Stratum Desc:

Stratum ID: 218568680 Top Depth(m):

Stratum Desc: Dark Grey Very Dense Till sand silt With: Gr W Bottom Depth(m): 30.5 Cob

BORE

Order No: 20180911009

Stratum ID: 218568681 Top Depth(m): 30.5

Black Bedrock Shale Bottom Depth(m): 33.5 Stratum Desc:

ENE/230.6 54.9 / -14.39 80 1 of 1

ON

Borehole Borehole ID: Type:

Geotechnical/Geological Investigation Use: Status::

Hollow stem auger Drill Method:: UTM Zone:: 18

Easting:: 446570.55 Northing:: 5028843.18 Location Accuracy:: Orig. Ground Elev m:: 62.6 Elev. Reliability Note:: **DEM Ground Elev m::** 62.8

Total Depth m:: 4.3 Primary Name:: BH 2

Township:: Concession:: Municipality: Lot::

Completion Date:: 16-JAN-1979 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

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

--Details--

Stratum ID: 218566351 Top Depth(m): 0.0 Bottom Depth(m): Stratum Desc: Ice 0.3

218566352 Stratum ID: Top Depth(m): 0.3

Bottom Depth(m): 8.0 Stratum Desc: Dark Grey Very Soft Silt With: Org M

Stratum ID: 218566353 Top Depth(m):

Bottom Depth(m): 1.3 Stratum Desc: Grey-Brown Loose Silt - Sand Trace: Org M

218566354 Stratum ID: Top Depth(m):

Bottom Depth(m): 3.2 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty

Clay

218566355 Stratum ID: Top Depth(m): 3.2

Bottom Depth(m): 4.3 Stratum Desc: Grey Stiff Silty Clay

WNW/232.3 81 1 of 1 71.9 / 2.61 **BORE** ON

Borehole Borehole ID: 804313 Type:

Use: Geotechnical/Geological Investigation Status::

Drill Method:: Hollow stem auger UTM Zone:: 18

446123.11 5028836.52 Easting:: Northing:: Location Accuracy:: Orig. Ground Elev m:: -999.9

DEM Ground Elev m:: Elev. Reliability Note:: 68.7 Total Depth m:: 4.3 Primary Name:: BH.3

Township:: Concession:: Lot:: Municipality:

Completion Date:: 22-SEP-1989 Static Water Level:: 2.9

Primary Water Use:: Sec. Water Use::

--Details--

218580122 Stratum ID: Top Depth(m): 0.0 Bottom Depth(m): Stratum Desc: Topsoil 0.1

218580123 Top Depth(m): Stratum ID:

Bottom Depth(m): 0.2 Stratum Desc: Brown Fill-Misc Sand With: Si

Stratum ID: 218580124 Top Depth(m):

Grey-Brown Loose Fill-Misc Silt - Sand With: Gr Bottom Depth(m): 1.6 Stratum Desc:

Trace: Org M

Stratum ID: 218580125 Top Depth(m):

Grey-Brown Very Stiff Weathered Crust Silty Bottom Depth(m): 4.3 Stratum Desc:

Clay

Order No: 20180911009

82 1 of 1 N/233.2 69.3 / 0.00 **Paramount Properties GEN** 475 Elgin st

Ottawa ON K2P 2E6

Generator No.: ON9800579 PO Box No.: Status: Country:

Choice of Contact: 2010 Approval Years: Contam. Facility: Co Admin:

MHSW Facility: Phone No. Admin:

SIC Code: 511111 SIC Description:

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

--Details--

Waste Code:

OIL SKIMMINGS & SLUDGES Waste Description:

R.M. OF OTTAWA-CARLETON 83 1 of 1 W/237.2 73.9 / 4.61 CA O'CONNOR ST./ISABELLA ST.

OTTAWA CITY ON

Certificate #: 7-0433-96-Application Year: 96 Issue Date: 6/6/1996 Municipal water Approval Type: Approved Status: Application Type:

Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::**

> 84 1 of 1 N/238.6 69.3 / 0.00 **BORE** ON

> > Status::

Borehole ID: 613230 Borehole Type:

Use:

Drill Method:: UTM Zone:: 446361 Easting:: Northing::

5028992 Location Accuracy:: Orig. Ground Elev m:: 70.6 Elev. Reliability Note:: DEM Ground Elev m:: 68.1

Total Depth m:: -999 Primary Name:: Township:: Concession::

Lot:: Municipality: Completion Date:: SEP-1933 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218394241 Top Depth(m): 0.0 Bottom Depth(m): 0.2 Stratum Desc: SAND.

Stratum ID: 218394242 Top Depth(m): CLAY. YELLOW, HARD. Stratum Desc: Bottom Depth(m): 1.5

Stratum ID: 218394243 Top Depth(m): Stratum Desc: CLAY. GREY, STIFF. 4.6

Bottom Depth(m):

Stratum ID: 218394244 Top Depth(m):

Bottom Depth(m): Stratum Desc: CLAY. GREY, COMPACT. 6.1

218394245 Stratum ID: Top Depth(m):

Bottom Depth(m): Stratum Desc: CLAY. BLUE, SOFT. 12.2

Stratum ID: 218394246 Top Depth(m): 12.2

Bottom Depth(m): Stratum Desc: SAND. LOOSE. STIFF. SILT. GREY.COMPACT.

00000017000600130015000300490003007350

Order No: 20180911009

16SE. SILT

18

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
85	1 of 1		NNW/238.8	70.9 / 1.61	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Acc Elev. Reliabil Total Depth n Township:: Lot:: Completion Deprimary Wate	euracy:: ity Note:: n:: Date::	613228 446261 40.2 OCT-1972			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028972 69.2 69.4 -999.9
Details Stratum ID: Bottom Depti		218394228 1.2			Top Depth(m): Stratum Desc:	0.0 ARTIFICIAL.
Stratum ID: Bottom Depti	h(m):	218394229 4.9)		Top Depth(m): Stratum Desc:	1.2 CLAY. BROWN,HARD,FIRM,WEATHERED.
Stratum ID: Bottom Depti	h(m):	218394230 15.2)		Top Depth(m): Stratum Desc:	4.9 CLAY. GREY,STIFF,FIRM.
Stratum ID: Bottom Depti	h(m):	218394231 21.2			Top Depth(m): Stratum Desc:	15.2 CLAY. GREY,STIFF.
Stratum ID: Bottom Depti	h(m):	218394232 22.1	2		Top Depth(m): Stratum Desc:	21.2 SILT. GREY,VERY STIFF,LAYERED.
Stratum ID: Bottom Depti	h(m):	218394233 30.3	3		Top Depth(m): Stratum Desc:	22.1 SILT. GREY,COMPACT,VERY LOOSE.
Stratum ID: Bottom Depti	h(m):	218394234 36.4	1		Top Depth(m): Stratum Desc:	30.3 SAND. GREY,DENSE,LOOSE.
Stratum ID: Bottom Deptl	h(m):	218394235 40.2	5		Top Depth(m): Stratum Desc:	36.4 SILT. GREY,DENSE TO VERY DENSE. 00160025070080000400150050000600725008 0099504201195042 0000500

<u>86</u>	1 of 1	W/241.7	72.9 / 3.61	ON		BORE
Borehole II	D:	847401		Туре:	Borehole	
Use:		Geotechnical/Geological Ir	nvestigation	Status::	Decommissioned	
Drill Metho	d::	Boring		UTM Zone::	18	
Easting::		446095		Northing::	5028762	
Location A	ccuracy::			Orig. Ground Elev m::	68.5	
Elev. Relial	bility Note::			DEM Ground Elev m::	72.9	
Total Depti	h m::	32.7		Primary Name::		
Township::	:	NEPEAN		Concession::	BROKEN FRONT C	
Lot::		LOT F		Municipality:		
Completion	n Date::	05-JAN-1960		Static Water Level::	3.1	
Primary Wa	ater Use::			Sec. Water Use::		
Details						
Stratum ID:	:	6557320		Top Depth(m):	0.0	
Bottom De	pth(m):	1.5		Stratum Desc:	FILL	
Stratum ID.	:	6557321		Top Depth(m):	1.5	
Bottom De	pth(m):	1.8		Stratum Desc:	ORGANIC	

Order No: 20180911009

Map Key Numbe Record		Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	6557322 3.5		Top Depth(m): Stratum Desc:	1.8 CLAY BROWNISH GREY WITH A LITTLE SAND HIGH PLASTICITY (CH)
Stratum ID: Bottom Depth(m):	6557323 9.1		Top Depth(m): Stratum Desc:	3.5 CLAY GREY HIGH PLASTICITY STIFF (CH) WITH LAYERS OF CLAY GREY MEDIUM PLASTICITY, MEDIUM SOFT (CL)
Stratum ID: Bottom Depth(m):	6557324 15.2		Top Depth(m): Stratum Desc:	9.1 CLAYEY SILT, GREY MEDIUM TO LOW PLASTICITY STIFF TO MEDIUM SOFT (ML)
Stratum ID: Bottom Depth(m):	6557325 17.8		Top Depth(m): Stratum Desc:	15.2 CLAYEY SILT, GREY, LOW PLASTICITY MEDIUM SOFT (CL - ML)
Stratum ID: Bottom Depth(m):	6557326 21.3		Top Depth(m): Stratum Desc:	17.8 LOOSE TILL
Stratum ID: Bottom Depth(m):	6557327 21.6		Top Depth(m): Stratum Desc:	21.3 MEDIUM DENSE SANDY TILL
Stratum ID: Bottom Depth(m):	6557328 26.5		Top Depth(m): Stratum Desc:	21.6 DENSE TILL
Stratum ID: Bottom Depth(m):	6557329 29.7		Top Depth(m): Stratum Desc:	26.5 MEDIUM DENSE SANDY TILL
Stratum ID: Bottom Depth(m):	6557330 31.1		Top Depth(m): Stratum Desc:	29.7 SHALE, CORE RECOVERY 72%
Stratum ID: Bottom Depth(m):	6557331 32.7		Top Depth(m): Stratum Desc:	31.1 SHALE, CORE RECOVERY 98%
<u>87</u> 1 of 1	NNW/243.6	70.9 / 1.61	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	806276 Geotechnical/Geological Inve Hollow stem auger 446255.4 14.9 11-DEC-1980	estigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028975.03 69.5 69.5 BH 80-3
Details Stratum ID: Bottom Depth(m):	218588277 0.1		Top Depth(m): Stratum Desc:	0.0 Concrete
Stratum ID: Bottom Depth(m):	218588278 1.4		Top Depth(m): Stratum Desc:	0.1 Brown Compact Fill-Misc sand silt With: Gr
Stratum ID: Bottom Depth(m):	218588279 4.9		Top Depth(m): Stratum Desc:	1.4 Brown Very Stiff to Stiff Weathered Crust Silty Clay

Top Depth(m):

4.9

Order No: 20180911009

218588280

Stratum ID:

Map Key Bottom Depth	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site Stratum Desc:	DB Grey Firm to Stiff Silty Clay
Stratum ID: Bottom Depth		218588281 14.9			Top Depth(m): Stratum Desc:	11.6 Dark Grey Firm clay silt With: Org M
<u>88</u>	1 of 1		WSW/246.2	75.0 / 5.73	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Acc Elev. Reliabili Total Depth n Township:: Lot:: Completion D Primary Wate	uracy:: ity Note:: 1:: Pate::	613199 446111 30.6 JUN-1971			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028642 67.5 68 -999.9
Details Stratum ID: Bottom Depth	n(m):	218394104 3.0			Top Depth(m): Stratum Desc:	0.0 ARTIFICIAL.
Stratum ID: Bottom Depti	n(m):	218394105 14.3			Top Depth(m): Stratum Desc:	3.0 CLAY. GREY,SOFT TO STIFF,FISSURED.
Stratum ID: Bottom Depti	n(m):	218394106 15.1			Top Depth(m): Stratum Desc:	14.3 SILT. DENSE.
Stratum ID: Bottom Depti	n(m):	218394107 16.8			Top Depth(m): Stratum Desc:	15.1 SAND. LOOSE.
Stratum ID: Bottom Depti	n(m):	218394108 22.1			Top Depth(m): Stratum Desc:	16.8 SAND. LOOSE TO COMPACT.
Stratum ID: Bottom Depth	n(m):	218394109 27.1			Top Depth(m): Stratum Desc:	22.1 UNSPECIFIED. DENSE.
Stratum ID: Bottom Depti	n(m):	218394110 29.0			Top Depth(m): Stratum Desc:	27.1 SAND. VERY DENSE.
Stratum ID: Bottom Depth	n(m):	218394111 29.0			Top Depth(m): Stratum Desc:	29.0 UNSPECIFIED. VERY DENSE.
Stratum ID: Bottom Depti	n(m):	218394112 30.6			Top Depth(m): Stratum Desc:	29.0 BEDROCK. 00000 037 00097 050 00470 023 00495 023 00550 007 00725 010 00890

1 of 1 NE/252.2 60.3 / -8.99 89 **BORE** ON

Borehole

Order No: 20180911009

Borehole ID: 801539

Type: Status:: Geotechnical/Geological Investigation Use:

Drill Method:: Boring UTM Zone:: 18

Easting:: 446548.53 Northing:: 5028917.58

Orig. Ground Elev m:: 62.8 Location Accuracy:: Elev. Reliability Note:: DEM Ground Elev m:: 64.5 Total Depth m:: 33.5 Primary Name:: BH 1

Township:: Concession::

Elev/Diff Site DΒ Map Key Number of Direction/ Records Distance (m) (m) Lot:: Municipality: Completion Date:: 09-MAY-1977 Static Water Level:: .8 Primary Water Use:: Sec. Water Use:: --Details--218568616 Stratum ID: Top Depth(m): Bottom Depth(m): 1.1 Stratum Desc: Brown Compact Fill-Misc Silt - Sand With: Gr W Org M Stratum ID: 218568617 Top Depth(m): 1.1 Stratum Desc: Brown Silt - Sand Bottom Depth(m): 1.4 218568618 Stratum ID: Top Depth(m): Grey-Brown Stiff Weathered Crust Silty Clay Stratum Desc: Bottom Depth(m): 2.9 218568619 Stratum ID: Top Depth(m): 2.9 Bottom Depth(m): Stratum Desc: Grey Stiff Silty Clay 218568620 Top Depth(m): Stratum ID: Bottom Depth(m): 10.4 Stratum Desc: Grey Stiff Silty Clay Trace: Org M Stratum ID: 218568621 Top Depth(m): Bottom Depth(m): Stratum Desc: Grey Loose to Compact sand silt With: Gr 28.7 218568622 Stratum ID: Top Depth(m): Bottom Depth(m): Stratum Desc: Dark Grey Dense Till sand silt With: Gr W Cob 30.6 218568623 Stratum ID: Top Depth(m): Bottom Depth(m): 33.5 Stratum Desc: Black Bedrock Shale Stratum ID: 218568624 Top Depth(m): Bottom Depth(m): 15.2 Stratum Desc: Grey Stiff to Very Stiff Layered Silty Clay & Clayey Silt With: Si

ENE/253.0 90 1 of 1 66.3 / -2.97 **BORE** ON Borehole ID: 801011 Type: Borehole Geotechnical/Geological Investigation Status:: Use: Drill Method:: Hollow stem auger UTM Zone:: 18 5028853.81 Easting:: 446590.28

Municipality:

Static Water Level::

Sec. Water Use::

Northing:: Location Accuracy:: Orig. Ground Elev m:: 67 Elev. Reliability Note:: **DEM Ground Elev m::** 65.6 6.9 BH 4 Total Depth m:: Primary Name:: Concession::

Township:: Lot::

Completion Date:: 19-JAN-1979

Primary Water Use::

--Details--

Stratum ID: 218566382 Top Depth(m): 0.0

Bottom Depth(m): 3.1 Stratum Desc: Brown Loose Fill-Misc sand silt

218566383 Stratum ID: Top Depth(m):

Bottom Depth(m): Stratum Desc: Brown Loose Silt - Sand 4.4

218566384 Stratum ID: Top Depth(m):

Bottom Depth(m): 6.9 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty

Clay

Order No: 20180911009

-999.9

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
91	1 of 37	NNW/254.4	70.9 / 1.61	474 Elgin Street Ottawa ON K2P 2J6	CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client City:: Client Posta Project Desc	Year: pe: Type: :: ess:: I Code:: cription::	111 Lisgar Street Ottawa K1P 2L7	Regional Municipality of the second of the s	of Ottawa-Carleton sound attenuating enclosure to be used for emergency purpose	es over
<u>91</u>	2 of 37	NNW/254.4	70.9 / 1.61	City of Ottawa 474 Elgin Street Ottawa ON K2P 2J6	CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client Addre Client City:: Client Posta Project Desc Contaminan Emission Co	Year: pe: Type: :: ess:: I Code:: cription:: ts::	1977-6JZLJ2 2005 12/15/2005 Air Approved			
<u>91</u>	3 of 37	NNW/254.4	70.9 / 1.61	R.M. OF OTTAWA-CARLETON, PLANNING & DEV. 474 ELGIN ST., O-C REG. POLICE OTTAWA CITY ON K2P 2J6	CA
Certificate # Application Issue Date: Approval Ty Status: Application Client Name Client City::	Year: pe: Type: :: ess::	8-4105-97- 97 2/13/1998 Industrial air			
Client Posta Project Desc Contaminan Emission Co	cription:: ts::	FORENSIC LABOR Acetone, Acetic Aci Compounds Panel Filter		e (Butanone), Ethyl Alcohol,Denat,D, Methyl Alcohol, Other Org	anic
<u>91</u>	4 of 37	NNW/254.4	70.9 / 1.61	CITY OF OTTAWA 474 ELGIN ST OTTAWA ON K2P 2J6	CFOT

Order No: 20180911009

Licence No: Letter Sent:

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

Registration No: Posse File No:

Posse Reg No:

Double Wall UST Tank Type: Instance Number: 64509912 FS Fuel Oil Tank Facility Type: Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil

Fiberglass (FRP)

Tank Material: Tank Age (as of

Distributor:

05/1992): Tank Size: 25000

Fiberglass **Corrosion Protection:** Province: ON 4382 Nbr:

Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal:

474 ELGIN ST Tank Address:

Rideau Valley

Ottawa

Ottawa

Ottawa

Order No: 20180911009

-75.68674

45.412262

ECA

Comments:

NNW/254.4 70.9 / 1.61 91 5 of 37 City of Ottawa

474 Elgin Street Ottawa ON K2G 6J8

1977-6JZLJ2 Approval No: SWP Area Name: Approval Date: 2005-12-15 **MOE District:** Approved Status: City: Record Type: ECA Longitude: IDS Link Source: Latitude:

ECA-AIR Approval Type: Project Type: AIR

474 Elgin Street Address:

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2491-6HZMB7-14.pdf

91 6 of 37 NNW/254.4 70.9 / 1.61 City of Ottawa **ECA** 474 Elgin St

Ottawa ON K1P 1J1

Approval No: 4942-8NNLMR SWP Area Name: Rideau Valley Approval Date: 2011-12-12 **MOE District:** Ottawa Status: Approved City: Ottawa -75.68674 Record Type: **ECA** Longitude: **IDS** 45.412262 Link Source: Latitude:

Approval Type: **ECA-AIR** Project Type: AIR Address: 474 Elgin St

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0654-8LBH9Q-14.pdf

City of Ottawa 91 7 of 37 NNW/254.4 70.9 / 1.61 **ECA**

474 Elgin St Ottawa ON K2P 2J6

Longitude:

Latitude:

Approval No: 4942-8NNLMR SWP Area Name: Approval Date: 12/12/2011 MOE District: City:

Approved Status: Record Type:

Link Source: Approval Type: Project Type:

Address: Full Address:

Air/Noise

erisinfo.com | Environmental Risk Information Services

Full PDF Link:

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) The Regional Municipality of Ottawa-Carleton 8 of 37 NNW/254.4 70.9 / 1.61 91 **ECA** 474 Elgin Street Ottawa ON K2P 2L7 2866-4FRHD6 Rideau Valley Approval No: SWP Area Name: **MOE District:** Approval Date: 2000-01-24 Ottawa Status: Revoked and/or Replaced Ottawa City: Record Type: **ECA** Longitude: -75.68674 45.412262 IDS Link Source: Latitude: ECA-AIR Approval Type: Project Type: AIR Address: 474 Elgin Street Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5283-4ESQ5Y-14.pdf 91 9 of 37 NNW/254.4 70.9 / 1.61 CITY OF OTTAWA **FST** 474 ELGIN ST OTTAWA ON K2P 2J6 Instance No: 10902744 Cont Name: Instance Type: FS Liquid Fuel Tank Gasoline Fuel Type: Status: Active Capacity: 9000 Tank Material: Steel Impressed Current Corrosion Protection: Single Wall UST Tank Type: Install Year: Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank NNW/254.4 CITY OF OTTAWA 10 of 37 70.9 / 1.61 91 **FST** 474 ELGIN ST OTTAWA ON K2P 2J6 Instance No: 10902727 Cont Name: FS Liquid Fuel Tank Instance Type: Fuel Type: Gasoline Status: Active 22500 Capacity: Tank Material: Steel **Corrosion Protection:** Impressed Current Single Wall UST Tank Type: Install Year: 1982 Fuels Safety Private Fuel Outlet - Self Serve Parent Facility Type: Facility Type: FS Liquid Fuel Tank NNW/254.4 70.9 / 1.61 CORP CITY OF OTTAWA 91 11 of 37

91 17 07 37 NNW/254.4 70.97 1.01 CORP CITY OF OTTAWA 474 ELGIN OTTAWA ON K2P 2J6

Order No: 20180911009

License Issue Date:6/4/1990Tank Status:LicensedTank Status As Of:December 2008Operation Type:Private Fuel OutletFacility Type:Gasoline Station - Self Serve

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

--Details--

Status: Active Year of Installation: 1982

Corrosion Protection:

Capacity: 22500

Liquid Fuel Single Wall UST - Gasoline Tank Fuel Type:

Active Status: Year of Installation: 1982

Corrosion Protection:

9000 Capacity:

Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

12 of 37 NNW/254.4 70.9 / 1.61 **CORP CITY OF OTTAWA** 91 **FSTH** 474 ELGIN

OTTAWA ON K2P 2J6

License Issue Date: 6/4/1990 Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet

Gasoline Station - Self Serve Facility Type:

--Details--

Status: Active Year of Installation: 1982 **Corrosion Protection:**

22500 Capacity:

Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Active Status: Year of Installation: 1982

Corrosion Protection:

Capacity: 9000

Liquid Fuel Single Wall UST - Gasoline Tank Fuel Type:

13 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa 91 **GEN** 474 Elgin St. Ottawa ON K1G 6H5

PO Box No.:

Choice of Contact:

Phone No. Admin:

Canada

CO_OFFICIAL

613-580-2424 Ext.23656

Order No: 20180911009

Wally Watt

Country:

Co Admin:

Generator No.: ON8585320

Status:

2014 Approval Years: Contam. Facility: No MHSW Facility: No 913150 SIC Code:

913150 SIC Description:

--Details--

Waste Code:

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 221

LIGHT FUELS Waste Description:

Waste Code: 252

WASTE OILS & LUBRICANTS Waste Description:

Waste Code:

Waste Description: WASTE COMPRESSED GASES

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

(m)

148 Waste Code:

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code:

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code:

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 312

PATHOLOGICAL WASTES Waste Description:

Waste Code:

ALKALINE WASTES - OTHER METALS Waste Description:

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 113

Waste Description: ACID WASTE - OTHER METALS

Waste Code:

Waste Description: PETROLEUM DISTILLATES

91 14 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa **GEN** 474 Elgin St.

Ottawa ON K1G 6H5

Country:

Co Admin:

PO Box No.:

Choice of Contact:

Phone No. Admin:

Canada

CO_OFFICIAL Wally Watt

613-580-2424 Ext.23656

Order No: 20180911009

ON8585320 Generator No.:

Status: Approval Years: 2015 Contam. Facility: Νo MHSW Facility: No

SIC Code: 913150

SIC Description: 913150

--Details--

Waste Code:

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code:

ORGANIC LABORATORY CHEMICALS Waste Description:

Waste Code:

LIGHT FUELS Waste Description:

Waste Code: 213

PETROLEUM DISTILLATES Waste Description:

145 Waste Code:

PAINT/PIGMENT/COATING RESIDUES Waste Description:

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code:

Waste Description: ACID WASTE - OTHER METALS

Waste Code:

ALKALINE WASTES - OTHER METALS Waste Description:

Waste Code:

PATHOLOGICAL WASTES Waste Description:

Map Key Number of Direction/ Elev/Diff Site DB

Waste Code: 146

Records

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

91 15 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa 474 Elgin St. GEN

Ottawa ON K1G 6H5

Order No: 20180911009

Generator No.: ON8585320 PO Box No.:

Distance (m)

Status:Country:CanadaApproval Years:2016Choice of Contact:CO_OFFICIALContam. Facility:NoCo Admin:Wally WattMHSW Facility:NoPhone No. Admin:613-580-2424 Ext.23656

(m)

 SIC Code:
 913150

 SIC Description:
 913150

--Details--

Waste Code: 221

Waste Description: LIGHT FUELS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

Waste Code: 122

Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 113

Waste Description: ACID WASTE - OTHER METALS

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

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

91 16 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa 474 Elgin St. GEN

Ottawa ON

Generator No.: ON8585320 PO Box No.: Status: Country:

Approval Years: 2013 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No. Admin:

SIC Code: 913150 SIC Description:

--Details--

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221

Waste Description: LIGHT FUELS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 122

Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 25°

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 113

Waste Description: ACID WASTE - OTHER METALS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

91 17 of 37 NNW/254.4 70.9 / 1.61 OTTAWA, CORPORATION(SEE & USE ON0303131)

474 ELGIN STREET OTTAWA ON K2P 2J6

Generator No.: ON0136209 PO Box No.: Status: Country:

Approval Years: 02,03,04 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No. Admin:

SIC Code: SIC Description:

Order No: 20180911009

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

--Details--

Waste Code:

Waste Description: ALIPHATIC SOLVENTS

Waste Code:

PETROLEUM DISTILLATES Waste Description:

Waste Code:

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264

PHOTOPROCESSING WASTES Waste Description:

91 18 of 37 NNW/254.4 70.9 / 1.61 OTTAWA, CITY OF - POLICE STATION 29-232 GEN **474 ELGIN STREET**

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

OTTAWA ON K2P 2J6

ON0136209 Generator No.: Status:

Approval Years:

94,95,96

Contam. Facility: MHSW Facility:

8323 SIC Code:

SIC Description: POLICE SERVICES

--Details--

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code:

Waste Description: PETROLEUM DISTILLATES

Waste Code: 252

WASTE OILS & LUBRICANTS Waste Description:

Waste Code:

Waste Description: PHOTOPROCESSING WASTES

91 19 of 37 NNW/254.4 70.9 / 1.61 Ottawa Police Service **GEN**

474 Elgin Street P.O. Box 9634 Station T

PO Box No.: Country:

Co Admin:

Choice of Contact:

Phone No. Admin:

GEN

Order No: 20180911009

Ottawa ON K2P 2J6

Generator No.: ON7412358 Status:

Approval Years: 2011

Contam. Facility: MHSW Facility:

SIC Code: 621110

SIC Description:

City Of Ottawa 91 20 of 37 NNW/254.4 70.9 / 1.61

474 Elgin St. Ottawa ON K2P 2J6

Generator No.: ON8585320 PO Box No.: Status: Country:

Approval Years: 2009 Choice of Contact: Co Admin: Contam. Facility: MHSW Facility: Phone No. Admin:

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

913150 SIC Code:

SIC Description: Municipal Regulatory Services

--Details--

Waste Code: 113

ACID WASTE - OTHER METALS Waste Description:

Waste Code:

Waste Description: ALKALINE WASTES - OTHER METALS

145 Waste Code:

PAINT/PIGMENT/COATING RESIDUES Waste Description:

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code:

INORGANIC LABORATORY CHEMICALS Waste Description:

Waste Code:

PETROLEUM DISTILLATES Waste Description:

Waste Code:

OIL SKIMMINGS & SLUDGES Waste Description:

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code:

Waste Description: PATHOLOGICAL WASTES

Waste Code:

21 of 37

WASTE COMPRESSED GASES Waste Description:

NNW/254.4 70.9 / 1.61 OTTAWA, CITY OF - POLICE STATION DEPARTMENT OF PHYSICAL ENVIRONMENT

474 ELGIN STREET

GEN

Order No: 20180911009

OTTAWA ON K2P 2J6

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

Generator No.: ON0136209

Status: Approval Years:

91

86,87,88,89,90

Contam. Facility: MHSW Facility:

SIC Code:

8323

SIC Description: POLICE SERVICES

--Details--

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

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

OTTAWA, (SEE & USE ON0303131) 22 of 37 NNW/254.4 70.9 / 1.61

474 ELGIN STREET OTTAWA ON K2P 2J6 **GEN**

Order No: 20180911009

Generator No.: ON0136209 PO Box No.:

Status: Country: Approval Years: 97,98 Choice of Contact: Co Admin: Contam. Facility: MHSW Facility: Phone No. Admin:

SIC Code: 8323

SIC Description: POLICE SERVICES

--Details--

91

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213

PETROLEUM DISTILLATES Waste Description:

252 Waste Code:

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

91 23 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa **GEN** 474 Elgin St. Ottawa ON K2P 2J6

PO Box No.:

ON8585320 Generator No.:

Status:

Country: Approval Years: 02,03,04,05,06,07,08 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin: SIC Code:

SIC Description:

--Details--

263 Waste Code:

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code:

Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code:

Waste Description: ACID WASTE - OTHER METALS

Waste Code:

Waste Description: ORGANIC LABORATORY CHEMICALS

213 Waste Code:

PETROLEUM DISTILLATES Waste Description:

Waste Code:

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code:

INORGANIC LABORATORY CHEMICALS Waste Description:

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

Waste Code: 251

Waste Description: **OIL SKIMMINGS & SLUDGES**

Waste Code:

Waste Description: WASTE OILS & LUBRICANTS

Waste Code:

PATHOLOGICAL WASTES Waste Description:

Waste Code: 331

WASTE COMPRESSED GASES Waste Description:

24 of 37 NNW/254.4 City Of Ottawa 91 70.9 / 1.61 **GEN** 474 Elgin St.

Ottawa ON K2P 2J6

Co Admin:

Phone No. Admin:

Order No: 20180911009

ON8585320 Generator No.: PO Box No.: Status: Country: Approval Years: 2011 Choice of Contact:

Contam. Facility:

MHSW Facility:

913150 SIC Code:

SIC Description: Municipal Regulatory Services

--Details--

Waste Code:

OIL SKIMMINGS & SLUDGES Waste Description:

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code:

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 122

ALKALINE WASTES - OTHER METALS Waste Description:

Waste Code:

LIGHT FUELS Waste Description:

Waste Code:

PETROLEUM DISTILLATES Waste Description:

Waste Code: 331

WASTE COMPRESSED GASES Waste Description:

Waste Code:

ORGANIC LABORATORY CHEMICALS Waste Description:

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code:

ACID WASTE - OTHER METALS Waste Description:

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

91 25 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa GEN

474 Elgin St. Ottawa ON K2P 2J6

 Generator No.:
 ON8585320
 PO Box No.:

 Status:
 Country:

 Approval Years:
 2010
 Choice of Co.

Approval Years:2010Choice of Contact:Contam. Facility:Co Admin:MHSW Facility:Phone No. Admin:

SIC Code: 913150

SIC Description: Municipal Regulatory Services

--Details--

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 221

Waste Description: LIGHT FUELS

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 122

Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 113

Waste Description: ACID WASTE - OTHER METALS

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

91 26 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa 474 Elgin St. GEN

Ottawa ON K1G 6H5

Order No: 20180911009

Generator No.:ON8585320PO Box No.:9634 STN TStatus:RegisteredCountry:Canada

Approval Years:As of Dec 2017Choice of Contact:Contam. Facility:Co Admin:MHSW Facility:Phone No. Admin:SIC Code:

SIC Code: SIC Description:

--Details--

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

Waste Code: 221 L
Waste Description: Light fuels

Waste Code: 145 l

Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 146 T

Waste Description: Other specified inorganic sludges, slurries or solids

Waste Code: 252 L

Waste Description: Waste crankcase oils and lubricants

Waste Code: 251 L

Waste Description: Waste oils/sludges (petroleum based)

Waste Code: 112 C

Waste Description: Acid solutions - containing heavy metals

Waste Code: 312 P

Waste Description: Pathological wastes

Waste Code: 221 I
Waste Description: Light fuels

Waste Code: 122 C

Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Code: 113 C

Waste Description: Acid solutions - containing other metals and non-metals

Waste Code: 148 L

Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 148 A

Waste Description: Misc. wastes and inorganic chemicals

Waste Code: 213 L

Waste Description: Petroleum distillates

Waste Code: 145 L

Waste Description: Wastes from the use of pigments, coatings and paints

Waste Code: 331

Waste Description: Waste compressed gases including cylinders

Waste Code: 213 I

Waste Description: Petroleum distillates

Waste Code: 263 l

Waste Description: Misc. waste organic chemicals

Waste Code: 263 C

Waste Description: Misc. waste organic chemicals

91 27 of 37 NNW/254.4 70.9 / 1.61 OTTAWA, CORPORATION

474 ELGIN STREET OTTAWA ON K2P 2J6 **GEN**

Order No: 20180911009

Generator No.: ON0136209 PO Box No.: Status: Country:

05,06 Choice of Contact:

Contam. Facility: Co Admin:

MHSW Facility: Phone No. Admin: SIC Code: 913130

Approval Years:

Map Key Number of Direction/ Elev/Diff Site DB

SIC Description: Municipal Police Services

--Details--

Waste Code: 212

Records

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

91 28 of 37 NNW/254.4 70.9 / 1.61 CITY OF OTTAWA OTTAWA-CARLETON POLICE SERVICES 474

ELGIN STREET

Order No: 20180911009

OTTAWA ON K2P 2J6

Generator No.: ON0303131 PO Box No.: Status: Country:

Distance (m)

Approval Years: 02,03,04 Choice of Contact:
Contam. Facility: Co Admin:
MHSW Facility: Phone No. Admin:

SIC Code: SIC Description:

--Details--

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211

Waste Description: AROMATIC SOLVENTS

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 241

Waste Description: HALOGENATED SOLVENTS

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Map Key Number of Direction/ Elev/Diff Site DB

Records L
Waste Code: 267

Waste Description: ORGANIC ACIDS

91 29 of 37 NNW/254.4 70.9 / 1.61 OTTAWA-CARLETON, REGIONAL MUNICIPALITY
GEN

474 ELGIN STREET OTTAWA ON K2P 2J6

Generator No.: ON0303131 PO Box No.:

Distance (m)

Status:
Approval Years: 97

Country:
97 Choice of Contact:
Co Admin:
Phone No. Admin:

(m)

SIC Code: 8323

SIC Description: POLICE SERVICES

--Details--

Contam. Facility:

MHSW Facility:

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211

Waste Description: AROMATIC SOLVENTS

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 241

Waste Description: HALOGENATED SOLVENTS

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Waste Code: 267

Waste Description: ORGANIC ACIDS

91 30 of 37 NNW/254.4 70.9 / 1.61 City Of Ottawa 474 Elgin St.

Ottawa ON K2P 2J6

Order No: 20180911009

Generator No.: ON8585320 PO Box No.:

Status: Country: Approval Years: 2012 Choice of Contact:

Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

SIC Code: 913150

SIC Description: Municipal Regulatory Services

<u>--Details--</u> Waste Code: 263

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

(m)

ORGANIC LABORATORY CHEMICALS Waste Description:

Waste Code:

Waste Description: ACID WASTE - OTHER METALS

Waste Code: 146

Waste Description: OTHER SPECIFIED INORGANICS

Waste Code:

Waste Description: PETROLEUM DISTILLATES

Waste Code:

WASTE OILS & LUBRICANTS Waste Description:

Waste Code:

INORGANIC LABORATORY CHEMICALS Waste Description:

Waste Code:

PATHOLOGICAL WASTES Waste Description:

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code:

Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code:

Waste Description: LIGHT FUELS

Waste Code: 331

Waste Description: WASTE COMPRESSED GASES

Waste Code:

ALKALINE WASTES - OTHER METALS Waste Description:

91 31 of 37 NNW/254.4 70.9 / 1.61 OTTAWA, CITY OF - POLICE STATION **GEN 474 ELGIN STREET**

OTTAWA ON K2P 2J6

Order No: 20180911009

Choice of Contact:

Phone No. Admin:

Co Admin:

ON0136209 Generator No.: PO Box No.: Status: Country:

Approval Years:

92,93

Contam. Facility: MHSW Facility:

SIC Code: 8323

SIC Description: POLICE SERVICES

--Details--

Waste Code:

PHOTOPROCESSING WASTES Waste Description:

Waste Code:

ALIPHATIC SOLVENTS Waste Description:

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS Map Key Number of Direction/ Elev/Diff Site DB Records Distance (m) (m)

91 32 of 37 NNW/254.4 70.9 / 1.61 OTTAWA-CARLTON, REGIONAL MUNICIPALITY

OF

474 ELGIN STREET OTTAWA ON K2P 2J6 **GEN**

Generator No.: ON0303131 PO Box No.: Status: Country: Approval Years: 98 Choice of Contact:

Co Admin: Phone No. Admin:

MHSW Facility: SIC Code: 8323

SIC Description: POLICE SERVICES

--Details--

Contam. Facility:

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 148

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211

Waste Description: AROMATIC SOLVENTS

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 241

Waste Description: HALOGENATED SOLVENTS

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 264

Waste Description: PHOTOPROCESSING WASTES

Waste Code: 267

Waste Description: ORGANIC ACIDS

91 33 of 37 NNW/254.4 70.9 / 1.61 OTTAWA-CARLTON, REGIONAL MUNICIPALITY
GEN

OTTAWA-CARLETON POLICE SERVICES 474

Order No: 20180911009

ELGIN STREET OTTAWA ON K2P 2J6

PO Box No.:

OTTAWA ON K2P 2

Status: Approval Years: 99,00,01

ON0303131

99,00,01 Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

SIC Code: 8323

SIC Description: POLICE SERVICES

<u>--Details--</u> Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Generator No.:

Contam. Facility: MHSW Facility:

Number of Elev/Diff Site DΒ Map Key Direction/ Records Distance (m) 146 Waste Code: Waste Description: OTHER SPECIFIED INORGANICS Waste Code: Waste Description: INORGANIC LABORATORY CHEMICALS Waste Code: AROMATIC SOLVENTS Waste Description: Waste Code: 212 ALIPHATIC SOLVENTS Waste Description: Waste Code: 213 PETROLEUM DISTILLATES Waste Description: Waste Code: 241 Waste Description: HALOGENATED SOLVENTS 252 Waste Code: Waste Description: WASTE OILS & LUBRICANTS Waste Code: Waste Description: ORGANIC LABORATORY CHEMICALS Waste Code: 264 PHOTOPROCESSING WASTES Waste Description: Waste Code: **ORGANIC ACIDS** Waste Description: NNW/254.4 70.9 / 1.61 **CORP CITY OF OTTAWA** 91 34 of 37 PRT 474 ELGIN OTTAWA ON K2P 2J6 Location ID: 10936 private Type: Expiry Date: Capacity (L): 31500.00 Licence #: 0001023522 35 of 37 NNW/254.4 70.9 / 1.61 **OTTAWA POLICE** 91 **SPL** 474 ELGIN ST. STORAGE TANK 474 ELGIN STREET OTTAWA CITY ON K2P 2J6 Ref No: 66935 Discharger Report: Site No: Material Group: Incident Dt: // Client Type: Sector Type: Year: Incident Cause: CONTAINER OVERFLOW Source Type: Nearest Watercourse: Incident Event: Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Site Region: Contaminant Qty: **Environment Impact: NOT ANTICIPATED** Site Municipality: 20101

Site Lot:

Site Conc:

Northing:

Order No: 20180911009

Easting:

Soil Contamination

LAND

Nature of Impact:

Receiving Env:

Receiving Medium:

Health/Env Conseq:

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

MOE Response:

Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: 2/11/1992 MOE Reported Dt: Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class:

Incident Reason: **ERROR**

OTTAWA POLICE: 70L WASTE OIL OVERFLOW FROM STORAGETANK TO GROUND Incident Summary:

91 36 of 37 NNW/254.4 70.9 / 1.61 City of Ottawa SPL 474 Elgin St

Ottawa ON

Site Name:

Site Address:

Site Region:

Site Lot:

Site Conc:

Northing:

Easting:

Nearest Watercourse:

Site District Office:

Site Postal Code:

Site Municipality:

Site Geo Ref Accu:

Site Geo Ref Meth:

Site Map Datum:

Site County/District:

Ottawa Police<UNOFFICIAL>

SPL

Order No: 20180911009

474 Elgin St

Ottawa

5444-9N52BW Ref No: Discharger Report: Material Group: Site No: NA Incident Dt: 2014/08/18 Client Type: Year:

Motor Vehicle Sector Type: Incident Cause: Source Type: Collision/Accident

Incident Event: Contaminant Code:

Contaminant Name: ETHYLENE GLYCOL (ANTIFREEZE)

Contaminant Limit 1:

Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty: 0 other - see incident description

Environment Impact: Not Anticipated

Nature of Impact: Surface Water Pollution Receiving Medium:

Receiving Env: Health/Env Conseq:

MOE Response: No Field Response

Dt MOE Arvl on Scn:

2014/08/18 **MOE** Reported Dt: Dt Document Closed: 2014/11/21

Agency Involved:

SAC Action Class: Watercourse Spills Unknown / N/A Incident Reason:

Incident Summary: Ottawa Police, radiator fluid to cb, cnt

37 of 37 NNW/254.4 91 70.9 / 1.61 **PUC**

STATION STORAGE TANK

OTTAWA CITY ON K2P 2J6

AT 474 ELGIN ST. AT THE OTTAWA POLICE

Ref No: 106798 Discharger Report: Site No: Material Group: Incident Dt: 10/28/1994 Client Type: Year: Sector Type:

UNDERGROUND TANK LEAK Source Type: Incident Cause: Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

Site Municipality: **Environment Impact: POSSIBLE** 20101

Nature of Impact: Soil contamination Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing:

Health/Env Conseq: FIRE, POLICE Easting:

MOE Response: Site Geo Ref Accu:

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

Site Map Datum:

Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: Dt Document Closed: Agency Involved: SAC Action Class:

CORROSION Incident Reason:

10/28/1994

Incident Summary: OTTAWA POLICE DEPT. - GASOLINE TO GROUND FROMUNDERGROUND STORAGE TANK.

92 1 of 1 SSW/256.5 68.2 / -1.02 **BORE** ON

Borehole ID: 613164 **Borehole** Type:

Use:

Status::

Drill Method:: UTM Zone:: 18 Easting:: 446291 Northing:: 5028462 Location Accuracy:: Orig. Ground Elev m:: 66.4 DEM Ground Elev m:: 66.5

Elev. Reliability Note:: Total Depth m:: 3.7 Township::

Primary Name:: Concession:: Municipality:

Lot:: Completion Date:: AUG-1967 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218393970 Top Depth(m): 0.0

UNSPECIFIED. Bottom Depth(m): 0.3 Stratum Desc:

218393971 Stratum ID: Top Depth(m): 0.3

Bottom Depth(m): 1.8 Stratum Desc: ARTIFICIAL.

218393972 Top Depth(m): Stratum ID:

Bottom Depth(m): Stratum Desc: CLAY. GREY, HARD. 3.4

Stratum ID: 218393973 Top Depth(m):

CLAY. GREY, VERY SOFT. FF. SILT. SOFT. Stratum Desc: Bottom Depth(m): 3.7

CLAY. GREY, STIFF. SAND-FINE. DENSE.

Order No: 20180911009

SAND-FINE. VE

1 of 1 NNE/256.6 68.5 / -0.79 93 **BORE** ON

Borehole ID: 613233 Type: Borehole

Use. Status::

Drill Method:: UTM Zone:: 18 5029002 446421 Northing:: Easting:: 70.7 Location Accuracy:: Orig. Ground Elev m:: 66.2

Elev. Reliability Note:: DEM Ground Elev m:: Total Depth m:: -999 Primary Name::

Township:: Concession:: Municipality: Lot::

SEP-1933 Static Water Level:: Completion Date:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218394252 Top Depth(m): 0.0

Bottom Depth(m): 0.3 Stratum Desc: SAND. LOOSE.

218394253 0.3 Stratum ID: Top Depth(m):

Bottom Depth(m): 1.8 Stratum Desc: CLAY. COMPACT.

Stratum ID: 218394254 1.8 Top Depth(m):

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB		
Bottom Depth(m):		5.5			Stratum Desc:	CLAY. GREY,FIRM.		
Stratum ID: Bottom Dept	h(m):	218394255 13.4			Top Depth(m): Stratum Desc:	5.5 CLAY. BLUE,FIRM.		
Stratum ID: Bottom Dept	h(m):	218394256			Top Depth(m): Stratum Desc:	13.4 SAND,SILT. LOOSE. D. LOOSE. STIFF. SILT. GREY,COMPACT. 0000001700060013001500030049000		
94	1 of 1	ı	N/259.9	70.8 / 1.57	ON	BORE		
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabi	: curacy::	806278 Geotechnica Hollow stem 446319.18	al/Geological Inve auger	stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m::	Borehole 18 5029010.84 69.6 68.5		

Elev. Reliability Note:: Primary Name:: Total Depth m:: 14.9 BH 80-4 Township:: Concession:: Lot:: Municipality:

Completion Date:: 10-DEC-1980 Static Water Level:: -999.9 Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 218588287 Top Depth(m):

Bottom Depth(m): 1.5 Stratum Desc: Brown Fill-Misc Sand Trace: Gr

Stratum ID: 218588288 Top Depth(m): 1.5 Stratum Desc: Bottom Depth(m): 2.4 Void

Stratum ID: 218588289 Top Depth(m): 2.4 Brown Fill-Misc Sand Bottom Depth(m): 3.0 Stratum Desc:

Stratum ID: 218588290 Top Depth(m): 3.0 Stratum Desc: Concrete Bottom Depth(m): 3.3

218588291 Stratum ID: Top Depth(m): 3.3 Stratum Desc: 4.6

Brown Very Stiff Weathered Crust Silty Clay Bottom Depth(m):

218588292 Stratum ID: Top Depth(m): Bottom Depth(m): 11.9 Stratum Desc: Grey Stiff Silty Clay

218588293 Stratum ID: Top Depth(m): 11.9

Stratum Desc: Dark Grey Firm clay silt With: Org M Bottom Depth(m): 14.9

95 1 of 7 NW/260.8 71.3 / 2.04 Centretown Citizens Ottawa Corporation CA 424 Metcalfe St Ottawa ON K2P 2C3

Order No: 20180911009

Certificate #: 7741-7VHJ3F 2009 Application Year: Issue Date: 10/8/2009

Approval Type: Municipal and Private Sewage Works

Status: Approved

Application Type: Client Name:: Client Address:: Client City:: Client Postal Code::

DΒ Map Key Number of Direction/ Elev/Diff Site Records Distance (m) (m) Project Description:: Contaminants:: **Emission Control::** 95 2 of 7 NW/260.8 71.3 / 2.04 Centretown Citizens Ottawa Corporation CA 424 Metcalfe St Ottawa ON K2P 2C3 Certificate #: 0326-84NMNL Application Year: 2010 4/22/2010 Issue Date: Approval Type: Air Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::** Centretown Citizens Ottawa Corporation 95 3 of 7 NW/260.8 71.3 / 2.04 CA 424 Metcalfe St Ottawa ON K2P 2C3 Certificate #: 1655-7QUQFR 2009 Application Year: Issue Date: 8/4/2009 Municipal and Private Sewage Works Approval Type: Status: Revoked and/or Replaced Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::** NW/260.8 71.3 / 2.04 **CENTRETOWN CITIZENS OTTAWA** 95 4 of 7 **EASR CORPORATION** 105 CATHERINE STREET OTTAWA ON K2P 1C3 R-002-1000000425 Approval No: SWP Area Name: MOE District: Status: REGISTERED Date: 2012-01-25 City: **OTTAWA**

 Date:
 2012-01-25
 City:
 OTTAWA

 Record Type:
 EASR
 Latitude:
 0

 Link Source:
 MOFA
 Longitude:
 0

Full Address:

Project Type:Standby Power SystemApproval Type:EASR-Standby Power System

Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=635

95 5 of 7 NW/260.8 71.3 / 2.04 City of Ottawa 105 Catherine Street Ottawa ON K2G 6J8

Order No: 20180911009

Elev/Diff Site DΒ Map Key Number of Direction/ (m)

Records Distance (m)

0761-5WHMAE Rideau Valley Approval No: SWP Area Name: Approval Date: 2004-03-08 **MOE District:** Ottawa Status: Approved City: Ottawa

-75.6884599999999 Record Type: ECA Longitude: Link Source: IDS Latitude: 45.4115199999999

ECA-INDUSTRIAL SEWAGE WORKS Approval Type: Project Type: INDUSTRIAL SEWAGE WORKS

105 Catherine Street Address: Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1421-5V5KXB-14.pdf

6 of 7 NW/260.8 71.3 / 2.04 95 424 Metcalfe Street **EHS** Ottawa ON K2P 2C3

Order ID: 50420 Date Received: 3/17/2005

Order No: 20050317007 Lot/Building Size: Customer ID: 38648 Municipality: Company ID: Client Prov/State: ON 333 Status: С Search Radius (km): 0.25 Report Code: 3CAN 2 Large Radius:

Report Type: X: -75.687895 3/25/2005 Y: Report Date: 45.411874

Report Requested by: AMEC Earth & Environmental Limited

Nearest Intersection: Previous Site Name: Additional Info Ordered:

> 95 7 of 7 NW/260.8 71.3 / 2.04 Centretown Citizens Ottawa Corporation **RSC** 424 METCALFE ST, OTTAWA, ON, K2P 2C3

> > OTTAWA ON K2P 2C3

Reg No: 56515 Cert Date: 10-Jun-09

No CPU RA No: Cert Prop Use No: Residential RSC Type: Intended Prop Use:

Curr Property Use: Commercial Nm of Qual. Person: Ms. Kim Menard

District Office: **OTTAWA** Stratified (Y/N): Date Submitted: 28-Oct-09 Audit (Y/N):

Entire Leg Prop. (Y/N): Date Ack: Yes

Date Returned: Accuracy Estimate: 11 to 20 meters Restoration Type: Telephone: 613-2344065x242

Soil Type: Fax: Criteria: Email: projects@ccochousing.org

CPU Issued Sect No

1686:

Asmt Roll No: 0614042 - 201420000000

Prop. ID No: 04123-0054 LT

Property Municipal Address: 424 METCALFE ST, OTTAWA, ON, K2P 2C3 P.O. Box 2787, Stn. D, Ottawa, Ontario, K1P 5W8 Mailing Address:

Latitude & Latitude: 45.41166670N 75.68777780W

UTM Coordinates: NAD83 18-446182-5028913 (converted from Latitude & Longitude)

Consultant: Filing Owner:

Lots 6, 7 and 8, South Argyle Avenue, Plan 30, Part of Lots 6, 7 and 8, North Catherine Street, Plan 30 and Part of Legal Desc:

Lots 11 and 12, West Metcalfe Street, Plan 30, Designated as Part 1 on 4R-19596, City of Ottawa and Part of Lots

Order No: 20180911009

6, 7 and 8, North Catherine Street, Plan 30, Designated as Part 4 on 4R-19596, City of Ottawa

Measurement Method: Digitized from a satellite image

Full Depth Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for Applicable Standards:

Residential/Parkland/Institutional property use

RSC PDF:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) 71.3 / 2.04 NW/262.1 **CENTRETOWN CITIZENS OTTAWA** 1 of 4

CORPORATION 424 METCALFE ST OTTAWA ON K2P 1C3 **EASR**

ECA

Order No: 20180911009

Approval No: R-002-1000000228 SWP Area Name: REGISTERED **MOE District:** Status:

2011-12-16 **OTTAWA** Date: Citv:

Record Type: Latitude: EASR Link Source: **MOFA** Longitude: Full Address:

Standby Power System Project Type: Approval Type: EASR-Standby Power System

Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=466

96 2 of 4 NW/262.1 71.3 / 2.04 Centretown Citizens Ottawa Corporation

424 Metcalfe St Ottawa ON

1655-7QUQFR SWP Area Name: Approval No: Approval Date: 2009-08-04 MOE District:

Status: Revoked and/or Replaced Ottawa City:

ECA Record Type: Longitude: IDS Link Source: Latitude: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type:

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

Address: 424 Metcalfe St Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4112-7PNR67-14.pdf

96 3 of 4 NW/262.1 71.3 / 2.04 Centretown Citizens Ottawa Corporation **ECA**

424 Metcalfe St Ottawa ON

7741-7VHJ3F Approval No: SWP Area Name: 2009-10-08 Approval Date: **MOE District:**

Approved Status: City: Ottawa

Record Type: **ECA** Longitude: IDS Link Source: Latitude: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approval Type:

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS

424 Metcalfe St Address:

Full Address:

96

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6007-7V2QWE-14.pdf

4 of 4 NW/262.1 71.3 / 2.04 Centretown Citizens Ottawa Corporation 96 **ECA**

424 Metcalfe St Ottawa ON

0326-84NMNL SWP Area Name: Approval No: 2010-04-22 **MOE District:** Approval Date:

Status: Approved City: Ottawa

ECA Record Type: Longitude: **IDS** Latitude: Link Source:

Approval Type: **ECA-AIR** Project Type: AIR

Address: 424 Metcalfe St

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1309-7XFMM5-14.pdf

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

1 of 1 W/262.2 73.9 / 4.65 97 **BORE** ON

847402

Borehole ID: Type: Geotechnical/Geological Investigation Decommissioned Use: Status::

Drill Method:: UTM Zone:: **Boring** 18 5028742 Easting:: 446073 Northing:: Location Accuracy:: Orig. Ground Elev m:: 68.5

Elev. Reliability Note:: DEM Ground Elev m:: 71.7 Total Depth m:: 12.6 Primary Name::

NEPEAN BROKEN FRONT C Township:: Concession:: LOT F Municipality:

Lot:: Completion Date:: 27-MAR-1961 Static Water Level:: 1.7

Primary Water Use:: Sec. Water Use::

--Details--6557332 Stratum ID: Top Depth(m): 0.0

Bottom Depth(m): Stratum Desc: FILL (SAND, ASHES, CINDERS, ETC) 1.5

6557333 Top Depth(m): Stratum ID:

Bottom Depth(m): 3.0 Stratum Desc: CLAY, BROWNISH GREY FISSURED WITH A

LITTLE SILT, HIGH PLASTICITY, HARD (CH)

6557334 Stratum ID: Top Depth(m):

Bottom Depth(m): 4.6 Stratum Desc: CLAY, BROWNISH GREY FISSURED WITH A

LITTLE SILT, HIGH PLASTICITY, VERY STIFF (CH)

Stratum ID: 6557335 Top Depth(m):

CLAY, GREY, SLIGHTLY FISSURED WITH Bottom Depth(m): Stratum Desc: 6.1

SOME SILT, HIGH PLASTICITY, STIFF TO

MEDIUM SOFT (CH)

Borehole

6557336 Stratum ID: Top Depth(m):

CLAY GREY WITH A LITTLE SILT AND SAND Bottom Depth(m): Stratum Desc: 7.6

HIGH PLASTICITY, STIFF

Order No: 20180911009

6557337 Stratum ID: Top Depth(m):

Bottom Depth(m): 10.7 Stratum Desc: CLAY GREY WITH SOME SILT MEDIUM

PLASTICITY, STIFF (CL)

6557338 Stratum ID: Top Depth(m):

12.6 Bottom Depth(m): Stratum Desc: SILT GREY LOW PLASTICITY MEDIUM SOFT

(ML)

70.9 / 1.61 1 of 1 NW/263.3 98 **BORE** ON

Status::

Borehole ID: 613226 Type: Borehole

Use.

Drill Method:: UTM Zone:: 18 5028962 446191 Northing:: Easting::

Orig. Ground Elev m:: Location Accuracy:: 69.2 Elev. Reliability Note:: DEM Ground Elev m:: 69.1 Total Depth m:: 35.7 Primary Name::

Concession:: Township:: Lot:: Municipality:

Completion Date:: OCT-1972 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

218394218 0.0 Stratum ID: Top Depth(m):

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Bottom Dept	th(m):	1.1			Stratum Desc:	ARTIFICIAL. BROWN,LOOSE.	
Stratum ID: Bottom Dept	th(m):	218394219 1.2			Top Depth(m): Stratum Desc:	1.1 ARTIFICIAL.	
Stratum ID: Bottom Dept	th(m):	218394220 5.2			Top Depth(m): Stratum Desc:	1.2 CLAY. BROWN,WEATHERED,HARD,S DESSICATED.	STIFF,
Stratum ID: Bottom Dept	th(m):	218394221 13.7			Top Depth(m): Stratum Desc:	5.2 CLAY. GREY,STIFF,FIRM.	
Stratum ID: Bottom Dept	th(m):	218394222 21.3			Top Depth(m): Stratum Desc:	13.7 CLAY. GREY,FIRM,STIFF.	
Stratum ID: Bottom Dept	th(m):	218394223 22.9			Top Depth(m): Stratum Desc:	21.3 SILT. GREY,VERY STIFF,LAYERED.	
Stratum ID: Bottom Dept	th(m):	218394224 35.7			Top Depth(m): Stratum Desc:	22.9 SILT. GREY,LOOSE. 00000008000350100004103000170000 0600700006007500060165 046 0019	
99	1 of 19		WSW/263.9	74.8 / 5.57	METCALFE REALTY O 150 ISABELLA ST OTTAWA ON K1S 1V7		EASR
Approval No. Status: Date: Record Type Link Source: Full Address Project Type Approval Typ Full PDF Link	o: : :: :: ::	E	ED eating System ASR-Heating Syst		SWP Area Name: MOE District: City: Latitude: Longitude: gov.on.ca/AEWeb/ae/ViewDoo	OTTAWA cument.action?documentRefID=1917	
99	2 of 19		WSW/263.9	74.8 / 5.57	METCALFE REALTY C 150 ISABELLA ST OTTAWA ON K1S 1V7	•	EASR
Approval No. Status: Date: Record Type Link Source: Full Address); ;	R-002-5202 REGISTER 2012-10-19 EASR MOFA	ED		SWP Area Name: MOE District: City: Latitude: Longitude:	OTTAWA	
Project Type Approval Typ Full PDF Lini	: pe:	E	tandby Power Sys ASR-Standby Pov ttp://www.accesse	ver System	gov.on.ca/AEWeb/ae/ViewDoo	cument.action?documentRefID=1914	
99	3 of 19		WSW/263.9	74.8 / 5.57	150 Isabella St Ottawa ON K1S1V7		EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code Report Type:	: :	401152 201505201 98167 77 C 4CAN Custom Rep			Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X:	20-MAY-15 ON .25 .3 -75.689002	

Order No: 20180911009

Number of Direction/ Elev/Diff Site DΒ Map Key

Y:

Records Distance (m) (m)

26-MAY-15 Report Date: Report Requested by: Pinchin Ltd

Nearest Intersection: Previous Site Name: Additional Info Ordered:

99 4 of 19 WSW/263.9 74.8 / 5.57 CANADA BORDER SERVICES AGENCY

45.409398

Canada

Canada

CO_OFFICIAL

CO_OFFICIAL

GEN

GEN

GEN

Order No: 20180911009

150 ISABELLA 7 TH FLOOR # 7029

OTTAWA ON K1A 0L8

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

ON7516207 Generator No.:

Status:

Approval Years: 2014 Contam. Facility: No

MHSW Facility: No SIC Code: 913150

913150 SIC Description:

--Details--

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 148

INORGANIC LABORATORY CHEMICALS Waste Description:

99 5 of 19 WSW/263.9 74.8 / 5.57 Capital Endodontics 150 Isabella Street suite 100

Ottawa ON K1S 1V7

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

ON3114467 Generator No.:

Status:

Approval Years: 2014 Contam. Facility: No MHSW Facility: No

SIC Code: 621210

SIC Description: OFFICES OF DENTISTS

--Details--

99

Waste Code:

Waste Description: PATHOLOGICAL WASTES

> 6 of 19 WSW/263.9 74.8 / 5.57

Metcalfe Realty Company Limited 150 Isabella Steet

Ottawa ON K1S 1V7

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

Generator No.: ON7510228 Status:

Approval Years: 07,08 Contam. Facility:

MHSW Facility:

SIC Code: 531310

SIC Description: Real Estate Property Managers

--Details--

Waste Code:

Waste Description: REACTIVE ANION WASTES

Waste Code: 212

Number of Direction/ Elev/Diff Site DΒ Map Key

ALIPHATIC SOLVENTS Waste Description:

Waste Code: 241

Records

HALOGENATED SOLVENTS Waste Description:

252 Waste Code:

Waste Description: WASTE OILS & LUBRICANTS

Waste Code:

Waste Description: ORGANIC LABORATORY CHEMICALS

Distance (m)

7 of 19 WSW/263.9 74.8 / 5.57 Capital Endodontics 99

150 Isabella Street suite 100

Canada

CO_OFFICIAL

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

GEN

GEN

Order No: 20180911009

Ottawa ON K1S 1V7

(m)

Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No

SIC Code: 621210

OFFICES OF DENTISTS SIC Description:

ON3114467

--Details--

Generator No.:

Waste Code: 312

Waste Description: PATHOLOGICAL WASTES

8 of 19 WSW/263.9 74.8 / 5.57 Elevation Elevator Inc. 99 150 Isabella Street

Ottawa ON K1S 5H3

Generator No.: ON8037440

PO Box No.: Status: Country: Canada 2015 CO_OFFICIAL Approval Years: Choice of Contact:

Contam. Facility: No Co Admin: MHSW Facility: Phone No. Admin: No 238291

SIC Code: ELEVATOR AND ESCALATOR INSTALLATION CONTRACTORS SIC Description:

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

9 of 19 WSW/263.9 CANADA BORDER SERVICES AGENCY 99 74.8 / 5.57 GEN 150 ISABELLA 7 TH FLOOR # 7029

OTTAWA ON K1S 5P7

Generator No.: ON7516207 PO Box No.: Status: Country:

Approval Years: 2010 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

SIC Code: 913150

SIC Description: Municipal Regulatory Services

--Details--

Waste Code:

ACID WASTE - HEAVY METALS Waste Description:

Number of Direction/ Elev/Diff Site DΒ Map Key

(m)

Records Distance (m)

148 INORGANIC LABORATORY CHEMICALS Waste Description:

99 10 of 19 WSW/263.9 74.8 / 5.57 Capital Endodontics **GEN** 150 Isabella Street suite 100

Ottawa ON K1S 1V7

Canada

CO_OFFICIAL

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

ON3114467 Generator No.:

Status:

Waste Code:

Approval Years: 2016 Contam. Facility: No MHSW Facility: No 621210 SIC Code:

SIC Description: OFFICES OF DENTISTS

--Details--

Waste Code: 312

PATHOLOGICAL WASTES Waste Description:

99 11 of 19 WSW/263.9 74.8 / 5.57 Metcalfe Realty Company Limited **GEN** 150 Isabella Steet

PO Box No.:

Choice of Contact:

Phone No. Admin:

Country:

Co Admin:

Ottawa ON

ON7510228 Generator No.: Status:

Approval Years:

2009

Contam. Facility: MHSW Facility:

531310 SIC Code:

Real Estate Property Managers SIC Description:

--Details--

Waste Code: 135

Waste Description: REACTIVE ANION WASTES

Waste Code:

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 241

HALOGENATED SOLVENTS Waste Description:

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

263 Waste Code:

ORGANIC LABORATORY CHEMICALS Waste Description:

99 12 of 19 WSW/263.9 74.8 / 5.57 CANADA BORDER SERVICES AGENCY GEN 150 ISABELLA 7 TH FLOOR # 7029

PO Box No.:

Choice of Contact:

Phone No. Admin:

Order No: 20180911009

Country:

Co Admin:

OTTAWA ON K1S 5P7

Status:

2011 Approval Years:

Contam. Facility: MHSW Facility:

913150 SIC Code:

SIC Description: Municipal Regulatory Services

ON7516207

erisinfo.com | Environmental Risk Information Services

Generator No.:

Map Key Number of Direction/ Elev/Diff Site DB

--Details--

Waste Code: 148

Records

Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 112

Waste Description: ACID WASTE - HEAVY METALS

99 13 of 19 WSW/263.9 74.8 / 5.57 Metcalfe Realty 150 Isabella Street

Ottawa ON K1S 5H3

Phone No. Admin:

Generator No.: ON8027666 PO Box No.:

Distance (m)

 Status:
 Country:
 Canada

 Approval Years:
 2015
 Choice of Contact:
 CO_OFFICIAL

 Contam. Facility:
 No
 Co Admin:

(m)

MHSW Facility: No SIC Code: 531210

SIC Description: OFFICES OF REAL ESTATE AGENTS AND BROKERS

--Details--

Waste Code: 221

Waste Description: LIGHT FUELS

99 14 of 19 WSW/263.9 74.8 / 5.57 Metcalfe Realty Company Limited GEN

150 Isabella Steet Ottawa ON K1S 1V7

Generator No.: ON7510228 PO Box No.: Status: Country:

Status:Country:Approval Years:2012Choice of Contact:Contam. Facility:Co Admin:MHSW Facility:Phone No. Admin:

SIC Code: 531310

SIC Description: Real Estate Property Managers

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 212

Waste Description: ALIPHATIC SOLVENTS

Waste Code: 135

Waste Description: REACTIVE ANION WASTES

Waste Code: 241

Waste Description: HALOGENATED SOLVENTS

Waste Code: 263

Waste Description: ORGANIC LABORATORY CHEMICALS

99 15 of 19 WSW/263.9 74.8 / 5.57 Elevation Elevator Inc.

150 Isabella Street Ottawa ON K1S 5H3

Order No: 20180911009

Generator No.: ON8037440 PO Box No.:

Status: Country: Canada

Map Key	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 238291 SIC Description:		No No			Choice of Contact: Co Admin: Phone No. Admin:	CO_OFFICIAL	
		238291	ELEVATOR AND ES	RS			
Details Waste Code: Waste Descri	ption:		252 WASTE OILS & LUE	BRICANTS			
99	16 of 19		WSW/263.9	74.8 / 5.57	ZIM Corporation 150 Isabella St Unit 1 Ottawa ON K1S 1V7	150	SCT
Established: Plant Size (ft ² Employment:			01-JUL-96 10000				
Details Description: SIC/NAICS Co	ode:		Software Publishers 511210				
Description: SIC/NAICS Co	ode:		Software Publishers 511210				
99	17 of 19		WSW/263.9	74.8 / 5.57	Exclaimer 150 Isabella St suite Ottawa ON K1S 5P7	210	SCT
Established: Plant Size (ft²):			2002				
Employment:			6				
<u>99</u>	18 of 19		WSW/263.9	74.8 / 5.57	Appraisal Institute of 150 Isabella St Suite Ottawa ON K1S 5P7		SCT
Established: Plant Size (ft²	²) <i>:</i>		1938				
Employment:	•		9				
<u>Details</u> Description: SIC/NAICS Code:		Periodical Publishers 511120	S				
Description: SIC/NAICS Co	ode:		Directory and Mailing 511140	g List Publishers			
Description: SIC/NAICS Co	ode:		Professional Organiz 813920	zations			
99	19 of 19		WSW/263.9	74.8 / 5.57	Advanced Coatings 150 Isabella St Suite Ottawa ON K1S 1V7	1200	SCT

Order No: 20180911009

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

Plant Size (ft2): Employment:

--Details--

Description: Plastic Film and Sheet Manufacturing

SIC/NAICS Code: 326114

All Other Plastic Product Manufacturing Description:

SIC/NAICS Code: 326198

1 of 1 NE/267.1 65.8 / -3.49 lot G con C 100 **WWIS** Ottawa ON

Well ID: 7293173

Construction Date: Primary Water Use: Test Hole Sec. Water Use: Monitoring Final Well Status: Test Hole

Water Type:

Casing Material:

Audit No: Z258422 A189907 Tag:

Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level:

Flowing (Y/N): Flow Rate: Clear/Cloudy:

Data Entry Status: Data Src:

Date Received:

8/18/2017 Selected Flag: Yes

Abandonment Rec: Contractor: 7241

Form Version: Owner:

COLONEL BY DRIVE Street Name: **OTTAWA-CARLETON** County: Municipality: NEPEAN TOWNSHIP

7

Site Info: Lot: G С Concession:

Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006714832

DP2BR:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 19-JUN-17

Remarks:

Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method:

Supplier Comment:

Source Revision Comment:

Overburden and Bedrock

Materials Interval

1006855010 Formation ID:

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY

Elevation: 64.99

Elevrc:

Zone: 18 East83: 446586 Org CS: UTM83 North83: 5028891

UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 20180911009

Location Method: wwr Map Key Number of Direction/ Elev/Diff Site DB Records Distance (m) (m)

 Mat2:
 06

 Other Materials:
 SILT

 Mat3:
 85

 Other Materials:
 SOFT

 Formation Top Depth:
 4

 Formation End Depth:
 6.2

 Formation End Depth UOM:
 m

Formation ID: 1006855008

Layer: Color: 2 **GREY** General Color: Mat1: 11 **GRAVEL** Most Common Material: Mat2: 28 SAND Other Materials: Mat3: 79 Other Materials: **PACKED** Formation Top Depth: 0 Formation End Depth: .8 Formation End Depth UOM: m

Formation ID: 1006855009

Layer: 2 2 Color: **GREY** General Color: Mat1: 05 Most Common Material: CLAY 06 Mat2: Other Materials: SILT Mat3: 85 SOFT Other Materials: Formation Top Depth: .8 Formation End Depth: 4 Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1006855018

 Layer:
 1

 Plug From:
 0

 Plug To:
 .31

 Plug Depth UOM:
 m

Plug ID: 1006855020

 Layer:
 3

 Plug From:
 2.79

 Plug To:
 6.2

 Plug Depth UOM:
 m

Plug ID: 1006855019

 Layer:
 2

 Plug From:
 .31

 Plug To:
 2.79

 Plug Depth UOM:
 m

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1006855017

Method Construction Code:

Method Construction: Rotary (Convent.)

Other Method Construction:

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

Pipe Information

Pipe ID: 1006855007

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1006855013

Layer: Material: 5

PLASTIC Open Hole or Material:

Depth From: Depth To: 3.1 Casing Diameter: 5.2 Casing Diameter UOM: cm Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006855014

Layer: 1 Slot: 10 Screen Top Depth: 3.1 Screen End Depth: 6.2 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 6.03

Water Details

Water ID: 1006855012

Layer: Kind Code: Kind:

Water Found Depth: Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006855011 Diameter: 20.25 Depth From: 0 Depth To: 6.2 Hole Depth UOM: m Hole Diameter UOM: cm

NNW/267.1 70.9 / 1.61 **VON National** 101 1 of 2 **GEN** 110 Argyle Ave

Ottawa ON

Generator No.: ON4817825 PO Box No.: Country: Status:

Choice of Contact: 2013 Approval Years: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

SIC Code: 621990

ALL OTHER AMBULATORY HEALTH CARE SERVICES SIC Description:

Number of Direction/ Elev/Diff DΒ Map Key

(m)

Site

Records Distance (m)

--Details--Waste Code:

312

Waste Description: PATHOLOGICAL WASTES

NNW/267.1 70.9 / 1.61 VON National 101 2 of 2

110 Argyle Ave Ottawa ON

Choice of Contact:

Phone No. Admin:

Co Admin:

ON4817825 Generator No.: PO Box No.: Status: Country:

Approval Years:

2012

Contam. Facility: MHSW Facility:

621990

SIC Code:

SIC Description: All Other Ambulatory Health Care Services

1 of 1 NE/272.5 66.6 / -2.64 Parks Canada (Rideau Canal) 102

Colonel By Dr. & Hawthorne Ave. Intersection

Pretoria Bridge

Ottawa

NA

NA

GEN

SPL

WWIS

Order No: 20180911009

Ottawa ON

Site Address:

Site Region: Site Municipality:

Site Lot:

Site Conc:

Northing:

Easting:

ON

Site District Office: Site County/District:

Site Postal Code:

Site Geo Ref Accu:

Site Geo Ref Meth:

Site Map Datum:

Ref No: 3152-7RFPDE Discharger Report:

Site No: Material Group: Incident Dt: Client Type: Year: Sector Type: Source Type: Incident Cause: Unknown

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name:

Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty: **Environment Impact:** Possible

Nature of Impact: Surface Water Pollution Receiving Medium:

Receiving Env: Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn:

MOE Reported Dt: 4/25/2009

Dt Document Closed: Agency Involved:

SAC Action Class:

1 of 1

Incident Reason:

Oil sheen on Rideau Canal Incident Summary:

> WNW/272.9 71.9 / 2.61

Well ID: 7206031 Data Entry Status: Yes

Construction Date: Data Src: Primary Water Use: 8/7/2013 Date Received: Sec. Water Use: Selected Flag: Yes Final Well Status: Abandonment Rec:

Water Type: Contractor: 7328 Casing Material: Form Version: 8 Audit No: C19504 Owner:

Tag: A122816 Street Name:

Watercourse Spills

Construction Method: OTTAWA-CARLETON County:

103

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

Elevation (m):

Elevation Reliability: Depth to Bedrock: Well Depth:

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

Municipality:

Site Info: Lot: Concession:

Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID:

1004496339

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 02-FEB-12

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Flevation: 68.95

Elevrc:

Zone: 18 446096 East83: UTM83 Org CS: North83: 5028873 UTMRC:

margin of error: 100 m - 300 m UTMRC Desc:

ECA

WDS

Order No: 20180911009

OTTAWA CITY

Location Method: acode

104

1 of 2

NW/274.6

70.9 / 1.61

LRC Development Team Test Client

150 ARGYLE Ave Ottaway ON M4W 1A1

4724-9UCTW6 Approval No: Approval Date: 2015-03-06 Approved Status: Record Type: ECA Link Source: **IDS**

Approval Type: Project Type: AIR

Address:

Full Address: Full PDF Link: **ECA-AIR**

150 ARGYLE Ave

SWP Area Name: Rideau Valley **MOE District:** Ottawa Ottaway City: Longitude: -75.68911 Latitude: 45.411823

104 2 of 2

NW/274.6

70.9 / 1.61

LRC Development Team Test Client

150 ARGYLE Ave Ottaway ON M4W 1A1

Certificate No:

1407-9UCU52

2015-03-06

Mob Unit Cert No: EBR Registry No:

Status: Approved Application Status:

Issue Date:

Input Date:

Date Received: Record Type:

FCA Project Type: WASTE DISPOSAL SITES

ECA-WASTE DISPOSAL SITES Approval Type: SWP Area Name: Rideau Valley **MOE District:** Ottawa 45.411823 Latitude:

Facility Type: Site Concession: Site Region/County: Total Area (ha): Landfill Cap (m3):

Landfill Ctrl Type: Est Closure Date: Transfer Area (ha): Transfer Cap (m3): Transfer Cert No: Inciner. Area (ha): Inciner. Cap (t): Process Area (m3): Process Cap (m3/d): Map Key Number of Direction/ Elev/Diff Site DB
Records Distance (m) (m)

Process Vol (m3):

Mobile Units:

Process Feed (m3):

Mobile Description:

Longitude: -75.68911 Link Source: IDS

Proponent: Prop Address: Prop City: Prop Postal: Prop Phone:

Proponent County/District:

Site Lot:

Full Address: 150 ARGYLE Ave

Landfill Monitoring:
Waste Type:
Waste Type Other:
Waste Class:
Waste Class Code:
Project Description:
Municipalities Served:
Site Closing Description:
Approval Description:
Waste Description:

Other Approvals/Permits:

PDF URL:

Mobile Capacity: Serial Link: District Office:

105 1 of 1 NNE/275.0 54.9 / -14.39

Borehole ID:847434Type:BoreholeUse:Geotechnical/Geological InvestigationStatus::Decommissioned

Use: Geotechnical/Geological Investigation Status::

Drill Method:: Diamond Drill UTM Zone::

Drill Method:: Diamond Drill Easting:: 446494

Location Accuracy:: 446494

Elev. Reliability Note::
Total Depth m:: 32.9

Township:: S2.9

Township:: NEPEAN

Lot:: LOT F

Completion Date:: 20-FEB-1961

Primary Water Use::

<u>--Details--</u> **Stratum ID:** 6557505 **Top Depth(m):** 0.0

Bottom Depth(m): 6.4 Stratum Desc: LOOSE BROWN TO GREY FILL (RAILWAY

ON

Northing::

Orig. Ground Elev m::

DEM Ground Elev m::

Static Water Level::

Sec. Water Use::

Primary Name::

Concession::

Municipality:

EMBANKMENT)

Stratum ID: 6557506 **Top Depth(m):** 6.4

Bottom Depth(m): 7.6 Stratum Desc: SANDY TOPSOIL

 Stratum ID:
 6557507
 Top Depth(m):
 7.6

Bottom Depth(m): 9.8 Stratum Desc: COMPACT GREY SILTY FINE SAND

 Stratum ID:
 6557508
 Top Depth(m):
 9.8

Bottom Depth(m): 17.4 Stratum Desc: STIFF GREY CLAY

Stratum ID: 6557509 **Top Depth(m):** 17.4

Bottom Depth(m): 20.3 Stratum Desc: STIFF TO FIRM GREY SILTY CLAY SOME

FINE SAND OCCASIONAL SHELLS AND POCKETS OF ORGANIC MATTER

Order No: 20180911009

BORE

Stratum ID: 6557510 **Top Depth(m):** 20.3

Bottom Depth(m): 32.9 Stratum Desc: LOOSE GREY SILT SOME FINE SAND

TRACE CLAY

18 5028992

67.6

66.5

-999.9

BROKEN FRONT C

Map Key	Numbe Record		ction/ ance (m)	Elev/Diff (m)	Site	DB
<u>106</u>	1 of 1	ENE/2	75.7	68.6 / -0.65	ON	BORE
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabil Total Depth n Township:: Lot:: Completion I Primary Wate	curacy:: lity Note:: n:: Date::	802684 Geotechnical/Geo Hollow stem auge 446601.38 4.3		stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028881.1 67.5 66.3 BH 14 -999.9
Details Stratum ID: Bottom Dept	h(m):	218573128 4.3			Top Depth(m): Stratum Desc:	1.3 Grey-Brown Very Stiff Weathered Crust Silty Clay
Stratum ID: Bottom Dept	h(m):	218573123 0.1			Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Dept	h(m):	218573124 0.3			Top Depth(m): Stratum Desc:	0.1 Dark Grey Crushed Stone
Stratum ID: Bottom Dept	h(m):	218573125 0.5			Top Depth(m): Stratum Desc:	0.3 Dark Brown Topsoil Silt - Sand
Stratum ID: Bottom Dept	h(m):	218573126 0.8			Top Depth(m): Stratum Desc:	0.5 Brown Silt - Sand
Stratum ID: Bottom Dept	h(m):	218573127 1.3			Top Depth(m): Stratum Desc:	0.8 Brown Compact Sand
107	1 of 1	W/277	.7	73.8 / 4.53	ON	BORE
Borehole ID: Use: Drill Method: Easting:: Location Acc Elev. Reliabil Total Depth n Township:: Lot:: Completion L Primary Wate	: :uracy:: lity Note:: n:: Oate::	613210 446061 -999			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5028782 68.9 68.7
Details Stratum ID: Bottom Dept	h(m):	218394146 0.9			Top Depth(m): Stratum Desc:	0.0 FILL.

Top Depth(m): Stratum Desc: Stratum ID: 218394147 0.9

Bottom Depth(m): CLAY. COMPACT. 8.2

218394148 8.2 Stratum ID: Top Depth(m):

Bottom Depth(m): 11.6 Stratum Desc: CLAY. BLUE, SOFT.

Stratum ID: 218394149 Top Depth(m): 11.6

Bottom Depth(m): 18.3 Stratum Desc: SAND, SILT. LOOSE.

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

Stratum ID: 218394150 Top Depth(m): 18.3

Bottom Depth(m):

Stratum Desc: SAND. LOOSE, WATER STABLE AT 172.1

FEET.0000800050005GREY,STIFF,FISSURE

Order No: 20180911009

D. 00000 015 000

Borehole

W/279.1 108 1 of 1 75.4 / 6.08 **BORE** ON

Borehole ID: 847440 Type:

Use: Geotechnical/Geological Investigation Status:: Decommissioned

Hand auger Drill Method:: UTM Zone:: 18 446060 5028701 Easting:: Northing:: Location Accuracy:: Orig. Ground Elev m:: 67.4

Elev. Reliability Note:: **DEM Ground Elev m::** 70.1 Total Depth m:: 1.8 Primary Name::

NEPEAN BROKEN FRONT C Township:: Concession:: LOT F Municipality: Lot::

Completion Date:: 09-JUN-1961 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--Stratum ID: 6557534 Top Depth(m): 0.0

Stratum Desc: FILL SAND AND CINDERS Bottom Depth(m): 0.3

6557535 Stratum ID: Top Depth(m): 0.3

Bottom Depth(m): 0.9 Stratum Desc: SANDY TILL

6557536 Stratum ID: Top Depth(m): 0.9

Bottom Depth(m): Stratum Desc: SILT AND FINE SAND 1.3

Stratum ID: 6557537 Top Depth(m):

SAND AND GRAVEL WITH A FEW COBBLES Bottom Depth(m): 1.6 Stratum Desc:

6557538 Stratum ID: Top Depth(m): Bottom Depth(m): 1.8 Stratum Desc: CLAY

109 1 of 1 NE/287.3 69.3 / 0.07 DR. A. CHRISTIE **GEN** 223 ECHO DRIVE

OTTAWA ON K1S 1N2

Generator No.: PO Box No.: ON2100300

Country: Status: Approval Years: 95,96,97,98,99,00,01 Choice of Contact: Contam. Facility: Co Admin:

MHSW Facility: Phone No. Admin:

SIC Code: 8653 SIC Description: DENTISTS, GP., OFF.

--Details--Waste Code: 212

ALIPHATIC SOLVENTS Waste Description:

110 1 of 1 NW/288.1 70.9 / 1.61 114 Argyle Avenue **EHS** Ottawa ON K2P 1B4

Order ID: Date Received: 41701 3/9/04

Order No: 20040309008 Lot/Building Size:

33188 Ottawa Carleton **Customer ID:** Municipality:

Map KeyNumber ofDirection/Elev/DiffSiteDBRecordsDistance (m)(m)

ON Company ID: 153 Client Prov/State: Search Radius (km): 0.25 Status: С 3CAN Report Code: Large Radius: 2.00 -75.687636 Report Type: Complete Report X: Report Date: 3/11/04 Y: 45.412453

Report Requested by:T. Harris Environmental Management Inc.

Nearest Intersection: Previous Site Name: Additional Info Ordered:

111 1 of 1 SE/290.4 55.2 / -14.09 ON BORE

Borehole ID: 802266 Type: Borehole

Use:Geotechnical/Geological InvestigationStatus::Drill Method::Hollow stem augerUTM Zone::18

 Easting::
 446530.87
 Northing::
 5028477.97

 Location Accuracy::
 Orig. Ground Elev m::
 64.4

 Location Accuracy::
 Orig. Ground Elev m::
 64.4

 Elev. Reliability Note::
 DEM Ground Elev m::
 63.4

 Total Depth m::
 5.3
 Primary Name::
 BH 9

Township:: Concession:: Lot:: Municipality:

Completion Date:: 07-MAR-1978 Static Water Level:: 1.8

Primary Water Use:: Sec. Water Use::

--Details--

 Stratum ID:
 218571485
 Top Depth(m):
 0.0

 Bottom Depth(m):
 0.2
 Stratum Desc:
 Topsoil

Stratum ID: 218571486 **Top Depth(m):** 0.2

Bottom Depth(m): 1.7 Stratum Desc: Brown Very Loose Fill-Misc Silt - Sand With:

Org M W Constr Debris

Stratum ID: 218571487 **Top Depth(m):** 1.7

Bottom Depth(m): 2.3 Stratum Desc: Grey Very Loose Alluvium Sand

Stratum ID: 218571488 **Top Depth(m):** 2.3

Bottom Depth(m): 4.9 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty

Clay

Order No: 20180911009

Stratum ID: 218571489 **Top Depth(m)**: 4.9

Bottom Depth(m): 5.3 Stratum Desc: Grey Stiff Silty Clay

112 1 of 1 SW/291.4 71.7/2.43 159 PATTERSON AVENUE OTTAWA ON K1S 1Y4

External File Num: FS INC 0810-05806

Date of Occurrence: Fuel Occurrence Type: Fuel Type Involved:

 Status Desc::
 Completed - No Action Required

 Job Type Desc::
 Incident/Near-Miss Occurrence (FS)

Oper. Type Involved:: Service Interruptions:: Property Damage:: Fuel Life Cycle Stage:: Root Cause::

Reported Details:: Discovery of a "first size patch of oily/jelly (not sure what it was but it was petroleum product of

Fuel Category:: Unknown
Occurrence Type:: Near-miss

Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)

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

Ottawa County Name::

Approx. Quant. Rel:: Nearby body of water:: Enter Drainage Syst.:: Approx. Quant. Unit:: Environmental Impact::

> NNW/291.9 70.9 / 1.61 1 of 1 113 **WWIS** OTTAWA ON

> > 4/4/2014

Order No: 20180911009

Well ID: 7218981 Data Entry Status:

Construction Date:

Data Src: Primary Water Use: Date Received: Monitoring

Sec. Water Use: Selected Flag: Yes Final Well Status: **Observation Wells** Abandonment Rec:

Water Type: Contractor: 7238 Casing Material: Form Version:

Audit No: Z180951 Owner: Tag: A157551 Street Name: 110 ARGYLE AVE. **Construction Method:** OTTAWA-CARLETON County:

Elevation (m): Municipality: **NEPEAN TOWNSHIP** Elevation Reliability: Site Info: Depth to Bedrock: Lot:

Well Depth: Concession: Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Zone:

Flowing (Y/N): Flow Rate: UTM Reliability: Clear/Cloudy:

Bore Hole Information

Bore Hole ID: 1004730042 Elevation: 69.93

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 446202 Code OB Desc: Org CS: UTM83

Open Hole: North83: 5029002 UTMRC: Cluster Kind:

Date Completed: 13-MAR-14 **UTMRC Desc:** margin of error: 30 m - 100 m Remarks: Location Method:

Elevrc Desc: Location Source Date:

Improvement Location Source:

Overburden and Bedrock **Materials Interval**

Improvement Location Method: Source Revision Comment: Supplier Comment:

Formation ID: 1005138318

Layer: Color: 6 General Color: **BROWN** Mat1: 11 Most Common Material: **GRAVEL**

Mat2: 28 SAND Other Materials: Mat3: 01 Other Materials: **FILL**

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

Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Formation ID: 1005138319

Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY Mat2: 06 Other Materials: SILT Mat3: 85 SOFT Other Materials: Formation Top Depth: 10 20 Formation End Depth: Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 1005138327

 Layer:
 2

Plug From: 14
Plug To: 1
Plug Depth UOM: ft

Plug ID: 1005138326

 Layer:
 1

 Plug From:
 20

 Plug To:
 14

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1005138325

Method Construction Code: 2

Method Construction: Rotary (Convent.)

Other Method Construction:

Pipe Information

Pipe ID: 1005138317

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1005138322

Layer: 1 Material: 5

Open Hole or Material:PLASTICDepth From:0Depth To:15Casing Diameter:2Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

	lumber of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID: Layer: Slot: Screen Top Depi Screen End Depi Screen Material: Screen Depth UC Screen Diameter	th: OM: r UOM:	1005138323 1 10 15 20 5 ft inch 2			
Water Details					
Water ID: Layer: Kind Code: Kind: Water Found De	pth:	1005138321			
Water Found De		ft			
Hole Diameter					
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM Hole Diameter U		1005138320 2 0 20 ft inch			
<u>114</u> 1 0	of 1	NE/293.1	59.5 / -9.76	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accura Elev. Reliability I Total Depth m:: Township:: Lot:: Completion Date Primary Water U	Diamond 446550 Note:: 18.7 NEPEAN LOT F 08-FEB-	I	stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: PEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole Decommissioned 18 5028974 65.4 68.3 BROKEN FRONT C
Details Stratum ID: Bottom Depth(m	6557511 2.7			Top Depth(m): Stratum Desc:	0.0 COMPACT GREY BROWN SILTY FINE SAND
Stratum ID: Bottom Depth(m	6557512 9.1			Top Depth(m): Stratum Desc:	2.7 STIFF GREY CLAY SOME SILT TRACE SINE SAND
<u>115</u> 1 0	of 1	NNW/293.1	70.9 / 1.61	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accura Elev. Reliability I Total Depth m::	Hollow si 446241.8 acy::	nical/Geological Inve tem auger 86	stigation	Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name::	Borehole 18 5029023.28 70.8 70.2 BH 80-5

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

Township:: Concession:: Lot:: Municipality:

Completion Date:: 12-DEC-1980 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218588294 **Top Depth(m):** 0.0

Bottom Depth(m): 0.2 Stratum Desc: Brown Topsoil

Stratum ID: 218588295 **Top Depth(m):** 0.2

Bottom Depth(m): 1.7 Stratum Desc: Brown Fill-Misc Sand - Gravel

Stratum ID: 218588296 **Top Depth(m):** 1.7

Bottom Depth(m): 4.6 Stratum Desc: Grey-Brown Very Stiff Weathered Crust Silty

Clay

Stratum ID: 218588297 **Top Depth(m):** 4.6

Bottom Depth(m): 12.8 Stratum Desc: Grey Stiff Silty Clay

Stratum ID: 218588298 **Top Depth(m):** 12.8

Bottom Depth(m): 18.3 Stratum Desc: Dark Grey Firm clay silt With: Org M

Stratum ID: 218588299 **Top Depth(m):** 18.3

Bottom Depth(m): 20.7 Stratum Desc: Grey Stiff Silty Clay

Stratum ID: 218588300 **Top Depth(m):** 20.7

Bottom Depth(m): 22.9 Stratum Desc: Grey clay silt Trace: F Sa Tr Gr

Stratum ID: 218588301 **Top Depth(m):** 22.9

Bottom Depth(m): 23.5 Stratum Desc: Grey Loose Silt

116 1 of 1 ESE/294.5 59.9 / -9.39 ON BORE

Borehole ID: 806100 Type: Borehole

Use: Geotechnical/Geological Investigation Status::

Drill Method:: Boring UTM Zone:: 18

Easting:: 446634.09 Northing:: 5028584.53
Location Accuracy:: Orig. Ground Elev m:: 64.7
Flev Reliability Note:: PEM Ground Flev m:: 64.4

 Elev. Reliability Note::
 DEM Ground Elev m::
 64.4

 Total Depth m::
 5.5
 Primary Name::
 BH 6

Township:: Concession:: Municipality:

Completion Date:: 07-MAY-1969 Static Water Level:: .6
Primary Water Use:: Sec. Water Use::

<u>--Details--</u> **Stratum ID:** 218587584 **Top Depth(m):** 0.0

Bottom Depth(m): 3.0 Stratum Desc: Brown Loose Fill-Misc Silt - Sand With: Gr W

Constr Debris

EHS

Order No: 20180911009

Stratum ID: 218587585 **Top Depth(m):** 3.0

Bottom Depth(m): 5.0 Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay

Ottawa ON K1S 1N1

Stratum ID: 218587586 **Top Depth(m):** 5.0

Bottom Depth(m): 5.5 Stratum Desc: Grey Stiff Silty Clay

117 1 of 1 ENE/295.8 69.6 / 0.34 221 Echo Drive

 Order ID:
 63994
 Date Received:
 11/10/2005

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

20051110006 Order No:

Customer ID: 36630 Company ID: 77 С Status: Report Code: 4CAN

Custom Report Report Type: Report Date: 11/15/2005

Pinchin Environmental Ltd. Report Requested by:

Nearest Intersection: Hawthorne Ave

Previous Site Name: Additional Info Ordered: Lot/Building Size:

Municipality: Client Prov/State:

ON Search Radius (km): 0.25 Large Radius:

-75.681757 X: Y: 45.410875

BORE

GEN

Order No: 20180911009

ESE/296.4 118 1 of 1 54.5 / -14.81

> 806099 Borehole Type:

ON

Borehole ID: Geotechnical/Geological Investigation Use: Status::

Drill Method:: UTM Zone:: **Boring** 18

Easting:: 446636.41 Northing:: 5028584.98 Location Accuracy:: Orig. Ground Elev m:: 64.6

Elev. Reliability Note:: DEM Ground Elev m:: 64.2 Total Depth m:: 5.8 Primary Name:: BH 5

Township:: Concession:: Lot:: Municipality:

Completion Date:: 07-MAY-1969 Static Water Level:: -999.9

Primary Water Use:: Sec. Water Use::

--Details--

Stratum ID: 218587579 Top Depth(m): 0.0

Brown Loose Fill-Misc Silt - Sand Trace: Gr Bottom Depth(m): Stratum Desc: 1.8

218587580 Stratum ID: Top Depth(m): 1.8 Bottom Depth(m): 3.2 Stratum Desc: Concrete

218587581

Stratum ID: Top Depth(m): Bottom Depth(m): Stratum Desc: Grey Soft Silty Clay 3.7

Stratum ID: 218587582 Top Depth(m):

Bottom Depth(m): 5.2 Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay

Stratum ID: 218587583 Top Depth(m):

Stratum Desc: Grey Stiff Silty Clay Bottom Depth(m): 5.8

119 1 of 4 WSW/297.6 75.1 / 5.78 METCALFE REALTY COMPANY LIMITED **GEN** 460 O'CONNOR STREET

OTTAWA ON K1S 5H3

Generator No.: ON0979504 PO Box No.: Status:

Country: Approval Years: 04 Choice of Contact: Contam. Facility: Co Admin: Phone No. Admin:

MHSW Facility: SIC Code: SIC Description:

2 of 4

WSW/297.6 75.1 / 5.78 METCALFE REALTY COMPANY LIMITED 26-

460 O'CONNOR ST. C/O 130 ALBERT ST. STE

210

119

Number of Direction/ Elev/Diff Site Map Key

Records Distance (m) (m)

OTTAWA ON K1S 5H3

PO Box No.:

Choice of Contact:

Country:

Co Admin: Phone No. Admin:

Generator No.: ON0979504 Status:

Approval Years: Contam. Facility: 94,95,96

MHSW Facility:

7512 SIC Code: SIC Description:

NON-RES. BLDG. OPER.

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

119 3 of 4 WSW/297.6 75.1 / 5.78 METCALFE REALTY COMPANY LIMITED

460 O'CONNOR STREET

OTTAWA ON K1S 5N3

Generator No.: Status: Approval Years:

Contam. Facility: MHSW Facility:

92,93,97,98,99,00,01,03

7512 SIC Code:

SIC Description: NON-RES. BLDG. OPER.

ON0979504

--Details--

Waste Code: 252

WASTE OILS & LUBRICANTS Waste Description:

WSW/297.6 METCALFE REALTY COMPANY LIMITED 119 4 of 4 75.1 / 5.78

460 O'CONNOR STREET

OTTAWA ON K1S 5N3

Generator No.: ON0979504

Status: Approval Years: Contam. Facility:

MHSW Facility: SIC Code: SIC Description:

Country: Choice of Contact: 02

Co Admin: Phone No. Admin:

PO Box No.:

1 of 2 ESE/298.6 54.5 / -14.81 120

Borehole ID: 806096 Type:

Use: Geotechnical/Geological Investigation

Drill Method:: Boring Easting:: 446639.05

Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 7.3

Township::

Lot::

Completion Date:: 06-MAY-1969

Primary Water Use::

Borehole

Status::

ON

UTM Zone:: 18

Northing:: 5028585.93 Orig. Ground Elev m:: 64.6 DEM Ground Elev m:: 63.9 Primary Name:: BH 4

Concession:: Municipality:

Static Water Level:: .6

Sec. Water Use::

DΒ

GEN

PO Box No.: Country: Choice of Contact:

Co Admin:

Phone No. Admin:

GEN

BORE

Order No: 20180911009

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Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) (m) --Details--Stratum ID: 218587560 Top Depth(m): Bottom Depth(m): 0.7 Stratum Desc: Grey Loose Crushed Stone Stratum ID: 218587561 Top Depth(m): 0.7 Stratum Desc: Concrete Bottom Depth(m): 3.0 Stratum ID: 218587562 Top Depth(m): 3.0 5.0 Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay Bottom Depth(m): 218587563 Stratum ID: Top Depth(m): Bottom Depth(m): 7.3 Stratum Desc: Grey Firm to Stiff Silty Clay 54.5 / -14.81 120 2 of 2 ESE/298.6 **BORE** ON Borehole Borehole ID: 806104 Type: Geotechnical/Geological Investigation Use: Status:: Drill Method:: Boring UTM Zone:: 18 446640.25 Northing:: 5028586.41 Easting:: Location Accuracy:: Orig. Ground Elev m:: 64.7 Elev. Reliability Note:: DEM Ground Elev m:: 63.8 Total Depth m:: 4.1 Primary Name:: BH 7 Township:: Concession:: Municipality: Lot:: Completion Date:: 08-MAY-1969 Static Water Level:: .6 Primary Water Use:: Sec. Water Use:: --Details--Stratum ID: 218587603 Top Depth(m): 0.0 Stratum Desc: Bottom Depth(m): 3.2 Concrete Stratum ID: 218587604 Top Depth(m): Bottom Depth(m): 3.7 Stratum Desc: Grey Soft Silty Clay 218587605 Stratum ID: Top Depth(m): Bottom Depth(m): 4.1 Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay 121 1 of 1 SSE/299.1 60.5 / -8.73 **BORE** ON Borehole ID: 802253 Type: Borehole Geotechnical/Geological Investigation Use: Status:: Drill Method:: Hollow stem auger UTM Zone:: 18 Easting:: 446418.66 Northing:: 5028419.07 Orig. Ground Elev m:: 64.5 Location Accuracy:: DEM Ground Elev m:: Elev. Reliability Note:: 63.5 Total Depth m:: 5.5 Primary Name:: BH 6 Township:: Concession:: Municipality: Lot:: 08-MAR-1978 Static Water Level:: -999.9 Completion Date:: Primary Water Use:: Sec. Water Use::

--Details--218571439 Stratum ID:

Top Depth(m):

Stratum Desc: Bottom Depth(m): Grey Loose Silt - Sand 2.4

218571440 Stratum ID: Top Depth(m):

Grey-Brown Very Stiff to Stiff Weathered Crust Bottom Depth(m): 4.6 Stratum Desc:

Silty Clay

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:	21857143	6		Top Depth(m):	0.0
Bottom Depth Stratum ID: Bottom Depth	21857143	7		Stratum Desc: Top Depth(m): Stratum Desc:	Topsoil 0.1 Grey-Brown Fill-Misc Silt - Sand With: Org M
Stratum ID: Bottom Depth	21857143	8		Top Depth(m): Stratum Desc:	0.9 Dark Grey Firm Silt With: CI W Sa W Org M W
Stratum ID: Bottom Depth	21857144 (m): 5.5	1		Top Depth(m): Stratum Desc:	Constr Debris 4.6 Grey Stiff Silty Clay

Unplottable Summary

Total: 70 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CANLANDS DEVELOPMENT CORP.	METCALFE STREET	OTTAWA CITY ON	
CA	REG.MUN.OF OTTAWA- CARLETON	QUEENSWAY N.	OTTAWA ON	
CA	OTTAWA CITY	HAWTHORNE RD.,LOT 1, CONC. 5	OTTAWA CITY ON	
CA		Hawthorne Avenue	Ottawa ON	
CA		Hawthorne Avenue	Ottawa ON	
CA		Argyle Avenue	Ottawa ON	
CA		Argyle Avenue	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	QUEEN ELIZABETH DR./PRETORIA	OTTAWA CITY ON	
CA	OTTAWA CITY	QUEEN ELIZABETH DRIVEWAY	OTTAWA CITY ON	
ECA	City of Ottawa	(Highway 417 to 170 m north of Baseline Road)	Ottawa ON	K1P 1J1
EHS		Highway 417, CN Rail	Ottawa ON	
EHS		Hwy 417	Ottawa ON	
GEN	Airport Golfland Parkway Farm	Parkway RR#2 Metcalfe	Ottawa ON	K0A 2P0
GEN	Airport Golfland	Parkway RR#2 Metcalfe	Ottawa ON	K0A 2P0
GEN	Airport Golfland	Parkway RR#2 Metcalfe	Ottawa ON	K0A 2P0
GEN	Airport Golfland	Parkway RR#2 Metcalfe	Ottawa ON	K0A 2P0
GEN	PITTS ENGINEERING CONSTRUCTION	BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417	OTTAWA-CARLETON ON	K1G 3H6

GEN	GOLDER ASSOCIATES INC.	ABBOTSFORD ROAD	OTTAWA ON	K2L 1C6
GEN	PITTS ENGINEERING CONSTRUCTION 31-354	BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417	OTTAWA-CARLETON ON	K1G 3H6
GEN	PITTS (OUT OF BUS) 31-354	BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417	OTTAWA-CARLETON ON	K1G 3H6
GEN	City Of Ottawa	Hawthron & Elgin	City of Ottawa ON	K1S 1N1
GEN	City Of Ottawa Public Works	Hawthron & Elgin	City of Ottawa ON	K1S 1N1
GEN	City Of Ottawa	Hawthron & Elgin	City of Ottawa ON	K1S 1N1
GEN	City Of Ottawa	Hawthron & Elgin	City of Ottawa ON	K1S 1N1
GEN	Ecoplans Limited	Highway 417 West onramp accessed off Moodie Drive	Ottawa ON	K2H 8G3
NPCB	PUBLIC WORKS CANADA	LORNE BUILDING ELGIN STREET	OTTAWA ON	
NPCB	PUBLIC WORKS CANADA	LORNE BUILDING; ELGIN STREET	OTTAWA ON	
SPL		HIGHWAY 417 EASTBOUND, EAST OF ROCKDALE EXIT <unofficial></unofficial>	Ottawa ON	
SPL	TRANSPORT TRUCK	HWY 417 BETWEEN NICOLAS AND VANIER PARKWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	Loblaw Properties Limited	Loblaws	Ottawa ON	
SPL	Parks Canada (Rideau Canal)	Black Rapids Lock	Ottawa ON	
SPL	Clean Water Works Inc.	near the 417 underpass going eastbound approximately 1 km west of the Moodie Dri ve exit, crossing a railroad track	Ottawa ON	
SPL	City of Ottawa	Hawthorne Huntclub Loop	Ottawa ON	
SPL		Hawthorne Loop, Hawthorne Road and Hunt Club Road	Ottawa ON	
SPL	UNKNOWN	HAWTHORNE RD	OTTAWA CITY ON	
SPL		Hawthorne Rd btw Stevenage Dr and Ages Dr	Ottawa ON	
SPL		HAWTHORNE RD, JUST SOUTH OF LEITRIM RD. <unofficial></unofficial>	Ottawa ON	
SPL	Thermal Shell	Highway 417 West of Eagleson Rd	Ottawa ON	

SPL	Sita Ontario Inc.	Highway 417(westbound) and Moodie Drive ramp	Ottawa ON
SPL	TRANSPORT TRUCK	HWY 417 AT MILE MARKER 5, EASTBOUND MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL		HWY 417 ONRAMP AT TERRY FOX EXIT <unofficial></unofficial>	Ottawa ON
SPL	Ferguson Fuels <unofficial></unofficial>	HWY 417 EASTBOUND AT THE EAGLESON OFF RAMP <unofficial></unofficial>	Ottawa ON
SPL	Waste Services Inc.	Highway 417 East bound West of Terry Fox	Ottawa ON
SPL	CITY OF OTTAWA SNOW PLOW <unofficial></unofficial>	TERRY FOX DRIVE AT THE HWY. 417 OVERPASS <unofficial></unofficial>	Ottawa ON
SPL	TRANSPORT TRUCK	HWY # 417 AT ROCHESTER EXIT. MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON
SPL	Waste Management Inc.	HWY 417 EASTBOUND, ST. LAURENT EXIT (115) <unofficial></unofficial>	Ottawa ON
SPL	Wilway Transport <unofficial></unofficial>	Highway 417 eastbound, panmure exit(exit 162) MVA - HIGHWAY 417 EASTBOUND AT PANMURE EXIT (EXIT 163) <unofficial></unofficial>	Ottawa ON
SPL	City of Ottawa	Vanier Parkway South of Hwy 417	Ottawa ON
SPL	LECLAIR FUELS LTD.	HWY 417 BTWN INNIS & PKWY TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL		417 EASTBOUND - NICHOLAS ON RAMP <unofficial></unofficial>	Ottawa ON
SPL	S. 21(1)(f)	Hwy 417 E between Vanier Parkway and St. Laurent <unofficial></unofficial>	Ottawa ON
SPL	Drain-All Ltd.	Hwy 417 Westbound near Carling off-ramp	Ottawa ON
SPL	Ottawa LRT <unofficial></unofficial>	Hwy 417 near Lees Avenue	Ottawa ON
SPL	Purolator Courier Ltd.	Hwy 417 Eastbound @ Mile Marker 180	Ottawa ON
SPL	Tomlinson Environmental Services Ltd.; SNC-Lavalin Constructors (Pacific) Inc	Highway 417 at Hurdman Bridge	Ottawa ON
SPL		Hwy 417 at Hurdman Bridge, SW Corner	Ottawa ON
SPL		Hwy 417 to the corner of Rideau and King Edward	Ottawa ON
SPL		Hwy 417 Under Overpass @ Castlefrank Road	Ottawa ON
SPL		417 eastbound, east of exit 104	Ottawa ON

SPL	City of Ottawa	Hwy 417 West bound, between the Carling Ave Exit and the Maitland Exit	Ottawa ON
SPL		central transit way adjacent to hwy 417 between nicholas ave and lees ave	Ottawa ON
SPL	Enbridge Gas Distribution Inc.	HWY 417 at Vars Bridge	Ottawa ON
SPL	Glenview Iron and Steel Ltd. <unofficial></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	Penske Truck Leasing Canada Inc.	Hwy 417 east, at exit 88, Vars	Ottawa ON
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	UNKNOWN	BLAIR STATION AND QUEENSWAY	OTTAWA CITY ON
SPL		QUEENSWAY EASTBOUND AT METCALFE \	OTTAWA CITY ON
SPL	Loblaws Company East <unofficial></unofficial>	Queensway, from Greenbank Exit to 1735 Iris Road (Pine Crest Shopping Centre - infront of IKEA) <unofficial></unofficial>	Ottawa ON

Unplottable Report

Site: CANLANDS DEVELOPMENT CORP.

METCALFE STREET OTTAWA CITY ON

Database: CA

Database:

Database:

Certificate #: 7-0765-89-

Application Year: 5/12/1989 Issue Date:

Approval Type: Municipal water Approved Status:

Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::**

REG.MUN.OF OTTAWA-CARLETON Site: QUEENSWAY N. OTTAWA ON

3-0468-85-006

Application Year: 85

6/4/85 Issue Date:

Approval Type: Municipal sewage

Status: Approved

Application Type: Client Name:: Client Address:: Client City::

Certificate #:

Client Postal Code:: Project Description:: Contaminants:: **Emission Control::**

Site:

HAWTHORNE RD.,LOT 1, CONC. 5 OTTAWA CITY ON

Approved

Certificate #: 3-0678-93-Application Year: 93

Issue Date: 6/30/1993 Approval Type: Municipal sewage

Status: Application Type:

Client Name:: Client Address:: Client City::

Client Postal Code:: Project Description:: Contaminants:: Emission Control::

Site:

Hawthorne Avenue Ottawa ON

Certificate #: 3628-4JKJGL Database:

Application Year: 00
Issue Date: 4/28/00

Approval Type: Municipal & Private water

Status: Approved

Application Type: New Certificate of Approval

Client Name:: Corporation of the Regional Municipality of Ottawa-Carleton

Client Address:: 111 Lisgar Street

Client City:: Ottawa
Client Postal Code:: K2P 2L7

Project Description:: This application is for the installation of watermains on Hawthorne Avenue, from Main Street to east of Concord

Street

Contaminants:: Emission Control::

Site:

Hawthorne Avenue Ottawa ON

Database:
CA

That the first that the state of the state o

 Certificate #:
 7616-4JKHU9

 Application Year:
 00

 Issue Date:
 4/28/00

Approval Type: Municipal & Private sewage

Status: Approved

Application Type:

Client Name::

Client Address::

New Certificate of Approval

Corporation of the City of Ottawa

111 Sussex Drive, 7th Floor

Client City:: Ottawa
Client Postal Code:: K1N 5A1

Project Description:: This application is for the installation of storm and sanitary sewers on Hawthorne Avenue, from Main Street to

easterly on Concord Street

Contaminants:: Emission Control::

Site:

Argyle Avenue Ottawa ON

Database:
CA

Certificate #: 0155-4L5MNQ

 Application Year:
 00

 Issue Date:
 6/12/00

Approval Type: Municipal & Private water

Status: Approved

Application Type: New Certificate of Approval

Corporation of the Regional Municipality of Ottawa-Carleton

Client Address:: 111 Lisgar Street
Client City:: Ottawa
Client Postal Code:: K2P 2L7

Project Description:: Construction of a Watermain on Argyle Avenue

Contaminants:: Emission Control::

Site:

Argyle Avenue Ottawa ON

Database:
CA

Order No: 20180911009

Certificate #: 2785-4LNQUF

Application Year:00Issue Date:7/6/00

Approval Type: Municipal & Private sewage

Status: Approved

Application Type:New Certificate of ApprovalClient Name::Corporation of the City of OttawaClient Address::111 Sussex Drive, 7th Floor

Client City:: Ottawa
Client Postal Code:: K1N 5A1

Project Description:: Combined Sewers

Contaminants::

R.M. OF OTTAWA-CARLETON Site:

QUEEN ELIZABETH DR./PRETORIA OTTAWA CITY ON

Database:

Certificate #: 7-0179-99-Application Year: 99 4/9/1999 Issue Date: Approval Type: Municipal water Status: Approved

Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: **Emission Control::**

OTTAWA CITY Site:

QUEEN ELIZABETH DRIVEWAY OTTAWA CITY ON

Database:

Certificate #: 3-1225-89-Application Year: 89 6/27/1989 Issue Date: 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

(Highway 417 to 170 m north of Baseline Road) Ottawa ON K1P 1J1

Database: **ECA**

Approval No: 5651-8UAQ6Q SWP Area Name: 2012-05-22 Approval Date: **MOE District:**

Approved Status: City: Ottawa Record Type: **ECA** Longitude:

IDS Latitude: Link Source: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS (Highway 417 to 170 m north of Baseline Road) Address:

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5034-8U6NTS-14.pdf

Site:

Database: **EHS**

Order No: 20180911009

Highway 417, CN Rail Ottawa ON

Order ID: 62037 Date Received:

10/17/2005 Order No: 20051017044 Lot/Building Size: Municipality: Customer ID: 44527

33445 Client Prov/State: QC Company ID: Status: С Search Radius (km): 0.25 Report Code: 1CAN Large Radius: 2

Report Type: Site Report X: Υ: Report Date: 10/18/2005

Report Requested by: SM Environnement Nearest Intersection: Previous Site Name: Additional Info Ordered:

Site: Database: Hwy 417 Ottawa ON **EHS**

207153 5/9/2012 Order ID: Date Received:

Order No: 20120509053 Lot/Building Size: **Customer ID:** 58127 Municipality:

ON Company ID: 50 Client Prov/State: Status: С Search Radius (km): 0.25 4CAN 0.25 Report Code: Large Radius: Report Type: **Custom Report** X: -75.670099

Y: Report Date: 5/16/2012

Report Requested by: Golder Associates Ltd.

Nearest Intersection: Previous Site Name: Additional Info Ordered:

Airport Golfland Parkway Farm Site: Database: Parkway RR#2 Metcalfe Ottawa ON K0A 2P0 **GEN**

Co Admin:

Phone No. Admin:

Generator No.: ON6445050 PO Box No.: 8482 Registered Country: Canada Status: Choice of Contact:

Approval Years: As of Dec 2017 Contam. Facility: MHSW Facility: SIC Code:

SIC Description:

--Details--Waste Code: 252 L

Waste Description: Waste crankcase oils and lubricants

Airport Golfland Database: Site: Parkway RR#2 Metcalfe Ottawa ON K0A 2P0 GEN

ON6445050 PO Box No.: Generator No.:

Country: Canada Status: Approval Years: 2016 Choice of Contact: CO_ADMIN Kevin G Patterson Contam. Facility: No Co Admin: MHSW Facility: 613-821-3604 Ext. No Phone No. Admin:

238910, 111110 SIC Code:

SIC Description: SITE PREPARATION CONTRACTORS, 111110

--Details--

Waste Code:

Waste Description: WASTE OILS & LUBRICANTS

Airport Golfland Database: Site: **GEN** Parkway RR#2 Metcalfe Ottawa ON K0A 2P0

Phone No. Admin:

613-821-3604 Ext.

Generator No.: ON6445050 PO Box No.:

Status: Country: Canada 2015 Choice of Contact: CO_ADMIN Approval Years: Contam. Facility: Co Admin: Kevin G Patterson No

SIC Code: 238910, 111110

No

SITE PREPARATION CONTRACTORS, 111110 SIC Description:

MHSW Facility:

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Airport Golfland Site:

Parkway RR#2 Metcalfe Ottawa ON K0A 2P0

Database: **GEN**

Database: **GEN**

Database:

GEN

Database:

GEN

Order No: 20180911009

Generator No.: ON6445050 PO Box No.: Status:

2014 Approval Years: Contam. Facility: Nο MHSW Facility: No

Canada Country: CO_ADMIN Choice of Contact: Kevin G Patterson Co Admin: Phone No. Admin: 613-821-3604 Ext.

Phone No. Admin:

SIC Code: 238910, 111110

SITE PREPARATION CONTRACTORS, 111110 SIC Description:

--Details--

Waste Code: 252

WASTE OILS & LUBRICANTS Waste Description:

Site: PITTS ENGINEERING CONSTRUCTION

BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417 OTTAWA-

CARLETON ON K1G 3H6

Generator No.: ON0760802 PO Box No.: Status: Country:

Approval Years: 86,87,88,89,90 Choice of Contact: Contam. Facility: Co Admin:

MHSW Facility:

SIC Code: 4121

SIC Description: HIGHWAYS, STR., ETC.

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

Site: GOLDER ASSOCIATES INC.

ABBOTSFORD ROAD OTTAWA ON K2L 1C6

ON6252247 Generator No.: PO Box No.: Country:

Approval Years: 2014

Choice of Contact: Contam. Facility: No Co Admin: Phone No. Admin:

MHSW Facility: No 237990 SIC Code:

OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION SIC Description:

--Details--

Status:

Waste Code: 221

LIGHT FUELS Waste Description:

Site: PITTS ENGINEERING CONSTRUCTION 31-354

BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417 OTTAWA-

CARLETON ON K1G 3H6

Generator No.: ON0760802 PO Box No.: Status: Country:

Approval Years: 92,93,94,95,96 Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

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Canada

CO_OFFICIAL

SIC Code: 4121

HIGHWAYS, STR., ETC. SIC Description:

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

PITTS (OUT OF BUS) Site: 31-354

BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417 OTTAWA-

CARLETON ON K1G 3H6

Generator No.: ON0760802 PO Box No.: Status: Country:

97,98 Choice of Contact: Approval Years: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

SIC Code: 4121

SIC Description: HIGHWAYS, STR., ETC.

--Details--

Waste Code: 252

Waste Description: WASTE OILS & LUBRICANTS

City Of Ottawa Site:

Hawthron & Elgin City of Ottawa ON K1S 1N1 GEN

Database:

GEN

Database:

Database:

GEN

Order No: 20180911009

ON7219892 Generator No.: PO Box No.:

Country: Status: Canada CO_ADMIN Approval Years: 2016 Choice of Contact: Steve Showler Contam. Facility: No Co Admin: MHSW Facility: No Phone No. Admin: 613-564-8026 Ext. 913910

SIC Description: 913910

--Details--

SIC Code:

Waste Code: 251

Waste Description: **OIL SKIMMINGS & SLUDGES**

Site: City Of Ottawa Public Works

Hawthron & Elgin City of Ottawa ON K1S 1N1

ON7219892 PO Box No.: Generator No.: Status: Registered Country: Canada

As of Dec 2017 Approval Years: Choice of Contact: Contam. Facility: Co Admin: MHSW Facility: Phone No. Admin:

SIC Code: SIC Description:

--Details--

Waste Code:

Waste Description: Waste oils/sludges (petroleum based)

City Of Ottawa Database: Site: Hawthron & Elgin City of Ottawa ON K1S 1N1 **GEN**

ON7219892 PO Box No.: Generator No.:

Country: Canada Status: Approval Years: 2015 Choice of Contact: CO_ADMIN Contam. Facility: No Co Admin: Rick Jadowski

MHSW Facility: No Phone No. Admin: 613-580-2424 Ext.34228

SIC Code: 913910

SIC Description: 913910

--Details--

Waste Code: 25

Waste Description: OIL SKIMMINGS & SLUDGES

Site: City Of Ottawa
Hawthron & Elgin City of Ottawa ON K1S 1N1

Generator No.: ON7219892 PO Box No.: Status: Country:

Approval Years: 2014
Contam. Facility: No
MHSW Facility: No

SIC Code: 913910

SIC Description: 913910

--Details--

Waste Code: 251

Waste Description: OIL SKIMMINGS & SLUDGES

Site: Ecoplans Limited

Highway 417 West onramp accessed off Moodie Drive Ottawa ON K2H 8G3

Generator No.: ON3922236

Status: Country: Approval Years: 2010 Choice of Contact: Contam. Facility: Co Admin:

MHSW Facility:

SIC Code: 541620

SIC Description: Environmental Consulting Services

--Details--

Waste Code: 241

Waste Description: HALOGENATED SOLVENTS

Site: PUBLIC WORKS CANADA

LORNE BUILDING ELGIN STREET OTTAWA ON

Company Code: O3082

Industry:PUBLICS WORKS CANADASite Status:FEDERAL FACILITIES (IN USE)

 Transaction Date:
 6/16/1999

 Inspection Date:
 11/2/1999

Site: PUBLIC WORKS CANADA

LORNE BUILDING; ELGIN STREET OTTAWA ON

Company Code: 03082

Industry: Public Works Canada

Site Status:

 Transaction Date:
 10/11/1991

 Inspection Date:
 3/14/1991

Site:

Database:

SPL

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Order No: 20180911009

Database:

GEN

Database:

GEN

Database:

Database:

NPCB

Canada

CO_ADMIN

Rick Jadowski

613-580-2424 Ext.34228

Choice of Contact:

Phone No. Admin:

Co Admin:

PO Box No.:

Phone No. Admin:

HIGHWAY 417 EASTBOUND, EAST OF ROCKDALE EXIT<UNOFFICIAL> Ottawa ON

Ref No: 2415-6M4SUB Discharger Report: Site No: Material Group:

2/17/2006

Client Type:

Incident Dt: Year:

Sector Type: Other Motor Vehicle

Oils

Ottawa

Ottawa

Incident Cause: Other Transport Accident Source Type: Nearest Watercourse:

Incident Event: Contaminant Code: 12

Site Name:

Contaminant Name:

Site Address:

Contaminant Limit 1:

Site District Office:

Contam Limit Freq 1: Contaminant UN No 1: Site County/District:

Contaminant Qty: Not specified 12 Site Postal Code:

Environment Impact: Not Anticipated Site Region: Site Municipality:

Nature of Impact:

Human Health/Safety; Other Impact(s); Soil Site Lot:

Receiving Medium: Receiving Env: Health/Env Conseq: Site Conc: Northing: Easting:

MOE Response: Dt MOE Arvl on Scn:

Site Geo Ref Accu:

MOE Reported Dt: **Dt Document Closed:** 2/17/2006

GASOLINE

Contamination

Land

Site Geo Ref Meth: Site Map Datum:

Agency Involved: SAC Action Class:

Equipment Failure Incident Reason:

Incident Summary: Hwy 417 eastbound, 36 vehicle MVA - operating fluid to grnd

TRANSPORT TRUCK Site:

HWY 417 BETWEEN NICOLAS AND VANIER PARKWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: SPL

Ref No: 240047 Site No:

Discharger Report: Material Group: Client Type:

Incident Dt: 9/20/2002 Year:

Sector Type: Source Type:

Incident Cause: **BLADDER FAILURE** Incident Event:

Nearest Watercourse:

Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1:

Site Name: Site Address: Site District Office: Site County/District: Site Postal Code:

Contaminant UN No 1: Contaminant Qty:

Site Region:

Environment Impact: POSSIBLE Site Municipality: 20107 Site Lot:

Water course or lake Nature of Impact: LAND, WATER Receiving Medium: Receiving Env:

Site Conc: Northing: Easting:

Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn:

Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:

MOE Reported Dt: Dt Document Closed: Agency Involved:

SAC Action Class:

9/20/2002

2287-7FNKE6

DAMAGE BY MOVING EQUIPMENT

Incident Reason: Incident Summary: MOLSON'S:300L DIESEL TO GRD,50L TO SEWER, CONTAI-NED AND CLEANING

Site: **Loblaw Properties Limited** Database:

Order No: 20180911009

Loblaws Ottawa ON

Discharger Report: Material Group:

Site No: Incident Dt:

Ref No:

Client Type:

Sector Type: Other

Year:

Discharge or Emission to Air

Source Type:

Incident Cause:

Incident Event: Nearest Watercourse:

Contaminant Code: 38 Site Name: Loblaws

Contaminant Name: FREON R-22 (CFC) Site Address:
Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District:
Contaminant UN No 1: Site Postal Code:
Contaminant Qty: 625 lb Site Region:

Environment Impact: Not Anticipated Site Municipality: Ottawa

Nature of Impact:Air PollutionSite Lot:Receiving Medium:Site Conc:

Receiving Env:Northing:NAHealth/Env Conseq:Easting:NA

MOE Response:No Field ResponseSite Geo Ref Accu:Dt MOE ArvI on Scn:Site Geo Ref Meth:MOE Reported Dt:6/16/2008Site Map Datum:

Dt Document Closed: 9/8/2008

Agency Involved:
SAC Action Class:
Air Spills - Gases and

SAC Action Class: Air Spills - Gases and Vapours
Incident Reason: Equipment Failure - Malfunction of system components
Incident Summary: Loblaws, 625 lb of R22 released to atmosphere.

<u>Site:</u> Parks Canada (Rideau Canal)

Black Rapids Lock Ottawa ON

Database:
SPL

Ref No: 0403-75BJ96 Discharger Report:

Site No: Material Group: Oil

Incident Dt: Client Type:
Year: Sector Type: Other

Incident Cause: Pipe Or Hose Leak Source Type:

Incident Event: Nearest Watercourse:

 Contaminant Code:
 15
 Site Name:
 Lock #13<UNOFFICIAL>

 Contaminant Name:
 HYDRAULIC OIL
 Site Address:

Contaminant Limit 1: Site District Office:
Contam Limit Freq 1: Site County/District:
Contaminant UN No 1: Site Postal Code:

Contaminant Qty: 750 mL Site Region:

Environment Impact:Not AnticipatedSite Municipality:OttawaNature of Impact:Surface Water PollutionSite Lot:

Receiving Medium: Water Site Conc:
Receiving Env: Northing:
Health/Env Conseq: Easting:

MOE Response:Referral to othersSite Geo Ref Accu:Dt MOE Arvl on Scn:Site Geo Ref Meth:

MOE Reported Dt: 7/21/2007 Site Map Datum:

Dt Document Closed: 7/23/2007 **Agency Involved:**

SAC Action Class:
Incident Reason:
Other - Reason not otherwise defined

Incident Summary: Parks Canada-< 0.75L hydraulic oil to Rideau River

Site: Clean Water Works Inc. Database:

near the 417 underpass going eastbound approximately 1 km west of the Moodie Dri ve exit, crossing a railroad track Ottawa ON

Ref No: 7613-96MQJ2 Discharger Report:

 Site No:
 Material Group:

 Incident Dt:
 10-APR-13
 Client Type:

 Year:
 Sector Type:
 Sewer (Private of Private of Private

Year: Sector Type: Sewer (Private or Municipal)
Incident Cause: Leak/Break Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: 44 Site Name: near the 417 underpass going eastbound

approximately 1 km west of the Moodie Drive exit, crossing a railroad track<UNOFFICIAL> near the 417 underpass going eastbound

Order No: 20180911009

Contaminant Name: SEWAGE,RAW UNCHLORINATED Site Address: near the 417 underpass going eastbound approximately 1 km west of the Moodie Drive

exit, crossing a railroad track

Site District Office: Contaminant Limit 1: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Site Region:

40 L Contaminant Qty:

Environment Impact: Not Anticipated Site Municipality: Ottawa Nature of Impact: Soil Contamination Site Lot:

Receiving Medium: Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: No Field Response Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 10-APR-13 Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Land Spills Incident Reason: **Equipment Failure**

Incident Summary: Clean Water Works: 40 L sewage to ground due to leak

Site: City of Ottawa Database: **SPL** Hawthorne Huntclub Loop Ottawa ON

Ref No: 5401-AFTQVP Discharger Report: Material Group: Site No: 2016/11/18 Incident Dt: Client Type:

Year: Sector Type: Other

Source Type: Incident Cause: Incident Event: Leak/Break Nearest Watercourse:

Roadside and CB<UNOFFICIAL> Contaminant Code: Site Name:

COOLANT (N.O.S.) Contaminant Name: Site Address: Hawthorne Huntclub Loop

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: 15 L Site Region:

Environment Impact: Site Municipality: Ottawa

Nature of Impact: Site Lot: Receiving Medium: Site Conc:

Receiving Env: Northing: Land 5022009 Health/Env Conseq: 448861 Easting: MOE Response: No Site Geo Ref Accu: **GPS**

Dt MOE Arvl on Scn: Site Geo Ref Meth: 2016/11/18 MOE Reported Dt: Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Primary Assessment of Spills

Incident Reason: **Equipment Failure**

OC Transpo: 15 glycol to road / CB, cleaning Incident Summary:

Site: Database:

Hawthorne Loop, Hawthorne Road and Hunt Club Road Ottawa ON

Ref No: 7717-A82GV5 Discharger Report: Site No: NA Material Group: Incident Dt: 2016/03/14 Client Type: Year: Sector Type: Miscellaneous Communal

Incident Cause: Source Type: Nearest Watercourse: Incident Event: Leak/Break

Contaminant Code: Site Name: Bus failure site<UNOFFICIAL>

COOLANT N.O.S. Site Address: Contaminant Name: Hawthorne Loop, Hawthorne Road and Hunt Club Road

Order No: 20180911009

Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: 10 L Site Region:

Environment Impact: Site Municipality: Ottawa

Nature of Impact: Site Lot: Receiving Medium: Site Conc:

Receiving Env: Northing: 5024679 Land Health/Env Conseq: 453225 Easting:

MOE Response: No Dt MOE Arvl on Scn:

MOE Reported Dt: 2016/03/14

Dt Document Closed: Agency Involved:

SAC Action Class: Land Spills **Equipment Failure** Incident Reason:

Incident Summary: OC Transpo: 10 L coolant to road, CB, clng

Site: UNKNOWN Database: HAWTHORNE RD OTTAWA CITY ON SPL

Site Geo Ref Accu:

Site Geo Ref Meth:

Discharger Report:

Site Map Datum:

20101

Order No: 20180911009

Site Map Datum:

Ref No: 142710 Site No:

Material Group: Incident Dt: 6/26/1997 Client Type: Year: Sector Type: Incident Cause: **UNKNOWN** Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

Environment Impact: POSSIBLE Site Municipality:

Soil contamination Nature of Impact: Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing: Health/Env Conseq:

Easting: MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: Dt Document Closed: Agency Involved:

SAC Action Class:

UNKNOWN Incident Reason:

6/26/1997

Incident Summary: UNKNOWN SOURCE:50L ACID SPILLED TO MUNICIPAL ROAD.

Site: Database: Hawthorne Rd btw Stevenage Dr and Ages Dr Ottawa ON

Ref No: 4076-8G2SX2 Discharger Report:

Site No: Material Group: Incident Dt: 4/18/2011 Client Type: Year: Sector Type:

Tank Truck Source Type: Incident Cause: Other Transport Accident

Incident Event:

Nearest Watercourse: Contaminant Code: 13 Site Name: Hawthorne Rd<UNOFFICIAL>

Contaminant Name: **DIESEL FUEL** Site Address: Hawthorne Rd btw Stevenage Dr and Ages Dr

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: 250 L Site Region: Contaminant Qty:

Site Municipality: **Environment Impact:** Confirmed Ottawa

Surface Water Pollution Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: No Further Response (PR-PIR Table A) Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 4/18/2011 Site Map Datum:

Dt Document Closed: 4/28/2011

Agency Involved:

SAC Action Class: Watercourse Spills Incident Reason: Equipment/Vehicles

Diesel Spill 250L's to rd and cb Incident Summary:

Site: Database:

HAWTHORNE RD, JUST SOUTH OF LEITRIM RD.<UNOFFICIAL> Ottawa ON

Ref No: 6807-62AKB9 Discharger Report: Oil Site No: Material Group:

6/25/2004 Client Type: Incident Dt: Sector Type: Other Motor Vehicle

Year: Incident Cause: Other Discharges

Source Type: Incident Event: Nearest Watercourse:

HAWTHORNE RD, JUST SOUTH OF LEITRIM Contaminant Code: 15 Site Name:

RD.<UNOFFICIAL> Contaminant Name: HYDRAULIC OIL Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code:

Contaminant Qty: 10 L Site Region: Eastern Not Anticipated Site Municipality: **Environment Impact:** Ottawa

Nature of Impact: Soil Contamination Site Lot: Receiving Medium: Land Site Conc: Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response:

Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 6/25/2004 Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Spill to Land

Incident Reason: Unknown - Reason not determined

Incident Summary: Lacombe waste-10 L hydraulic oil to rd, cleaning.

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

2847-5NPPU5 Ref No: Discharger Report:

Oil Site No: Material Group:

6/20/2003 Incident Dt: Client Type: Sector Type: Year:

Incident Cause: Container Leak (Fuel Tank Barrels) Source Type:

Nearest Watercourse: Incident Event:

THERMASHELL TRUCK<UNOFFICIAL> Contaminant Code: 13 Site Name:

FUEL OIL Contaminant Name: Site Address:

Ottawa Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District:

Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region: Eastern

Environment Impact: Possible Site Municipality: Ottawa Nature of Impact: Soil Contamination Site Lot:

Receiving Medium: Land Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: Site Map Datum:

6/20/2003 MOE Reported Dt: **Dt Document Closed:**

Agency Involved: SAC Action Class: Spill to Land

Incident Reason: Unknown - Reason not determined

Incident Summary: Spill:Thermashell truck- 20L of fuel oil to ground

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

4124-6DJQGX Ref No: Discharger Report: O Oil Site No: Material Group:

Incident Dt: 6/20/2005 Client Type:

Sector Type: Year: Transport Truck Incident Cause: Other Transport Accident Source Type:

Incident Event: Nearest Watercourse:

50 L diesel to shoulder<UNOFFICIAL> Contaminant Code: Site Name: Contaminant Name: **DIESEL FUEL** Site Address:

Ottawa

Order No: 20180911009

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District:

Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region: **Environment Impact:** Not Anticipated Site Municipality:

Soil Contamination Nature of Impact: Site Lot: Receiving Medium: Site Conc: Land Receiving Env:

Northing: Easting: Health/Env Conseq:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: 6/20/2005 **MOE** Reported Dt: Site Map Datum:

Dt Document Closed:

Agency Involved: SAC Action Class: Spills to Highways (usually highway accidents)

Incident Reason: Incident Summary: MVA: SITA Can.: 50 L diesel to Hwy 417/Moodie Dr.

TRANSPORT TRUCK Site: Database: HWY 417 AT MILE MARKER 5, EASTBOUND MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON SPL

Ref No: 233267 Discharger Report:

Site No: Material Group: Incident Dt: 7/25/2002 Client Type:

Sector Type: Year:

Incident Cause: OTHER TRANSPORTATION ACCIDENT Source Type:

Incident Event: Nearest Watercourse: Contaminant Code:

Site Name: Contaminant Name: Site Address: Site District Office: Contaminant Limit 1: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Site Region: Contaminant Qty:

POSSIBLE Environment Impact: Site Municipality: 20107

Nature of Impact: Soil contamination Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 7/25/2002 Site Map Datum:

Dt Document Closed:

OPP,MTO Agency Involved:

SAC Action Class: Incident Reason: UNKNOWN

BELFAST FRUIT INC. MVA PUT TRUCK IN DITCH. DIE-SEL FROM SADDLE TANKS. Incident Summary:

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

Ref No: 5448-5KXU3S Discharger Report:

Site No: Material Group: Oil

Incident Dt: 3/24/2003 Client Type: Year: Sector Type: Incident Cause: Source Type: Nearest Watercourse: Incident Event:

Contaminant Code: 15 Site Name: HWY 417 ONRAMP AT TERRY FOX

EXIT<UNOFFICIAL>

Ottawa

Database:

Order No: 20180911009

Contaminant Name: HYDRAULIC OIL Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District:
Contaminant UN No 1: Site Postal Code:

Contaminant Qty:68 LSite Region:EasternEnvironment Impact:PossibleSite Municipality:Ottawa

 Nature of Impact:
 Soil Contamination
 Site Lot:

 Receiving Medium:
 Land
 Site Conc:

 Receiving Env:
 Northing:

 Health/Env Conseq:
 Easting:

MOE Response:

Dt MOE Arvl on Scn:

MOE Reported Dt:

3/24/2003

Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Dt Document Closed:

Agency Involved: SAC Action Class: Spill to Land

Incident Reason:

Incident Summary: Dundas Drilling- 68 L hydr.oil to ditch, cleaning

<u>Site:</u> Ferguson Fuels<UNOFFICIAL>

HWY 417 EASTBOUND AT THE EAGLESON OFF RAMP<UNOFFICIAL> Ottawa ON

Ref No: 2342-6QAQYF Discharger Report:

Site No: Material Group: Oils

Incident Dt: 5/30/2006 Client Type:

Year: Sector Type: Other Motor Vehicle

Incident Cause:Other Transport AccidentSource Type:Incident Event:Nearest Watercourse:

Contaminant Code: 13 Site Name:

Contaminant Name: DIESEL FUEL Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District:
Contaminant UN No 1: Site Postal Code:

Contaminant Qty:60 LSite Region:Environment Impact:ConfirmedSite Municipality:

Nature of Impact: Soil Contamination; Surface Water Pollution Site Lot:

Receiving Medium: Land & Water Site Conc:
Receiving Env: Northing:

Health/Env Conseq:

MOE Response:

Site Geo Ref Accu:

Dt MOE Arvl on Scn:Site Geo Ref Meth:MOE Reported Dt:5/30/2006Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class: Incident Reason:

Incident Summary: Ferguson Fuels ~60 L diesel spill, Hwy 417, Eagleson exit

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

Ref No: 1683-5S3Q8B Discharger Report:

 Site No:
 Material Group:
 Oil

 Incident Dt:
 10/6/2003
 Client Type:

 Incident Dt:
 10/6/2003
 Client Type:

 Year:
 Sector Type:
 Other

 Incident Cause:
 Other Transport Accident
 Source Type:

 Incident Event:
 Nearest Watercourse:

Contaminant Code: 15 Site Name: HYDRAULIC OIL LEAK - HWY. 417 - OTTAWA<UNOFFICIAL>

Contaminant Name: HYDRAULIC OIL Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District:
Contaminant UN No 1: Site Postal Code:

Contaminant Qty:60 LSite Region:EasternEnvironment Impact:PossibleSite Municipality:Ottawa

Nature of Impact: Soil Contamination; Surface Water Pollution Site Lot:

 Receiving Medium:
 Land & Water
 Site Conc:

 Receiving Env:
 Northing:

 Health/Env Conseq:
 Easting:

MOE Response:Site Geo Ref Accu:Dt MOE Arvl on Scn:Site Geo Ref Meth:MOE Reported Dt:10/6/2003Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Spill to Land

Incident Reason: Equipment Failure - Malfunction of system components

Incident Summary: Waste Services Inc. - Hydraulic oil spill

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

 Ref No:
 0881-5HS47B
 Discharger Report:

 Site No:
 Material Group:
 Oil

Incident Dt: 1/13/2003 Client Type:
Year: Sector Type:

 Incident Cause:
 Container Leak (Fuel Tank Barrels)
 Source Type:

 Incident Event:
 Nearest Watercourse:

Contaminant Code: 13 Site Name: TERRY FOX DRIVE AT THE HWY. 417 OVERPASS<UNOFFICIAL>

Contaminant Name: DIESEL FUEL Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code:

Contaminant Qty:180 LSite Region:EasternEnvironment Impact:Not AnticipatedSite Municipality:Ottawa

 Nature of Impact:
 Site Lot:

 Receiving Medium:
 Land

 Receiving Env:
 Northing:

Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: 1/13/2003 Dt Document Closed:

Agency Involved: SAC Action Class: Spill to Land

Incident Reason: Error- Operator error

Incident Summary: CITY OF OTTAWA - 180 L OF DIESEL FUEL TO GROUND.

Site: TRANSPORT TRUCK
HWY # 417 AT ROCHESTER EXIT. MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL
SPL

Site Map Datum:

Order No: 20180911009

 Ref No:
 172543
 Discharger Report:

 Site No:
 Material Group:

 Incident Dt:
 9/10/1999
 Client Type:

 Year:
 Sector Type:

 Incident Cause:
 OTHER CONTAINER LEAK
 Source Type:

Incident Event: Source Type.

Nearest Watercourse:

Contaminant Code:

Contaminant Name:

Contaminant Limit 1:

Contam Limit Freq 1:

Contaminant UN No 1:

Contaminant Qty:

Site Name:

Site Address:

Site District Office:

Site County/District:

Site Postal Code:

Site Region:

Environment Impact: NOT ANTICIPATED Site Municipality: 20101

Nature of Impact:Site Lot:Receiving Medium:LANDSite Conc:Receiving Env:Northing:

Health/Env Conseq:Easting:FDMOE Response:Site Geo Ref Accu:

Dt MOE Arvi on Scn:

MOE Reported Dt:

9/10/1999

Site Geo Ref Meth:
Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class: Incident Reason:

dent Reason: ADVERSE ROAD CONDITION

Incident Summary: PROVIGO DISTRIBUTION-20 LDIESEL FROM TRUCK AT HWY EXIT, FD, WILL CLEANUP.

Site: TRANSPORT TRUCK

HWY. 417 MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database: SPL

Database:

Order No: 20180911009

Ref No: 191523

Site No: Incident Dt: 12/4/2000

Year: Incident Cause: TRUCK/TRAILER OVERTURN

Incident Event:

LAND

12/4/2000

Contaminant Code: Contaminant Name: Contaminant Limit 1:

Contaminant Elint 1.
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:

Environment Impact: POSSIBLE Soil contamination

Receiving Medium: Receiving Env: Health/Env Conseq:

Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn:

MOE Reported Dt: Dt Document Closed: Agency Involved:

SAC Action Class: Incident Reason:

Incident Summary:

,

Discharger Report: Material Group:

Client Type: Sector Type: Source Type:

Nearest Watercourse:

Site Name: Site Address: Site District Office: Site County/District: Site Postal Code:

Site Region: Site Municipality:

20107

Oils

Ottawa

Ottawa

Site Lot: Site Conc:

Northing: Easting:

Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:

OTHER

HYDRAULIC OIL

1/19/2006

nary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.

Site: Waste Management Inc.

HWY 417 EASTBOUND, ST. LAURENT EXIT (115)<UNOFFICIAL> Ottawa ON

Ref No:

Site No:

Incident Dt: 1/19/2006 **Year**:

Incident Cause:

Incident Event:
Contaminant Code: 15

Contaminant Name: Contaminant Limit 1:

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:

Contaminant Qty: 200 L
Environment Impact: Not Anticipated

Nature of Impact: Soil Contamination
Receiving Medium: Land

Receiving Medium: Receiving Env: Health/Env Conseq:

Dt MOE Arvl on Scn: MOE Reported Dt: Dt Document Closed:

MOE Response:

Agency Involved: SAC Action Class: Incident Reason:

Incident Summary:

8781-6L7M7T

Discharger Report: Material Group:

Client Type:

Sector Type: Other Motor Vehicle

Source Type: Nearest Watercourse:

Site Name: Site Address:

Site District Office: Site County/District:

Site Postal Code: Site Region:

Site Municipality: Site Lot:

Site Conc: Northing: Easting:

Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:

HWY 417: garbage truck fire, 45 gal hyd. oil to road

Wilway Transport<UNOFFICIAL> Site:

Highway 417 eastbound, panmure exit(exit 162) MVA - HIGHWAY 417 EASTBOUND AT PANMURE EXIT (EXIT

163)<UNOFFICIAL> Ottawa ON

5853-6SC638 Ref No:

Site No: Incident Dt: 8/3/2006

Incident Cause:

Year:

Incident Event:

Contaminant Code:

Contaminant Limit 1:

Contaminant Name:

DIESEL FUEL

13

Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty: 50 L **Environment Impact:** Confirmed Soil Contamination, Vegetation Damage Nature of Impact:

Receiving Medium: Land Receiving Env:

Health/Env Conseq: MOE Response:

Dt MOE Arvl on Scn: MOE Reported Dt:

Dt Document Closed:

Agency Involved: SAC Action Class:

Incident Reason:

Incident Summary:

Other Transport Accident

Material Group: Client Type: Sector Type:

Source Type: Nearest Watercourse:

Discharger Report:

Site Name:

Site Address:

EXIT(EXIT 162) HIGHWAY 417 EASTBOUND, PANMURE

Ottawa

Ottawa

Oils

EXIT(EXIT 162)

Miscellaneous Communal

Ottawa

Vanier Parkway South of Hwy 417

Hurdman Oil Water Seperator<UNOFFICIAL>

HIGHWAY 417 EASTBOUND, PANMURE

Transport Truck

Site District Office:

Site County/District: Site Postal Code: Site Region:

Site Municipality: Site Lot:

Site Conc: Northina: Easting:

Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:

Discharger Report:

Nearest Watercourse:

Site District Office:

Site Municipality:

Site Geo Ref Accu:

Site Geo Ref Meth:

Discharger Report:

Material Group:

Site Map Datum:

Site County/District: Site Postal Code:

Material Group:

Client Type:

Sector Type:

Source Type:

Site Address:

Site Region:

Site Lot:

Site Conc:

Northing:

Easting:

Site Name:

Equipment/Vehicles

MVA: Hwy 417 eastbnd, Panmure exit, diesel to median

Site: City of Ottawa

Vanier Parkway South of Hwy 417 Ottawa ON

8/3/2006

1107-A97JW2 NA

Site No: 2016/04/20 Incident Dt:

Year: Incident Cause:

Ref No:

Incident Event: Dumping

Contaminant Code:

OIL (PETROLEUM BASED, NOT SPECIFIED) Contaminant Name:

Surface Water

2016/04/20

0 other - see incident description

Contaminant Limit 1: Contam Limit Freq 1:

Contaminant UN No 1: Contaminant Qty:

Environment Impact:

Nature of Impact: Receiving Medium:

Receiving Env: Health/Env Conseq:

MOE Response: No Dt MOE Arvl on Scn:

MOE Reported Dt:

Dt Document Closed:

Agency Involved: SAC Action Class:

Incident Reason:

Incident Summary:

Watercourse Spills Operator/Human Error

Ottawa oil in sewer collection system

LECLAIR FUELS LTD.

HWY 417 BTWN INNIS & PKWY TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 4525 Site No:

erisinfo.com | Environmental Risk Information Services

Database:

Database:

SPL

Database: SPL

SPL

Order No: 20180911009

190

Site:

Incident Dt: 5/31/1988 Client Type: Year: Sector Type:

Incident Cause: ABOVE-GROUND TANK LEAK Source Type: Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

Environment Impact: Site Municipality: 20101 Nature of Impact: Site Lot:

Receiving Medium: LAND Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 5/31/1988 Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class:

Incident Reason: UNKNOWN

Incident Summary: 15 LTR. DIESEL TO HWY. FROM TRUCK FUEL TANK.

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

1151-5R4LZR Discharger Report: Ref No: Site No: Material Group: Oil Incident Dt: 9/5/2003 Client Type: Sector Type: Other Year:

Incident Cause: Source Type: Other Discharges Incident Event:

Nearest Watercourse: 417 EASTBOUND - NICHOLAS ON Contaminant Code: 13 Site Name:

RAMP<UNOFFICIAL>

Contaminant Name: **DIESEL FUEL** Site Address: Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District:

Contaminant UN No 1: Site Postal Code: Contaminant Qty: 100 L Site Region: Eastern **Environment Impact:** Not Anticipated Site Municipality: Ottawa

Nature of Impact: Site Lot: Receiving Medium: Site Conc: Land Receiving Env: Northina:

Health/Env Conseq: Easting: MOE Response: Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth: 9/5/2003 MOE Reported Dt: Site Map Datum: **Dt Document Closed:**

Agency Involved: SAC Action Class: Incident Reason: Other - Reason not otherwise defined Hwy 417 - diesel spill

Database:

Order No: 20180911009

Hwy 417 E between Vanier Parkway and St. Laurent<UNOFFICIAL> Ottawa ON

Ref No: 1301-6XAFSY Discharger Report: Site No: Material Group: Oil

Incident Dt: Client Type: Year: Sector Type: Other Motor Vehicle

Source Type: Incident Cause: Other Transport Accident

Incident Event: Nearest Watercourse:

Contaminant Code: 13 Site Name: Hwy 417 E between Vanier Parkway and St.

Laurent<UNOFFICIAL>

Contaminant Name: **DIESEL FUEL** Site Address:

Incident Summary:

Site:

Site District Office: Contaminant Limit 1: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Site Region:

150 L Contaminant Qty:

Environment Impact: Not Anticipated Site Municipality: Ottawa

Nature of Impact: Surface Water Pollution Site Lot: Receiving Medium: Water Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: No Field Response Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 1/9/2007 Site Map Datum:

Dt Document Closed: 2/23/2007

Agency Involved: SAC Action Class: Incident Reason:

Andleaur Transp & S. 21(1)(f) - 150 L diesel to Hwy and sewer Incident Summary:

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

Ref No: 6127-8K6T47 Discharger Report: Material Group: Site No:

7/27/2011 Incident Dt: Client Type:

Year: Sector Type: Motor Vehicle

Incident Cause: Pipe Or Hose Leak Source Type:

Incident Event: Nearest Watercourse:

Queensway Hwy 417<UNOFFICIAL> Contaminant Code: Site Name: MOTOR OIL Contaminant Name: Site Address: Hwy 417 Westbound near Carling off-ramp

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: 10 L Site Region:

Environment Impact: Not Anticipated Site Municipality:

Nature of Impact: Site Lot:

Receiving Medium: Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting: No Field Response

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: 7/27/2011 MOE Reported Dt: Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Highway Spills (usually highway accidents)

Incident Reason: Equipment/Vehicles

10 L's of motor oil to Queensway, cleaned Incident Summary:

Site: Ottawa LRT < UNOFFICIAL> Database: Hwy 417 near Lees Avenue Ottawa ON

Ref No: 0640-9MYHCJ Discharger Report: Site No: NA Material Group: Incident Dt: 2014/08/07

Year:

Incident Cause: Leak/Break

Incident Event:

Contaminant Code: 15

Contaminant Name: HYDRAULIC OIL

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty: 15 L

Environment Impact: Not Anticipated Soil Contamination Nature of Impact: Receiving Medium:

Client Type: Sector Type: Pipeline/Components

Source Type:

Ottawa

Site Name: highway construction site Hwy 417 at Hurdman

Bridge<UNOFFICIAL> Hwy 417 near Lees Avenue

Order No: 20180911009

Site Postal Code: Site Region: Site Municipality: Ottawa

Nearest Watercourse:

Site District Office:

Site County/District:

Site Lot: Site Conc:

Site Address:

Receiving Env: Health/Env Conseq:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: **MOE** Reported Dt: 2014/08/14 Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Land Spills Incident Reason: **Equipment Failure**

Incident Summary: Ottawa LRT: late report of hyd oil spill to grnd

Site: Purolator Courier Ltd.

Hwy 417 Eastbound @ Mile Marker 180 Ottawa ON

8553-8S9HPE Ref No: Discharger Report: Site No: Material Group: Incident Dt: 10-MAR-12 Client Type:

Year: Sector Type: Incident Cause: Other Transport Accident Source Type:

Incident Event:

Contaminant Code:

Contaminant Name: **DIESEL FUEL**

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty:

Environment Impact: Not Anticipated

Other Impact(s); Soil Contamination Nature of Impact: Sewage - Municipal/Private and Commercial Receiving Medium:

Receiving Env: Health/Env Conseq:

MOE Response: No Field Response

Dt MOE Arvl on Scn:

MOE Reported Dt: 10-MAR-12

Dt Document Closed: Agency Involved:

SAC Action Class: Land Spills Incident Reason: Spill

Incident Summary: TT Accident: 300L to grnd Database: SPL

Database:

Nearest Watercourse:

Site Name: Transport Truck Accident<UNOFFICIAL> Site Address: Hwy 417 Eastbound @ Mile Marker 180

Ottawa

Site District Office: Site County/District: Site Postal Code: Site Region:

Site Municipality:

Site Lot: Site Conc: Northing:

Northing:

Easting:

Easting: Site Geo Ref Accu: Site Geo Ref Meth:

Site Map Datum:

Tomlinson Environmental Services Ltd.; SNC-Lavalin Constructors (Pacific) Inc Highway 417 at Hurdman Bridge Ottawa ON

1322-9K2JFE

Site No: NA Incident Dt: 2014/05/07

Year: Incident Cause: Leak/Break

Incident Event:

Site:

Ref No:

Contaminant Code:

WATER/SEDIMENT Contaminant Name: Contaminant Limit 1:

Contam Limit Freg 1: Contaminant UN No 1: Contaminant Qty:

Environment Impact: Not Anticipated Nature of Impact: Surface Water Pollution

Receiving Medium: Receiving Env:

Health/Env Conseq: MOE Response:

No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 2014/05/12

Dt Document Closed: Agency Involved:

Discharger Report: Material Group:

Client Type:

Sector Type: Source Type:

Nearest Watercourse:

Site Name:

Site Address:

Site District Office: Site County/District: Site Postal Code: Site Region:

Site Municipality: Site Lot: Site Conc:

Northing: Easting: Site Geo Ref Accu:

Site Geo Ref Meth: Site Map Datum:

Ottawa

Drilling Operation

Bridge<UNOFFICIAL>

OLRT: Highway 417 @ Hurdman

Highway 417 at Hurdman Bridge

SAC Action Class: Watercourse Spills Incident Reason: Unknown / N/A

OLRT: Spill of Concrete Drilling Fluid to Hwy 417 CB Incident Summary:

Site: Database: Hwy 417 at Hurdman Bridge, SW Corner Ottawa ON SPL

Unknown / N/A

Database:

6747-9RDR6G Ref No: Discharger Report: Site No: Material Group: NA

2014/12/01 Incident Dt: Client Type: Sector Type: Year:

Incident Cause: Unknown / N/A Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Ottawa LRT Project < UNOFFICIAL> HYDROCARBON LIGHT Hwy 417 at Hurdman Bridge, SW Corner Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Site Postal Code: Contaminant UN No 1: 4 L Contaminant Qty: Site Region:

Environment Impact: Site Municipality: Ottawa

Site Lot: Nature of Impact: I and Receiving Medium: Site Conc:

Receiving Env: Northing: 5029450 448057 Health/Env Conseq: Easting:

MOE Response: Ν Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 2014/12/01 Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Land Spills Incident Reason: Unknown / N/A

Incident Summary: Ottawa LRT Project - 4L petroleum to grd, cleaning

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

5750-74BMWG Ref No: Discharger Report:

Site No: Material Group: Oil Incident Dt: Client Type:

Sector Type: Transport Truck Year:

Incident Cause: Unknown Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Oil Spill on the road<UNOFFICIAL>

OIL (PETROLEUM BASED, NOT SPECIFIED) Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freg 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: 50 L Site Region:

Environment Impact: Not Anticipated Site Municipality: Ottawa

Other Impact(s) Site Lot: Nature of Impact: Receiving Medium: Land Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: No Field Response Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

MOE Reported Dt: 6/19/2007 Site Map Datum:

Dt Document Closed: 12/8/2007 Agency Involved:

SAC Action Class: Incident Reason: Unknown - Reason not determined Incident Summary: UnknTransport Truck: 50L Oil to Road, Cln

Hwy 417 Under Overpass @ Castlefrank Road Ottawa ON

Site:

7705-67XN2B Ref No:

Site No:

Incident Dt: 12/22/2004

Year:

Incident Cause: Incident Event:

Contaminant Code:

Contaminant Name: **DIESEL FUEL**

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty:

Environment Impact:

Nature of Impact:

Groundwater Pollution; Other Impact(s); Soil

Contamination; Surface Water Pollution Land & Water

12/23/2004

Confirmed

Other Transport Accident

Receiving Medium: Receiving Env:

Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn:

MOE Reported Dt: **Dt Document Closed:** Agency Involved:

SAC Action Class:

Incident Reason:

Incident Summary:

Weather MVA: 200L diesel to Ditch Discharger Report:

Oil Material Group:

Client Type:

Sector Type: Transport Truck

Source Type:

Nearest Watercourse: Site Name:

Site Address:

Site District Office:

Site County/District: Site Postal Code:

Site Region: Site Municipality:

Site Lot:

Site Conc: Northing: Easting:

Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:

Discharger Report:

Nearest Watercourse:

Site District Office:

Site Postal Code:

Site Geo Ref Accu:

Site Geo Ref Meth:

Site Map Datum:

Site County/District:

Material Group:

Client Type:

Sector Type:

Source Type:

Site Address:

Site Region: Site Municipality:

Site Lot:

Site Conc:

Northina:

Easting:

Site Name:

Database:

417 eastbound, east of exit 104 Ottawa ON

Ref No:

Site No:

Incident Dt:

Site:

Year:

Incident Cause:

Incident Event:

Contaminant Code: 13

Contaminant Name:

Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1:

Contaminant Qty: 100 L

Environment Impact: Nature of Impact:

Receiving Medium: Receiving Env: Health/Env Conseq:

MOE Response: Dt MOE Arvl on Scn:

MOE Reported Dt: **Dt Document Closed:**

Agency Involved:

SAC Action Class:

Incident Reason: Incident Summary:

Site: City of Ottawa

5074-6J2RLX Ref No: Site No:

Incident Dt: Year:

Incident Cause: Incident Event:

2172-9F4M4N

2014/01/06

Leak/Break

DIESEL FUEL

Confirmed Soil Contamination

2014/01/06

Land Spills

Weather Conditions Day & Ross: diesel on Hwy 417 exit 104

Hwy 417 West bound, between the Carling Ave Exit and the Maitland Exit Ottawa ON Discharger Report:

Material Group: 11/11/2005 Client Type:

Sector Type: Pipe Or Hose Leak Source Type:

Nearest Watercourse:

MVA<UNOFFICIAL>

MVA<UNOFFICIAL>

Ottawa

Eastern

Ottawa

417 eastbound, east of exit 104

Ottawa

0

Chemical

Other Motor Vehicle

Motor Vehicle

Database: SPL

Order No: 20180911009

Contaminant Code: Site Name: Bus # 6070 antifreeze leak<UNOFFICIAL>

Site Municipality:

Ottawa

Order No: 20180911009

ETHYLENE GLYCOL (ANTIFREEZE) Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Ottawa Contam Limit Freq 1: Site County/District:

Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

Nature of Impact: Soil Contamination Site Lot: Receiving Medium: I and Site Conc: Receiving Env: Northing:

Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: 11/11/2005 Site Map Datum: MOE Reported Dt:

Dt Document Closed:

Environment Impact:

Agency Involved: SAC Action Class: Land Spills

Incident Reason: Unknown - Reason not determined

Confirmed

Incident Summary: OC Transpo (Ottawa): 20L antifreeze to grnd, clng

Database: Site:

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

8444-9FTKCZ Ref No: Discharger Report: Site No: Material Group:

2014/01/29 Incident Dt: Client Type: Sector Type: Unknown / N/A Year:

Source Type: Incident Cause: Unknown / N/A

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: Construction job site<UNOFFICIAL> WATER central transit way adjacent to hwy 417 Contaminant Name: Site Address: between nicholas ave and lees ave

Site District Office: Contaminant Limit 1: Contam Limit Freq 1: Site County/District: Site Postal Code: Contaminant UN No 1: Site Region: Contaminant Qtv: 200 L

Environment Impact: Confirmed Site Municipality: Ottawa Surface Water Pollution

Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: Referral to others Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

2014/01/29 MOE Reported Dt:

Dt Document Closed: Agency Involved:

SAC Action Class: Land Spills Unknown / N/A Incident Reason:

RW Tomlinson: Dewatering to CB, Incident Summary:

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

Site Map Datum:

Ref No: 6748-7X7R4U Discharger Report: Site No: Material Group: Incident Dt: Client Type:

Year: Sector Type: Source Type: Incident Cause: Incident Event: Nearest Watercourse:

HWY 417 at Vars Bridge<UNOFFICIAL> Contaminant Code: Site Name: Contaminant Name: USED MOTOR OIL Site Address:

Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: 30 L Contaminant Qty: Site Region:

Environment Impact: Not Anticipated Site Municipality: Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing: Health/Env Conseq:

Easting: MOE Response: No Field Response Site Geo Ref Accu:

MOE Reported Dt: 10/26/2009 Dt Document Closed: 1/8/2010

Agency Involved:

Dt MOE Arvl on Scn:

SAC Action Class: Highway Spills (usually highway accidents) Incident Reason:

Incident Summary: Motor Vehicle-30 L Used Motor Oil to Hwy 417.

Glenview Iron and Steel Ltd.<UNOFFICIAL> Site:

Hwy 417 - Woodroffe W. Bnd, On-Ramp Ottawa ON

Ref No: 0000-5NA2HN Discharger Report:

Oil Material Group: Site No: Incident Dt: 6/6/2003 Client Type:

Year: Sector Type: Transport Truck Incident Cause:

Other Transport Accident Source Type: Incident Event: Nearest Watercourse:

Contaminant Code: 13 Site Name: HWY 417 - WOODROFFE W. BND, ON-

Site Geo Ref Meth:

Database:

Database:

Order No: 20180911009

Site Map Datum:

RAMP<UNOFFICIAL> **DIESEL FUEL**

Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District: Site Postal Code: Contaminant UN No 1:

Contaminant Qty: 50 L Site Region: Eastern Not Anticipated **Environment Impact:** Site Municipality: Ottawa

Nature of Impact: Soil Contamination Site Lot: Receiving Medium: Land Site Conc:

Receiving Env: Northing: Health/Env Conseq: Easting: MOE Response:

Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth: **MOE** Reported Dt: 6/6/2003 Site Map Datum:

Dt Document Closed: Agency Involved:

SAC Action Class: Spill to Highway (Accident); Spill to Land Incident Reason: Incident Summary: Ottawa Hwy 417 - MVA, diesel to ditch

Site: Unisource Canada, Inc.

HWY 417-West near Km 117 on the Vanier Prk Way, Ottawa ON

Ref No: 5066-7B6KDT Discharger Report: Site No: Material Group: Incident Dt: Client Type:

Sector Type: Year. Transport Truck Incident Cause: Other Transport Accident Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: Site Name: MVA of a 10 ton truck<UNOFFICIAL>

DIESEL FUEL Contaminant Name: Site Address:

Contaminant Limit 1: Site District Office: Ottawa

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code:

Contaminant Qty: 250 L Site Region: **Environment Impact:** Not Anticipated Site Municipality: Ottawa

Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response: No Field Response Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth: **MOE** Reported Dt: 1/24/2008 Site Map Datum:

Dt Document Closed: 2/22/2008

Agency Involved:

SAC Action Class: Highway Spills (usually highway accidents) Unknown - Reason not determined Incident Reason:

Incident Summary: TT MVA- >250L diesel HWY 417 W/ Drain-all to clean up spill.

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

Site Map Datum:

Ottawa

Database:

Order No: 20180911009

Ref No: 5218-5LGE4L Discharger Report:

Site No: Material Group: Oil 4/10/2003

Incident Dt: Client Type: Transport Truck Sector Type: Year:

Incident Cause: Source Type:

Incident Event: Nearest Watercourse:

Contaminant Code: 13 Site Name: MVA SITE<UNOFFICIAL>

Contaminant Name: **DIESEL FUEL** Site Address: Contaminant Limit 1: Site District Office:

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code:

Site Region: 100 L Eastern Contaminant Qty:

Environment Impact: Possible Site Municipality: Ottawa Nature of Impact: Soil Contamination Site Lot:

Receiving Medium: I and Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn: Site Geo Ref Meth:

4/10/2003 **MOE** Reported Dt: **Dt Document Closed:**

Agency Involved:

SAC Action Class: Spill to Highway (Accident) Incident Reason:

Summit Food: truck diesel to shoulder. contained Incident Summary:

Site: TRANSPORT TRUCK QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Ref No: 224201 Discharger Report:

Material Group: Site No: 4/19/2002 Incident Dt: Client Type: Year: Sector Type:

Source Type: OTHER TRANSPORTATION ACCIDENT Incident Cause:

Incident Event: Nearest Watercourse:

Site Name: Contaminant Code: Contaminant Name: Site Address: Contaminant Limit 1: Site District Office:

Contam Limit Freq 1: Site County/District: Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region: CONFIRMED

Environment Impact: Site Municipality: 20107

Nature of Impact: Soil contamination Site Lot: Receiving Medium: LAND Site Conc: Receiving Env: Northing: Health/Env Conseq: Easting:

MOE Response: Site Geo Ref Accu: Dt MOE Arvl on Scn:

Site Geo Ref Meth: MOE Reported Dt: 4/19/2002 Site Map Datum: **Dt Document Closed:**

Agency Involved: OPP-KANATA; MTO

SAC Action Class:

Incident Reason:

Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO. <u>Site:</u> UNKNOWN Database:

BLAIR STATION AND QUEENSWAY OTTAWA CITY ON

Ref No: 239018 Discharger Report:

 Site No:
 Material Group:

 Incident Dt:
 9/11/2002
 Client Type:

 Year:
 Sector Type:

 Incident Cause:
 UNKNOWN
 Source Type:

Incident Event: Source Type:

Nearest Watercourse:

Contaminant Code:

Contaminant Name:

Contaminant Limit 1:

Contam Limit Freq 1:

Contaminant UN No 1:

Contaminant Qty:

Site Name:

Site Address:

Site District Office:

Site County/District:

Site Postal Code:

Site Region:

Environment Impact: POSSIBLE Site Municipality: 20107

Nature of Impact:Water course or lakeSite Lot:Receiving Medium:LAND, WATERSite Conc:Receiving Env:Northing:Health/Env Conseq:Easting:

MOE Response:

Dt MOE Arvl on Scn:

MOE Reported Dt:

9/11/2002

Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class:

Incident Reason: UNKNOWN

Incident Summary: SOURCE UNK: UNK VOLUME OF ANTIFREEZE IN THE STORMSEWER, CLEANING

Site: Database:

QUEENSWAY EASTBOUND AT METCALFE \ OTTAWA CITY ON

Ref No: 162583 Discharger Report:

Site No: Material Group:
Incident Dt: 12/2/1998 Client Type:
Year: Sector Type:

 Incident Cause:
 Source Type:

 Incident Event:
 Nearest Watercourse:

 Contaminant Code:
 Site Name:

 Contaminant Name:
 Site Address:

 Contaminant Limit 1:
 Site District Office:

 Contam Limit Freq 1:
 Site County/District:

Contaminant UN No 1: Site Postal Code: Contaminant Qty: Site Region:

Environment Impact: Site Municipality: 20101
Nature of Impact: Site Lot:

Receiving Medium: LAND / WATER Site Conc:
Receiving Env: Northing:
Health/Env Conseq: Easting:

MOE Response:

Dt MOE Arvl on Scn:

Easting:

Site Geo Ref Accu:

Site Geo Ref Meth:

Dt MOE Arvl on Scn:

MOE Reported Dt:

12/2/1998

Site Geo Ref Meth:
Site Map Datum:

Dt Document Closed: Agency Involved: SAC Action Class: Incident Reason: Incident Summary:

Site: Loblaws Company East<UNOFFICIAL>

Queensway, from Greenbank Exit to 1735 Iris Road (Pine Crest Shopping Centre - infront of IKEA)<UNOFFICIAL>

Ottawa ON

Ollawa Or

 Ref No:
 6833-6H4GWP
 Discharger Report:
 0

 Site No:
 Material Group:
 Oil

Incident Dt: 10/12/2005 Client Type:

Year: Sector Type: Other Motor Vehicle

Order No: 20180911009

Database:

SPL

SPL

SPL

Incident Cause: Pipe Or Hose Leak Source Type:

Nearest Watercourse: Incident Event:

Contaminant Code: Site Name: Queensway, from Greenbank Exit to 1735 Iris

Road

Order No: 20180911009

Contaminant Name: DIESEL FUEL Site Address:

Contaminant Limit 1: Site District Office: Ottawa Contam Limit Freq 1:

Site County/District: Site Postal Code: Site Region:

Not Anticipated Site Municipality: **Environment Impact:** Ottawa

Nature of Impact: Site Lot: Receiving Medium: Land Site Conc: Receiving Env: Northing:

Health/Env Conseq: Easting: MOE Response: Site Geo Ref Accu:

Dt MOE Arvl on Scn: Site Geo Ref Meth: MOE Reported Dt: 10/12/2005 Site Map Datum:

Dt Document Closed:

Contaminant UN No 1:

Contaminant Qty:

Agency Involved: SAC Action Class: Land Spills

Unknown - Reason not determined Incident Reason:

Incident Summary: Loblaws: 10 to 15 L diesel to road/parking lot

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Sep 2017

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-Nov 2016

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:

rivate

AUWR

Order No: 20180911009

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

Government Publication Date: 1999-Jul 31, 2018

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

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

Government Publication Date: Feb 28, 2017

<u>Chemical Register:</u> Private CHEM

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

Government Publication Date: 1999-Jul 31, 2018

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Apr 2018

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-Apr 2018

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-Jul 31, 2018

<u>Drill Hole Database:</u> Provincial DRL

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

Government Publication Date: 1886-Nov 30, 2017

<u>Dry Cleaning Facilities:</u>
Federal DRYCLEANERS

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

Government Publication Date: Jan 2004-Dec 2016

Environmental Activity and Sector Registry:

Provincial

EASR

Order No: 20180911009

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

Government Publication Date: Oct 2011-Jul 31, 2018

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-Jul 31, 2018

Environmental Compliance Approval:

Provincial

ECA

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

Government Publication Date: Oct 2011-Jul 31, 2018

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-Feb 28, 2018

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities:

Provincial

EXP

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

Government Publication Date: Feb 28, 2017

Federal Convictions:

Federal

FCON

Order No: 20180911009

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

CS

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

Government Publication Date: Jun 2000-May 2018

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2017

Fuel Storage Tank:

Provincial FS:

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-December 31, 2017

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2016

TSSA Historic Incidents:

Provincial

IINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

Order No: 20180911009

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Dec 31, 2013

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*

Environmental Penalty Annual Report:

Provincial

MISA PENALTY

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Jan 2018

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial NCPL

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

Government Publication Date: Dec 31, 2016

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

Order No: 20180911009

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007

National Energy Board Pipeline Incidents:

Federal

NEBI

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

Government Publication Date: 2008-Mar 31, 2018

National Energy Board Wells:

Federal

NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

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-April 30, 2018

Ontario Oil and Gas Wells:

Provincial

OOGW

Order No: 20180911009

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

Government Publication Date: 1800-May 2018

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial ORD

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

Government Publication Date: 1994-Jul 31, 2018

Canadian Pulp and Paper:

Private PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

<u>Pesticide Register:</u> Provincial PES

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

Government Publication Date: 1988-Mar 2018

TSSA Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks:

Provincial

PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Jul 31, 2018

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

Order No: 20180911009

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

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

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2018

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Jul 31, 2018

Scott's Manufacturing Directory:

Private

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-May 2018

Wastewater Discharger Registration Database:

Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2016

Anderson's Storage Tanks:

Private

TANK

SCT

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

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

Government Publication Date: 1970-Aug 2017

TSSA Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

Order No: 20180911009

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory:

Provincial

WDS

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

Government Publication Date: Oct 2011-Jul 31, 2018

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

Order No: 20180911009

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

Government Publication Date: Dec 31, 2017

Definitions

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

<u>Detail Report</u>: 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.

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

<u>Direction</u>: 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.

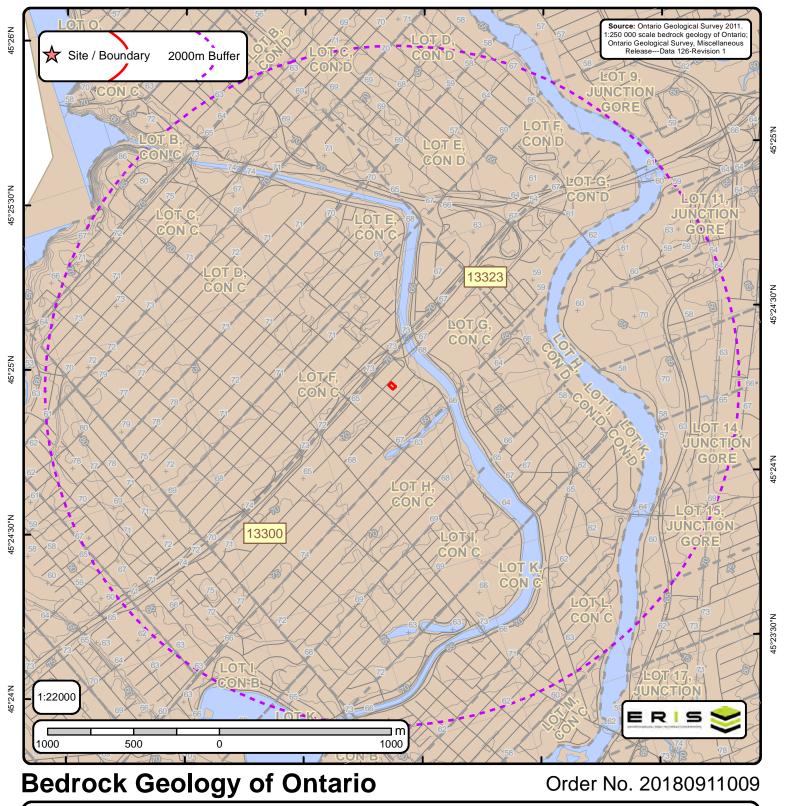
'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

<u>Map Key:</u> 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.'

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

Order No: 20180911009



75°40'30"W

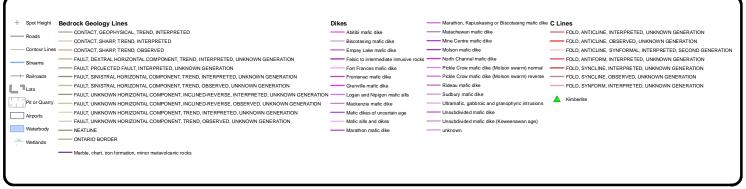
75°40'W

75°39'30"W

75°42'W

75°41'30"W

75°41'W



Page 1 Order ID: 20180911009



ID: 13323 Unit Name: Type (All): 55b Type (Primary): 55b Type (Secondary): Type (Tertiary): Rock Type (Primary): Shale, limestone, dolostone, siltstone Strata (Primary): Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member Super Eon (Primary): Eon (Primary): PHANEROZOIC (Present to 542.0 Ma) Era (Primary): PALEOZOIC (251.0 Ma to 542.0 Ma) Period (Primary): ORDOVICIAN (443.7 Ma to 488.3 Ma) Epoch (Primary): UPPER ORDOVICIAN Province (Primary):
ID: 13300 Unit Name: Type (All): 54a Type (Primary): 54a Type (Secondary): Type (Tertiary): Rock Type (Primary): Limestone, dolostone, shale, arkose, sandstone Strata (Primary): Ottawa Group; Simcoe Group; Shadow Lake Formation Super Eon (Primary): Eon (Primary): PHANEROZOIC (Present to 542.0 Ma) Era (Primary): PALEOZOIC (251.0 Ma to 542.0 Ma) Period (Primary): ORDOVICIAN (443.7 Ma to 488.3 Ma) Epoch (Primary): MIDDLE ORDOVICIAN (now considered UPPER DEVONIAN) Province (Primary):





Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126 Revision1



ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - Unit ID Unit Name - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

```
Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)
```

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

PRECAMBRIAN (0.542 Ga to <3.85 Ga)

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

```
ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)
```

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

```
MESOARCHEAN (2.8 Ga to 3.2 Ga)
                                                MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)
                                                EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)
MESO-TO PALEOPROTEROZOIC
                                                NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
                                               PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga) MESOZOIC (65.5 Ma to 251.0 Ma)
```

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

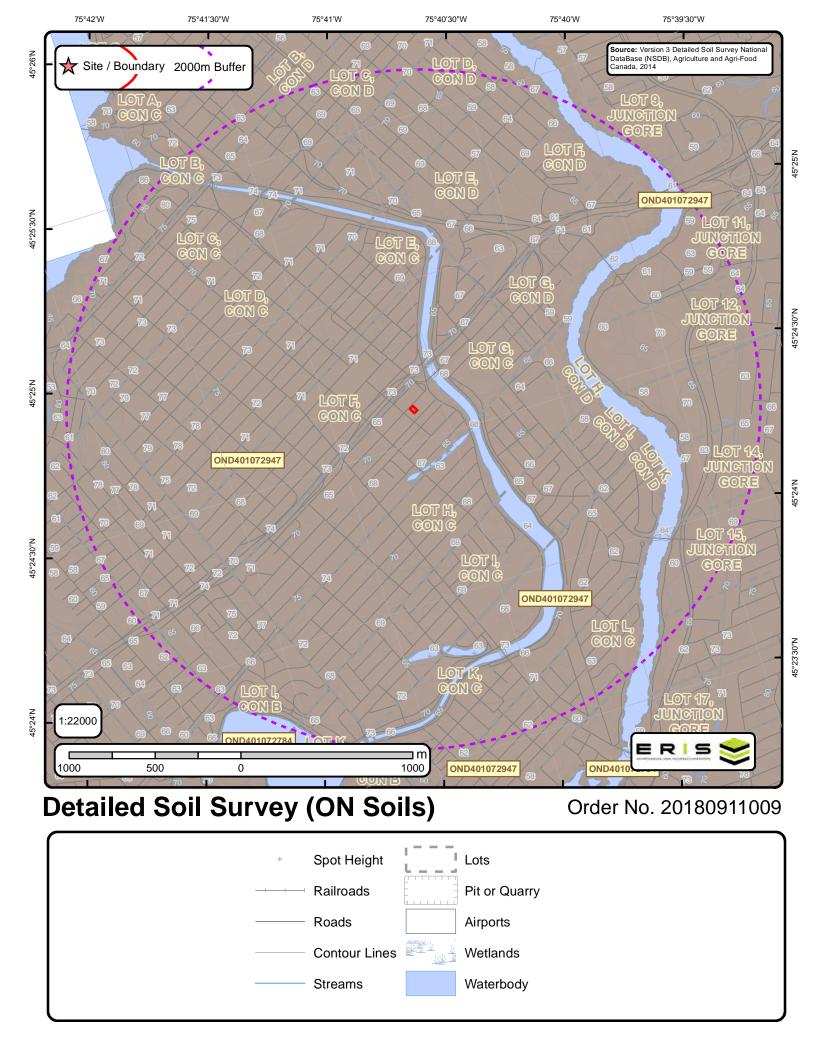
Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

LOWER ORDOVICIAN UPPER SILURIAN MIDDLE ORDOVICIAN LOWER DEVONIAN UPPER ORDOVICIAN MIDDLE DEVONIAN MIDDLE AND LOWER SILURIAN UPPER DEVONIAN

UPPER SILURIAN TO LOWER DEVONIAN LOWER CRETACEOUS AND MIDDLE JURASSIC

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

SUPERIOR SOUTHERN SUPERIOR GRENVILLE





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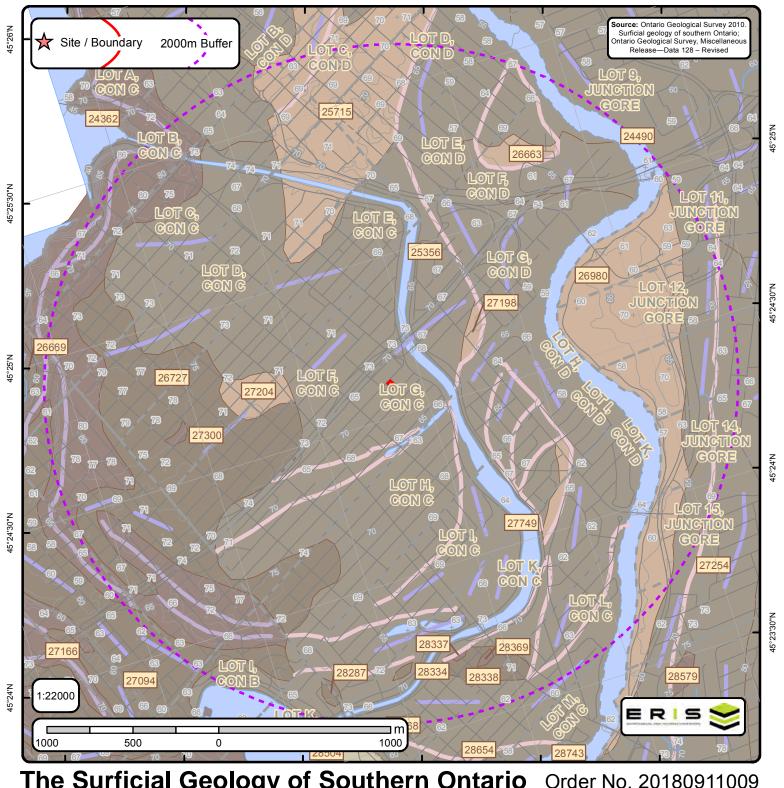


Soil ID: OND401072784

Component No : 1 | Components(%) : 100 | Soil Name ID : ONZZZ~~~~N | Surface Stoniness Class : Not Applicable | Slop Steepness(%) : None | Slop Length(m) : -9 | Drainage : Not Applicable | Hydrological Soil Groups : None | Soil Texture of A Horizon : None | Field Crops Capability : None | First CLI Limitation Subclass : None | Second CLI Limitation Subclass : None | Depth(cm) : 0-100 | Horizon : -- | Layer No : 1 | Very Fine Sand(%) : -9 | Total Sand(%) : -9 | Total Silt(%) : -9 | Total Clay(%) : -9 | Organic Carbon(%) : None | pH in Calc Chloride : None | Saturated Hydraulic Conductivity(cm/h) : None | Electrical Conductivity(dS/m) : None |

Soil ID: OND401072947

Component No : 1 | Components(%) : 100 | Soil Name ID : ONZUN~~~~N | Surface Stoniness Class : Not Applicable | Slop Steepness(%) : None | Slop Length(m) : -9 | Drainage : Not Applicable | Hydrological Soil Groups : None | Soil Texture of A Horizon : None | Field Crops Capability : None | First CLI Limitation Subclass : None | Second CLI Limitation Subclass : None | Soil Name : UNCLASSIFIED | Water Table Charateristics : Unspecified period | Soil Drainage Class : Not applicable | Kind of Surface Material : Unclassified | Layer that Restricts Root Growth : No root restricting layer | Type of Root Restricting Layer : n/a | Parent Material 1|2|3 : Not Applicable; Not Applicable; Not Applicable; Not Applicable | Parent Material Chemical Property 1|2|3 : Not Applicable; Not Applicable | Not Applicable |



75°40'30"W

75°40'W

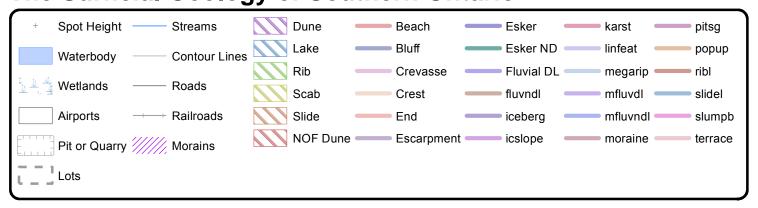
75°39'30"W

75°42'W

75°41'30"W

75°41'W

The Surficial Geology of Southern Ontario Order No. 20180911009





Page 1 **Order ID:** 20180911009



ID: 24362 | Unit Name: Bedrock |

Deposit Type Code: Pa | Deposit Age: Paleozoic | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: Paleozoic Bedrock | Primary Material Modifier: | Secondary Material: | Primary General: | Primary General

Modifier: | Veneer: clay, silt, sand, gravel, diamicton | Episode: | Sub Episode: | Phase: | Stratus Modifier: Surface |

Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occuring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 24490 | **Unit Name:** Offshore marine deposits |

Deposit Type Code: 3a | Deposit Age: Quaternary (Champlain Sea) | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: clay, silt | Primary Material Modifier: | Secondary Material: | Primary General: glaciomarine | Primary General Modifier: foreshore/basinal | Veneer: silt, sand | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Low | Material Description: Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform bluegrey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 25356 | **Unit Name**: Offshore marine deposits |

Deposit Type Code: 3a | Deposit Age: Quaternary (Champlain Sea) | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: clay, silt | Primary Material Modifier: | Secondary Material: | Primary General: glaciomarine | Primary General Modifier: foreshore/basinal | Veneer: silt, sand | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Low | Material Description: Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform bluegrey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 25715 | **Unit Name**: Alluvial deposits |

Deposit Type Code: 6b | Deposit Age: Recent | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: sand | Primary Material Modifier: | Secondary Material: silt | Primary General: fluvial | Primary General Modifier: abandoned floodplain | Veneer: | Episode: Hudson | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 26663 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | Deposit Age: Recent | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: sand | Primary Material Modifier: | Secondary Material: silt | Primary General: fluvial | Primary General Modifier: abandoned floodplain | Veneer: | Episode: Hudson | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.



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ID: 26727 | **Unit Name**: Till |

Deposit Type Code: 1a | Deposit Age: Quaternary | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: diamicton | Primary Material Modifier: sandy silt to silty sand | Secondary Material: | Primary General: glacial | Primary General Modifier: | Veneer: | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: N-NE | Carbon Content: | Formation: Undifferentiated silty-sandy till on Paleozoic terrain | Permeability: Low-Medium | Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 26980 | **Unit Name:** Alluvial deposits |

Deposit Type Code: 6a | Deposit Age: Recent | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: clay, silt, sand | Primary Material Modifier: organic-bearing | Secondary Material: | Primary General: fluvial | Primary General: f

ID: 27094 | **Unit Name**: Till |

Deposit Type Code: 1a | Deposit Age: Quaternary | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: diamicton | Primary Material Modifier: sandy silt to silty sand | Secondary Material: | Primary General: glacial | Primary General Modifier: | Veneer: | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: N-NE | Carbon Content: | Formation: Undifferentiated silty-sandy till on Paleozoic terrain | Permeability: Low-Medium | Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 27198 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | Deposit Age: Recent | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: sand | Primary Material Modifier: | Secondary Material: silt | Primary General: fluvial | Primary General Modifier: abandoned floodplain | Veneer: | Episode: Hudson | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 27204 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | Deposit Age: Recent | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: sand | Primary Material Modifier: | Secondary Material: silt | Primary General: fluvial | Primary General Modifier: abandoned floodplain | Veneer: | Episode: Hudson | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.



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ID: 27254 | Unit Name: Offshore marine deposits |

Deposit Type Code: 3a | Deposit Age: Quaternary (Champlain Sea) | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: clay, silt | Primary Material Modifier: | Secondary Material: | Primary General: glaciomarine | Primary General Modifier: foreshore/basinal | Veneer: silt, sand | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Low | Material Description: Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform bluegrey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 27300 | Unit Name: Bedrock |

Deposit Type Code: Pa | Deposit Age: Paleozoic | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: Paleozoic Bedrock | Primary Material Modifier: | Secondary Material: | Primary General: | Primary General Modifier: | Veneer: clay, silt, sand, gravel, diamicton | Episode: | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occuring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 27749 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | Deposit Age: Recent | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: sand | Primary Material Modifier: | Secondary Material: silt | Primary General: fluvial | Primary General Modifier: abandoned floodplain | Veneer: | Episode: Hudson | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 28287 | **Unit Name**: Till |

Deposit Type Code: 1a | Deposit Age: Quaternary | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: diamicton | Primary Material Modifier: sandy silt to silty sand | Secondary Material: | Primary General: glacial | Primary General Modifier: | Veneer: | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: N-NE | Carbon Content: | Formation: Undifferentiated silty-sandy till on Paleozoic terrain | Permeability: Low-Medium | Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 28334 | Unit Name: Till |

Deposit Type Code: 1a | Deposit Age: Quaternary | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: diamicton | Primary Material Modifier: sandy silt to silty sand | Secondary Material: | Primary General: glacial | Primary General Modifier: | Veneer: | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: N-NE | Carbon Content: | Formation: Undifferentiated silty-sandy till on Paleozoic terrain | Permeability: Low-Medium | Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc



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ID: 28337 | Unit Name: Bedrock |

Deposit Type Code: Pa | Deposit Age: Paleozoic | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: Paleozoic Bedrock | Primary Material Modifier: | Secondary Material: | Primary General: | Primary General

Modifier: | Veneer: clay, silt, sand, gravel, diamicton | Episode: | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated

Quaternary sediments up to 1 m (3 ft) thick.

ID: 28338 | **Unit Name:** Till |

Deposit Type Code: 1a | Deposit Age: Quaternary | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: diamicton | Primary Material Modifier: sandy silt to silty sand | Secondary Material: | Primary General: glacial | Primary General Modifier: | Veneer: | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: N-NE | Carbon Content: | Formation: Undifferentiated silty-sandy till on Paleozoic terrain | Permeability: Low-Medium | Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 28369 | Unit Name: Bedrock |

Deposit Type Code: Pa | Deposit Age: Paleozoic | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: Paleozoic Bedrock | Primary Material Modifier: | Secondary Material: | Primary General: | Primary General: Modifier: | Veneer: clay, silt, sand, gravel, diamicton | Episode: | Sub Episode: | Phase: | Stratus Modifier: Surface | Provenance: | Carbon Content: | Formation: | Permeability: Variable | Material Description: Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occuring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 28468 | **Unit Name**: Till |

Deposit Type Code: 1a | Deposit Age: Quaternary | Map Number: of3103 | Map Name: Ottawa | Source Map Scale: 1:50 000 | Primary Material: diamicton | Primary Material Modifier: sandy silt to silty sand | Secondary Material: | Primary General: glacial | Primary General Modifier: | Veneer: | Episode: Wisconsin | Sub Episode: Michigan | Phase: | Stratus Modifier: Surface | Provenance: N-NE | Carbon Content: | Formation: Undifferentiated silty-sandy till on Paleozoic terrain | Permeability: Low-Medium | Material Description: Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc





Surface Geology Report Metadata Ontario Geological Survey 2010. Surficial geology of southern Ontario;

Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

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ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier- This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

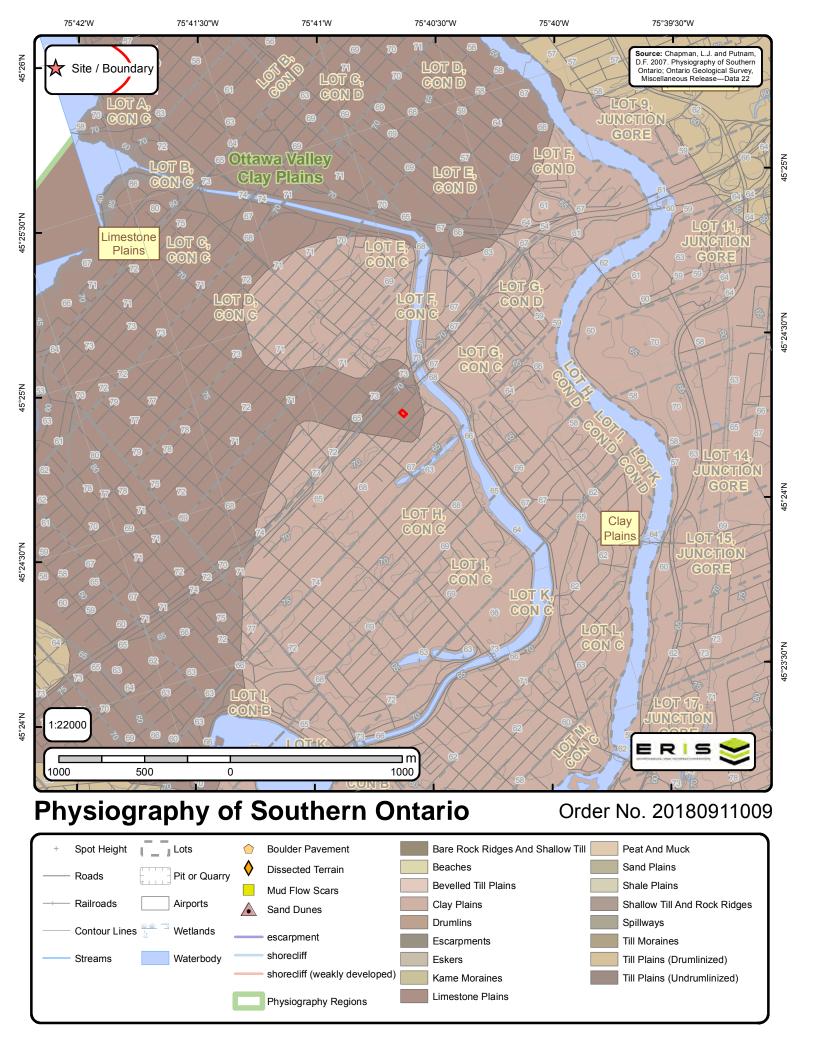
Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

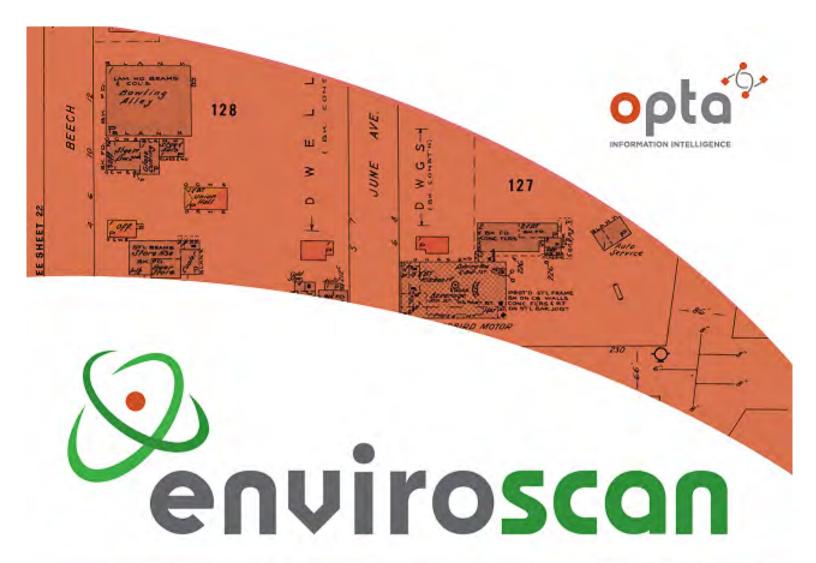
Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.











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T: 905-882-6300 W: www.optaintel.ca

Report Completed By:

Sunita

Site Address:

28 30 Pretoria Avenue Ottawa Ont

Project No:

20180911009 Opta Order ID:

53153

Requested by:

Eleanor Goolab ERIS

Date Completed:

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Opta Historical Environmental Services Enviroscan Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.



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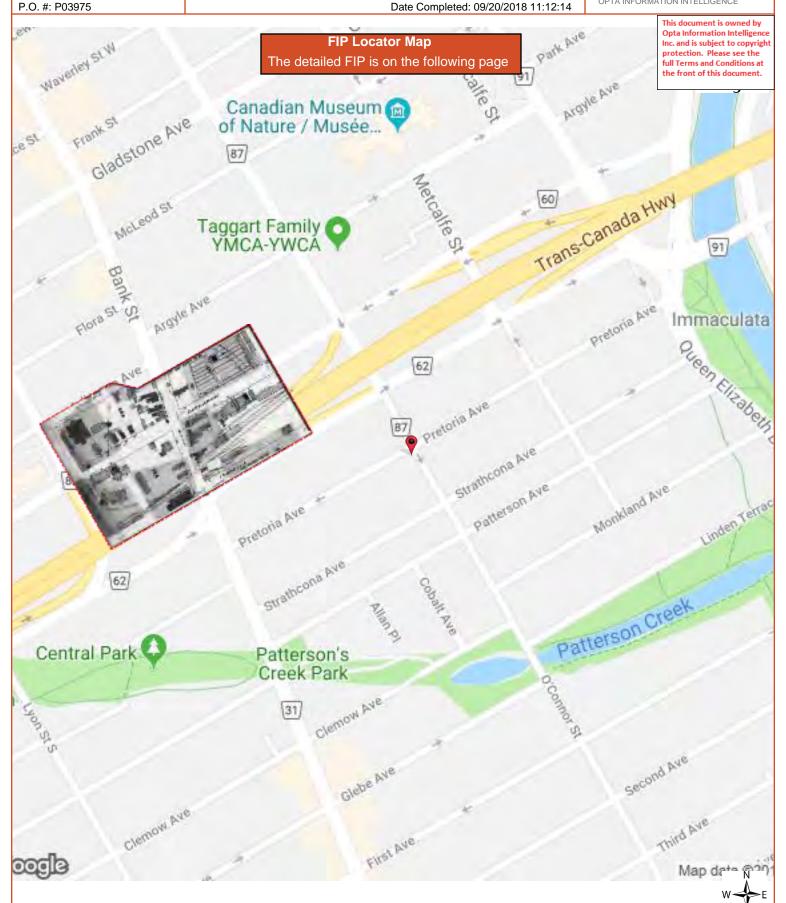
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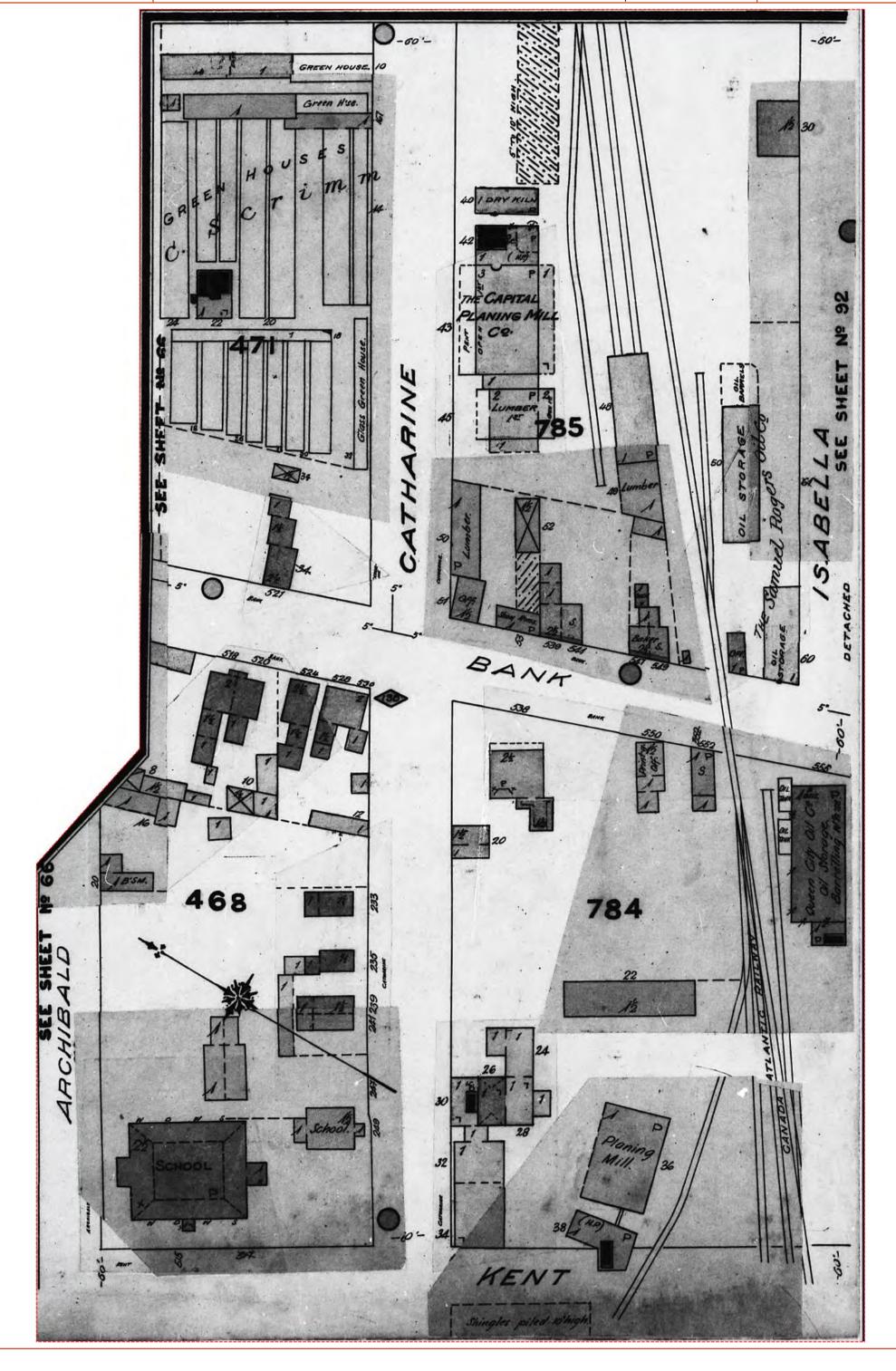
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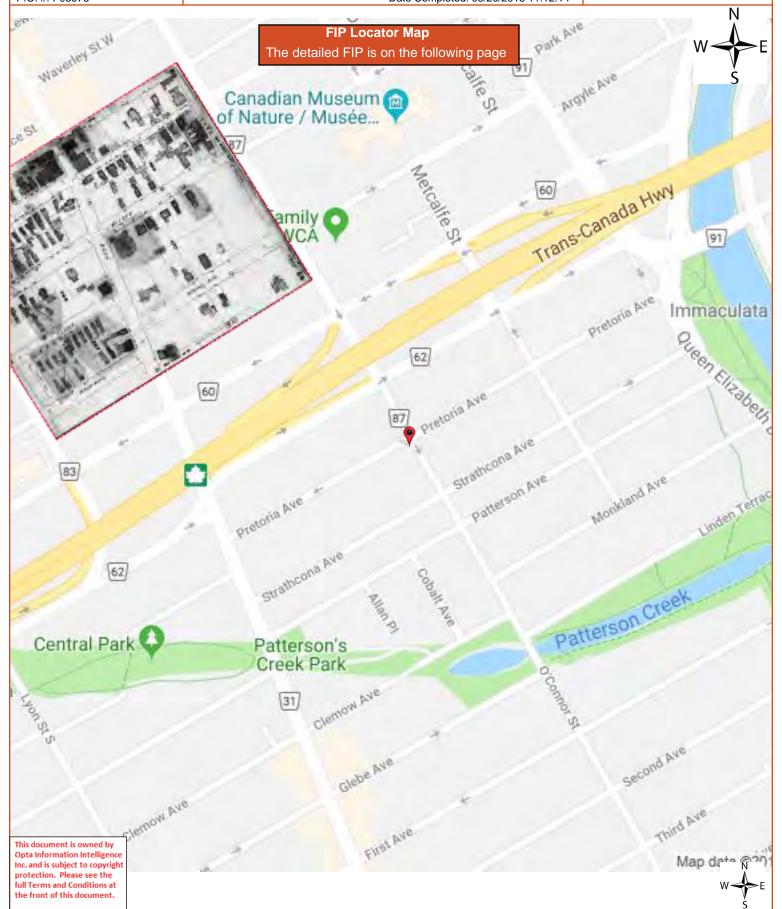
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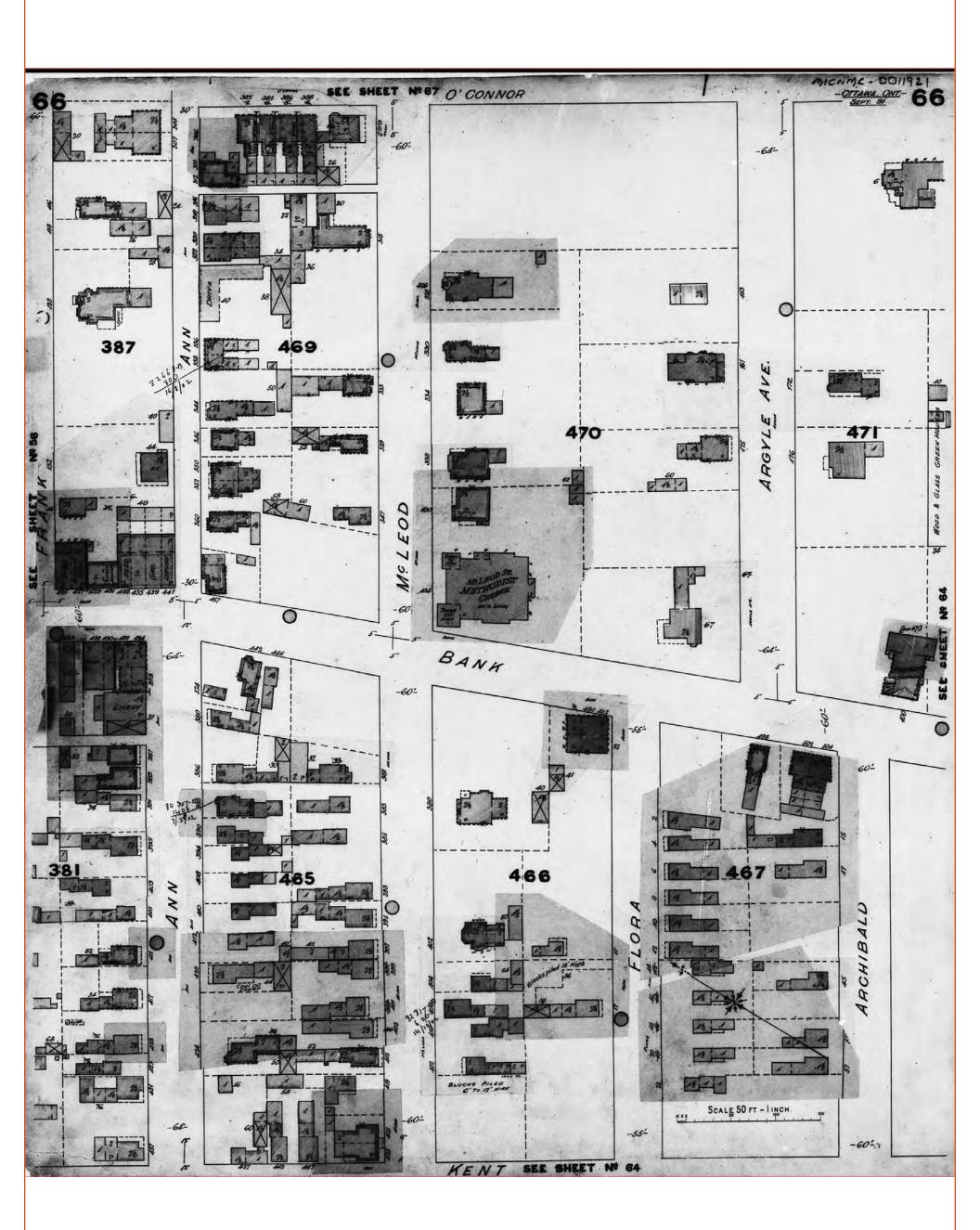
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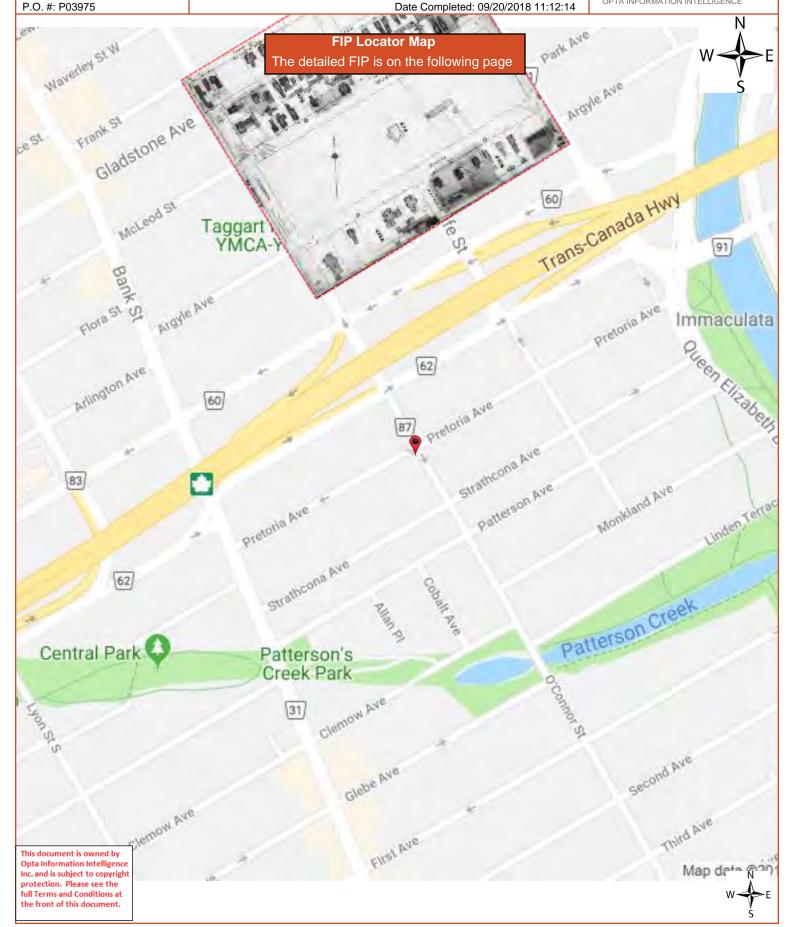
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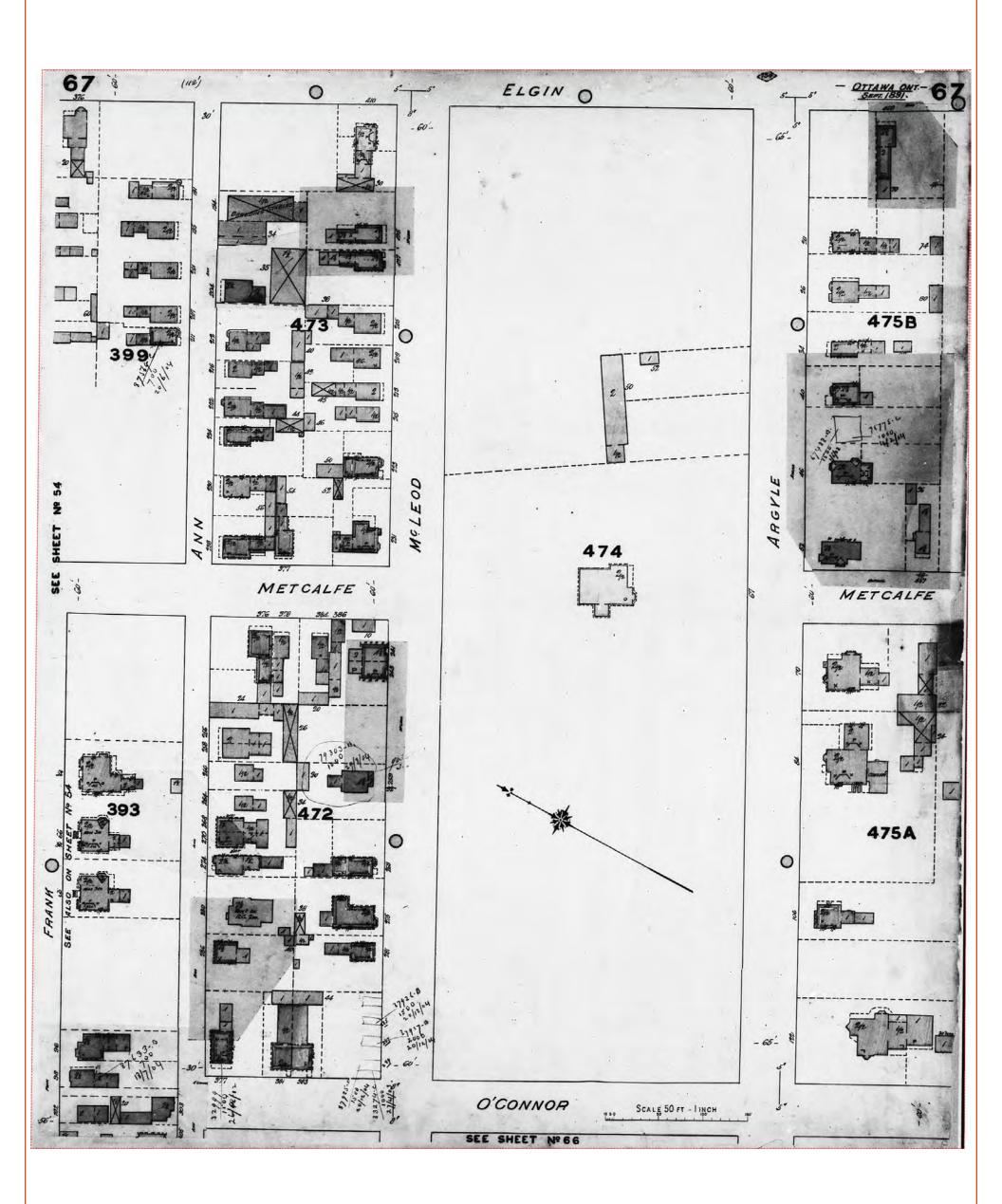
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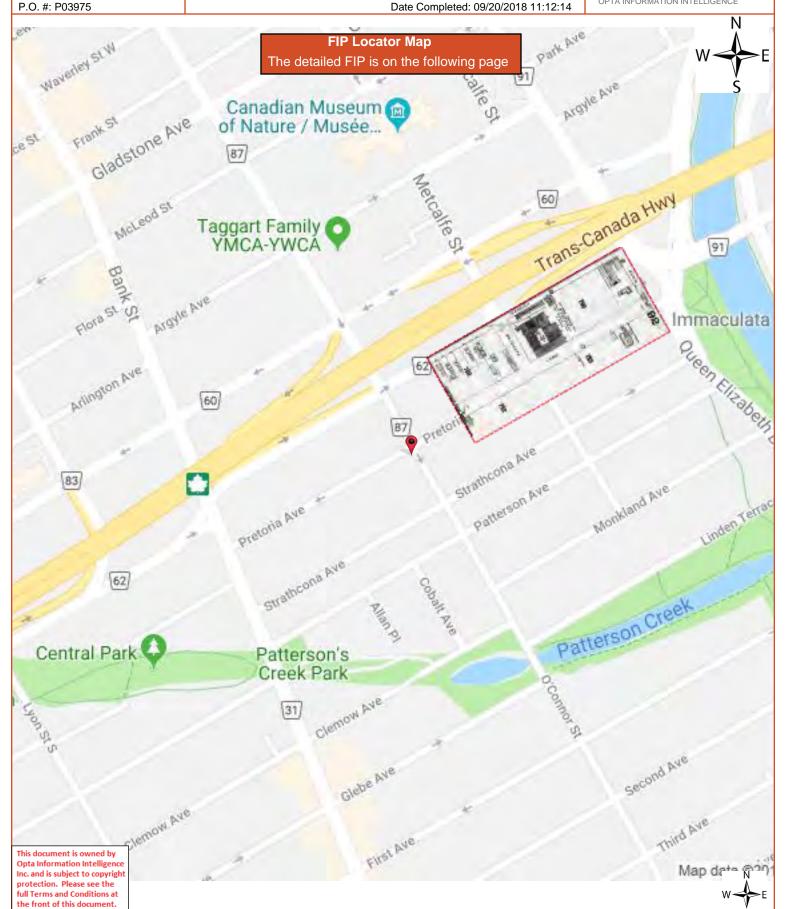
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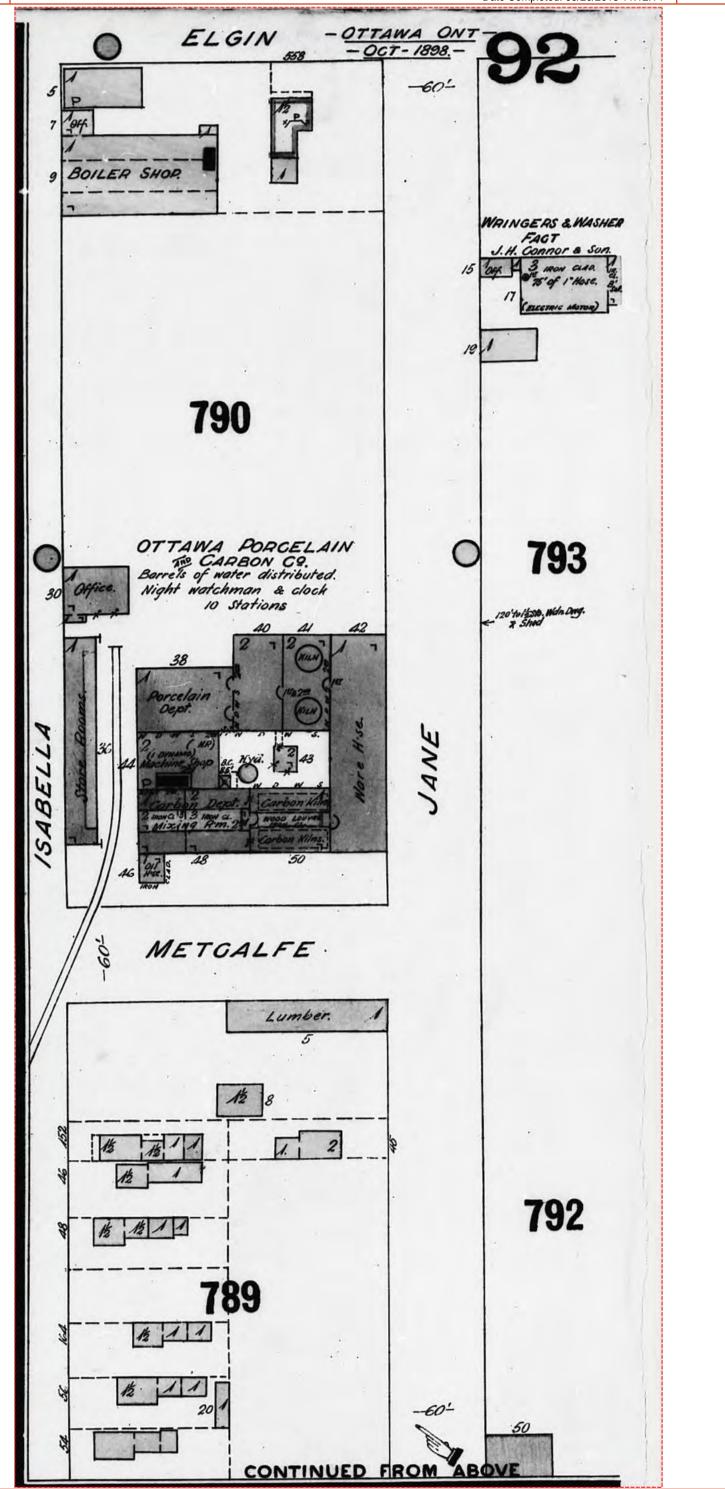
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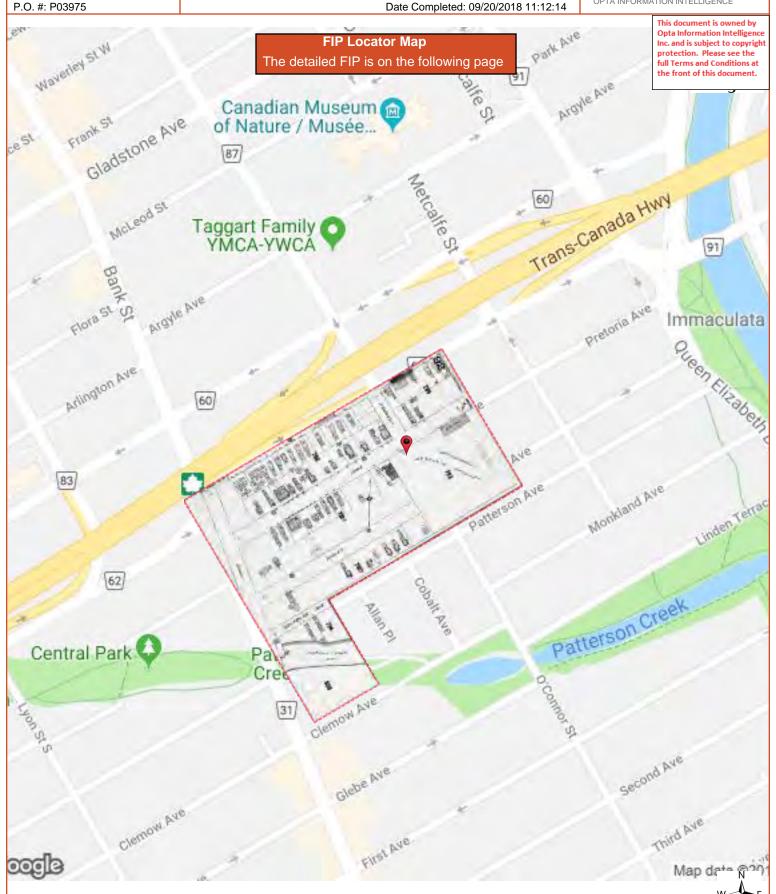
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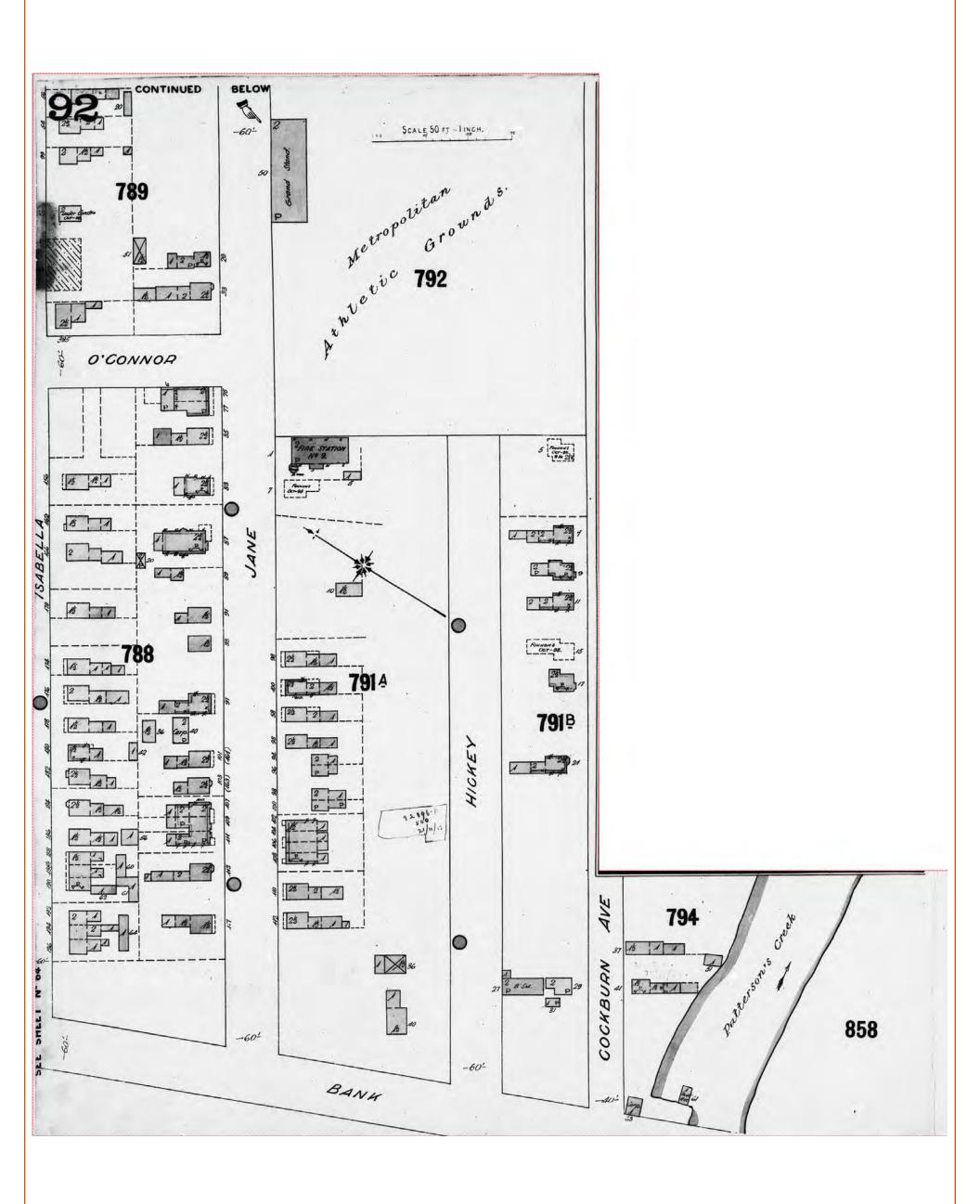
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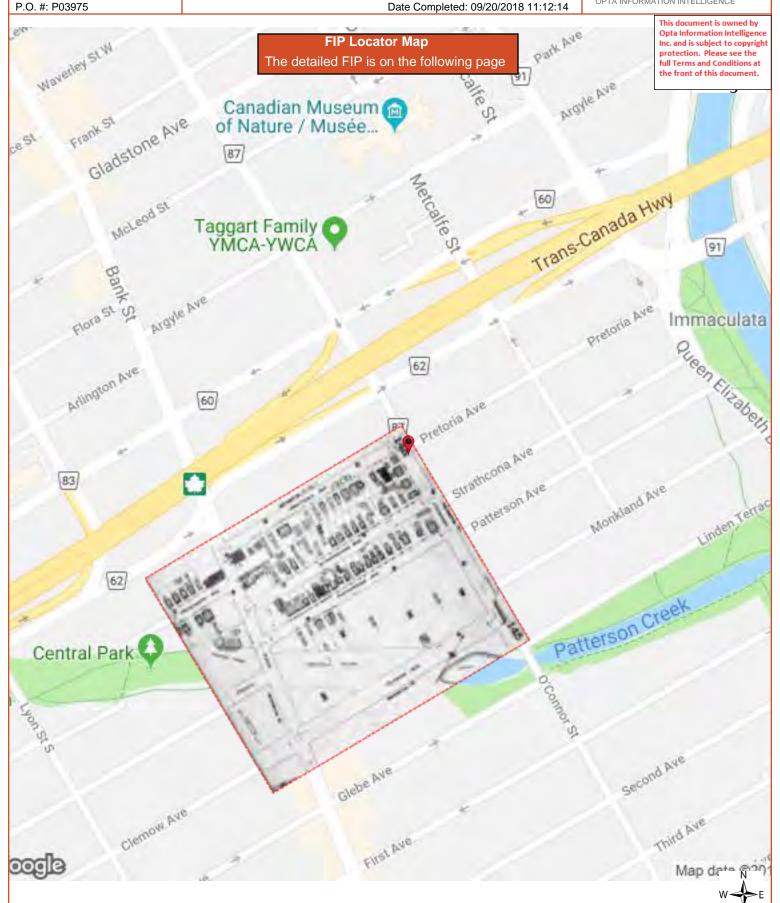
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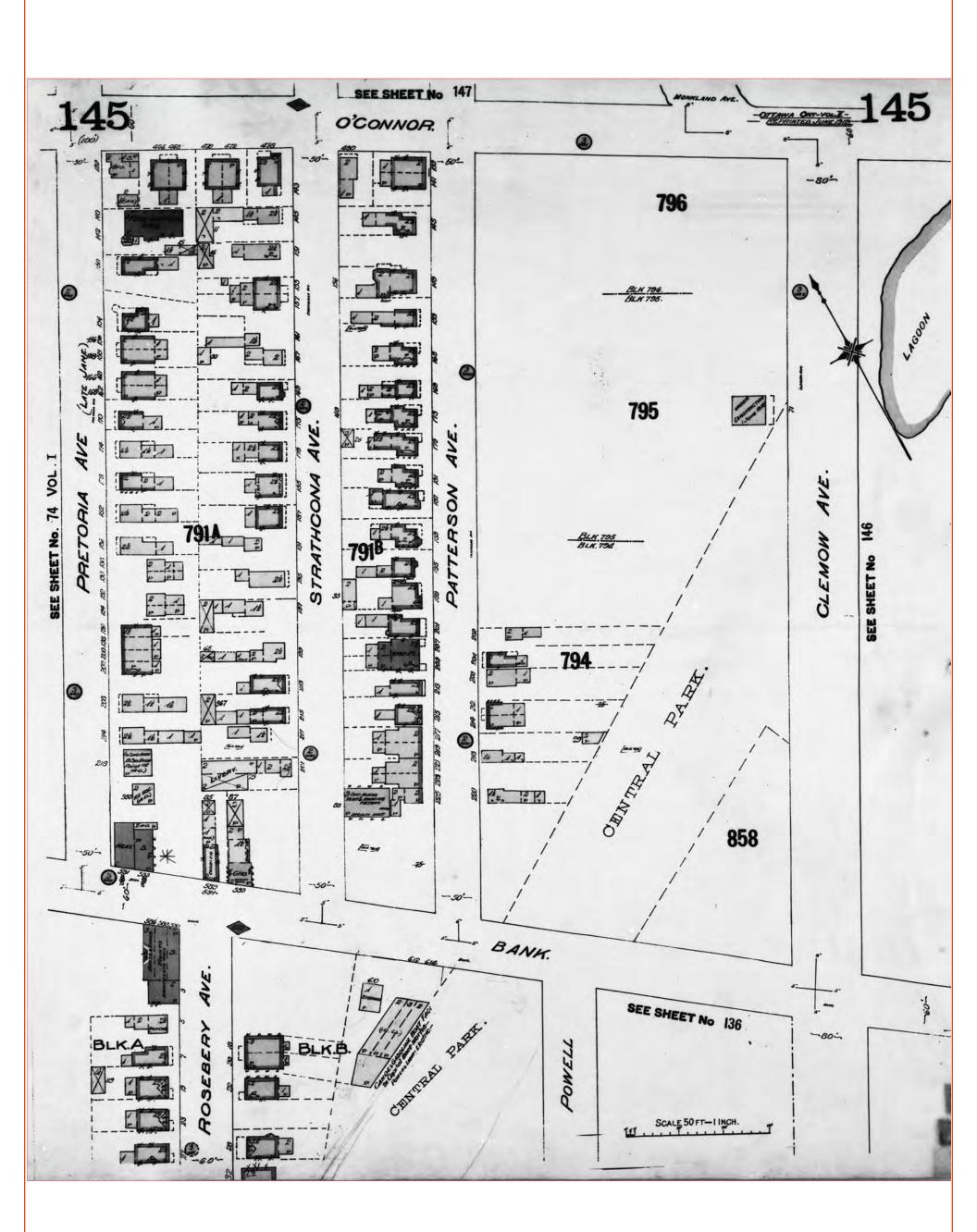
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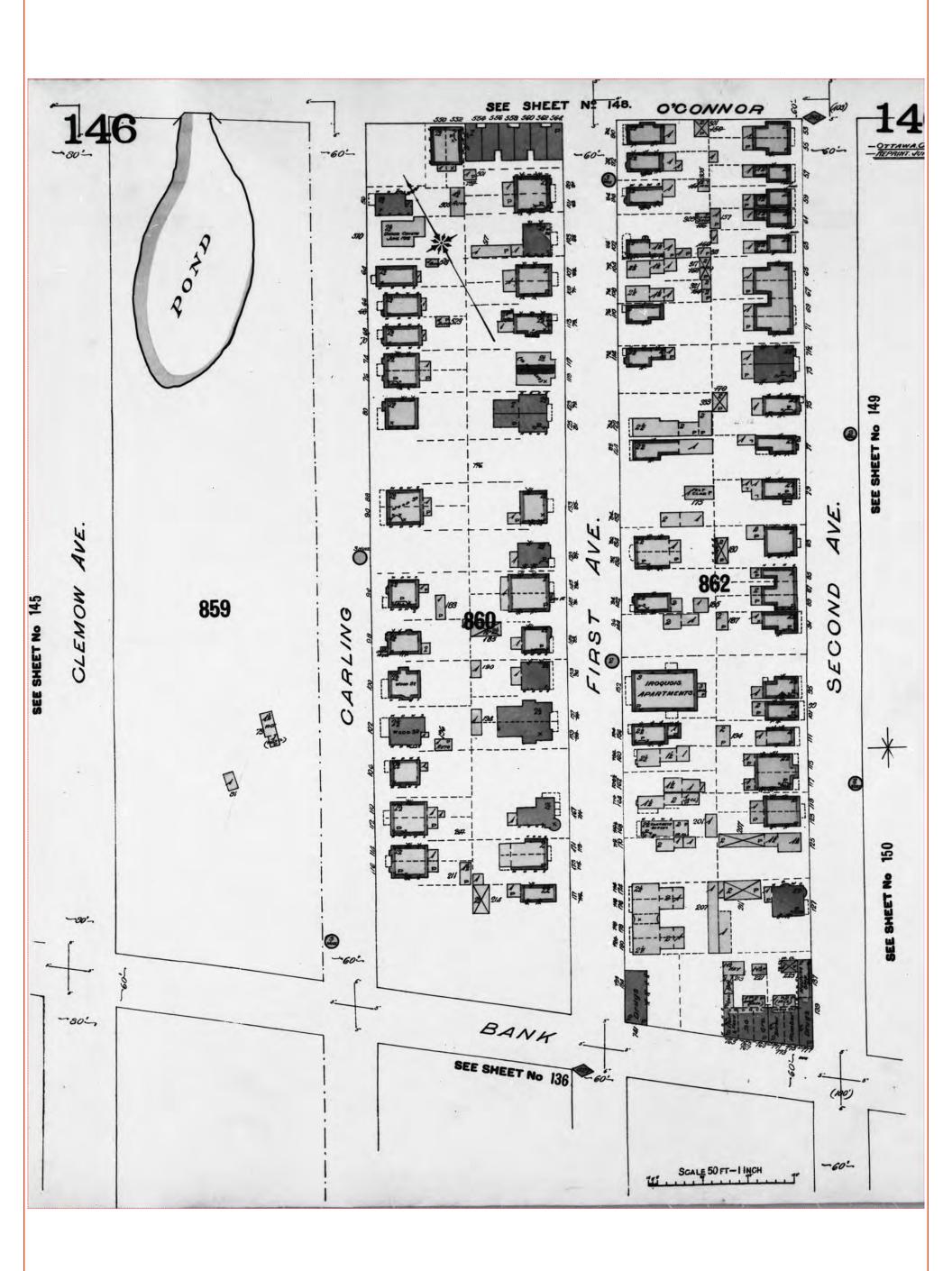
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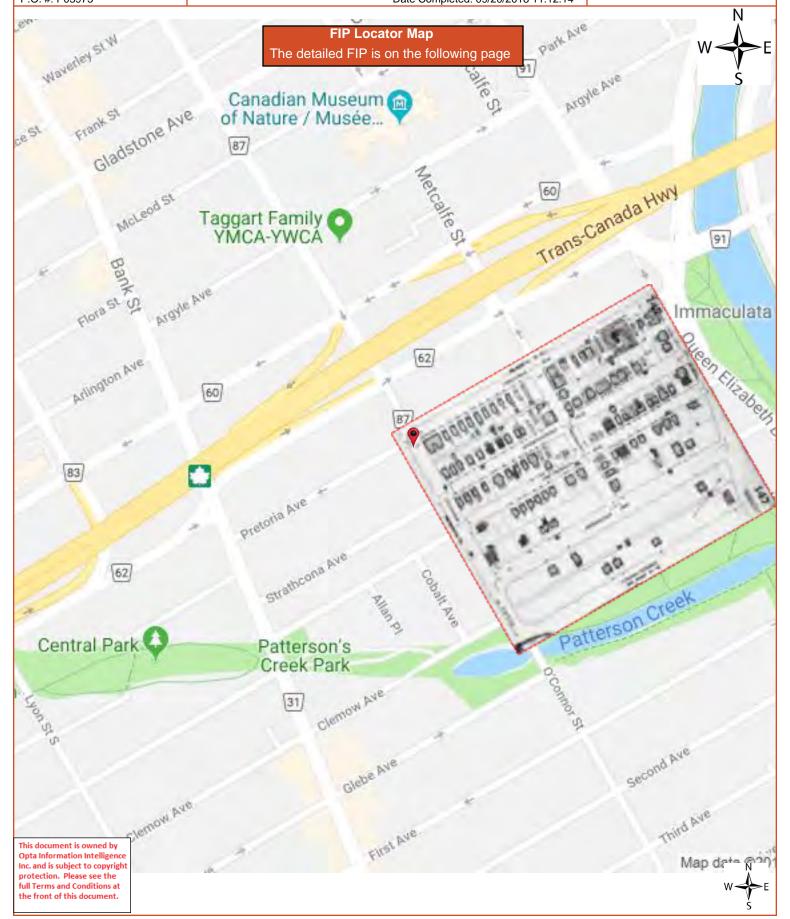
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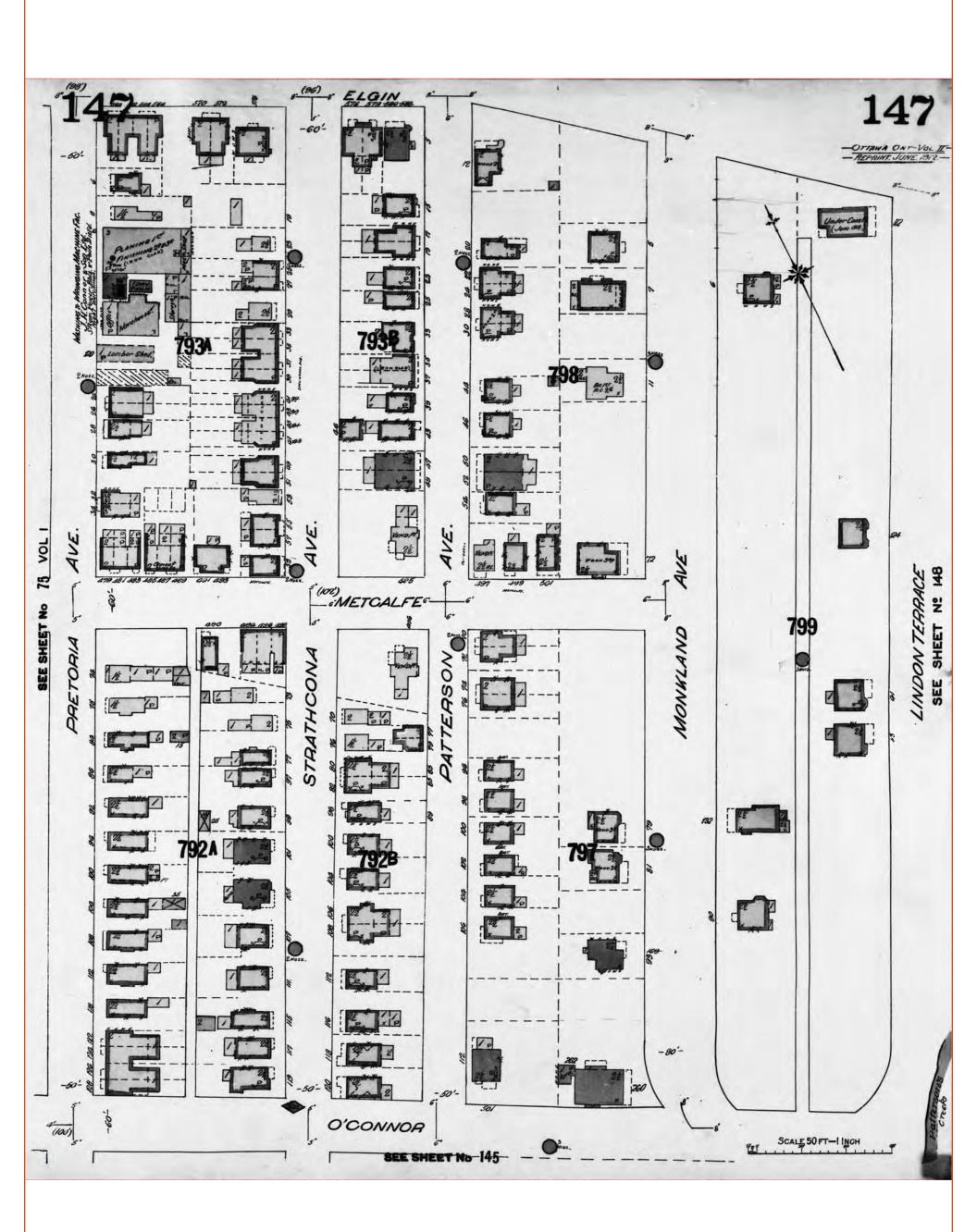
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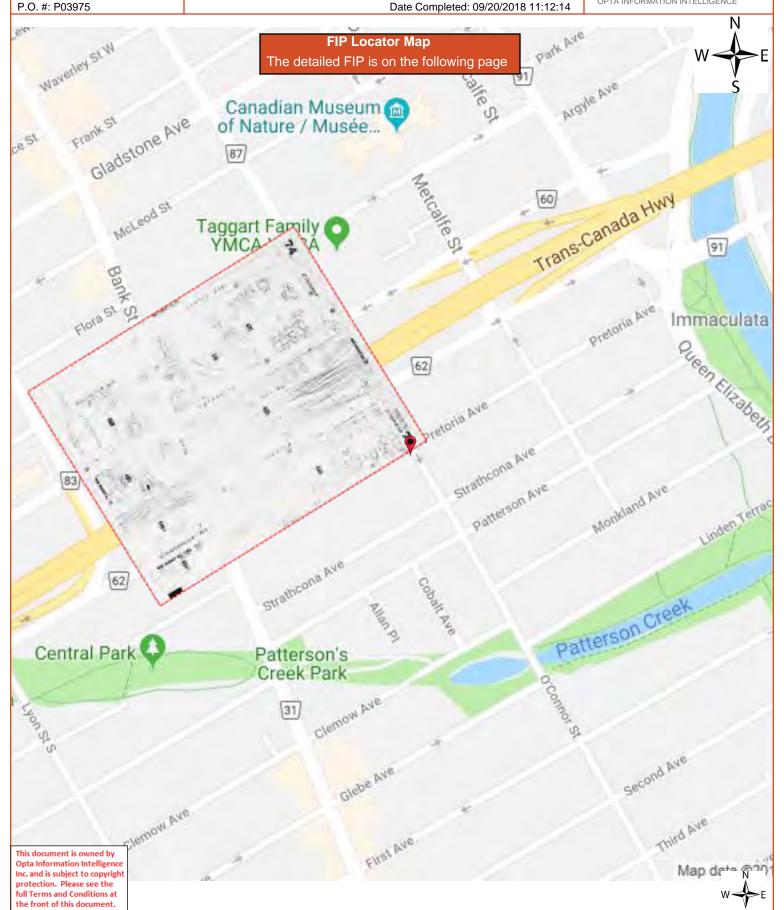
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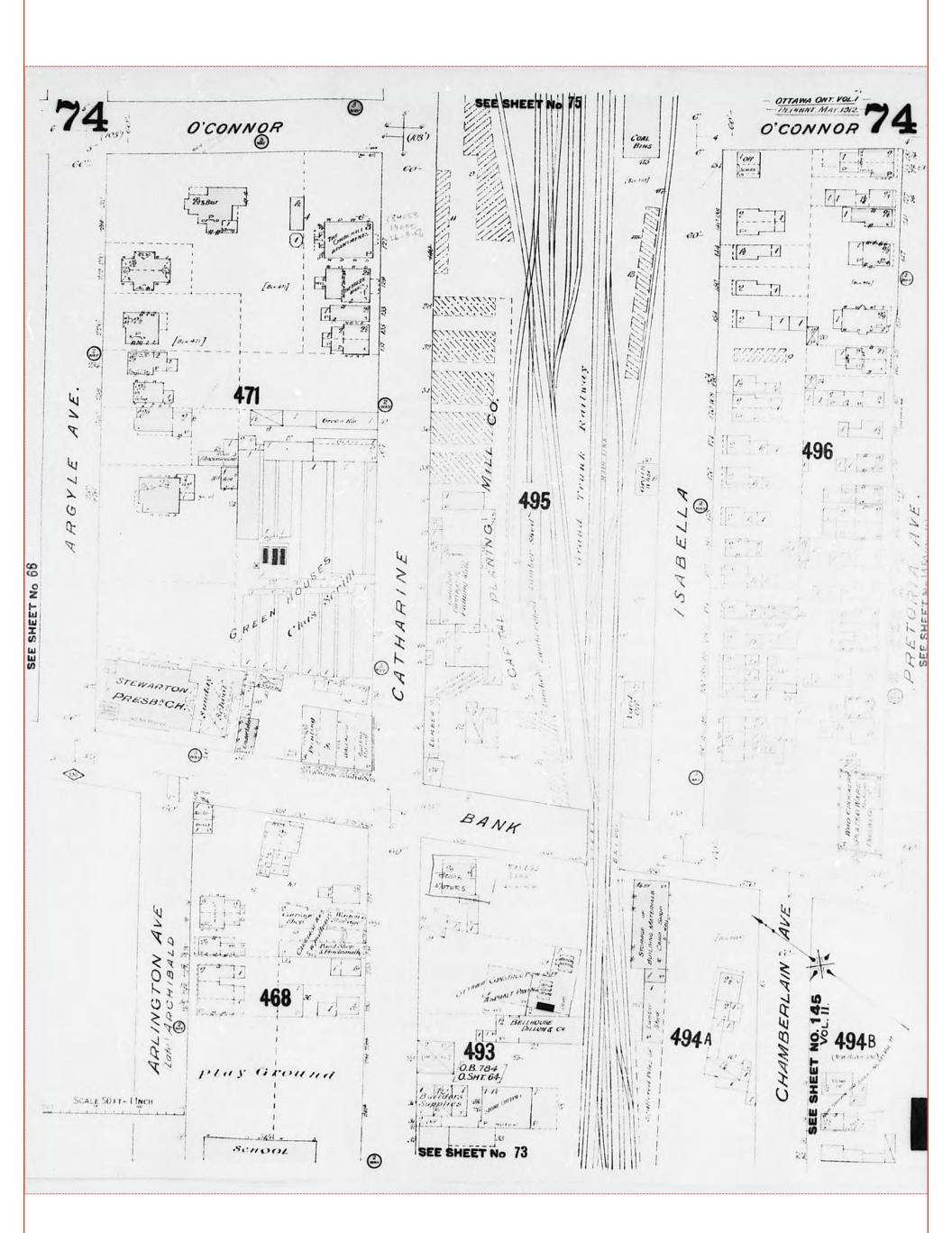
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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

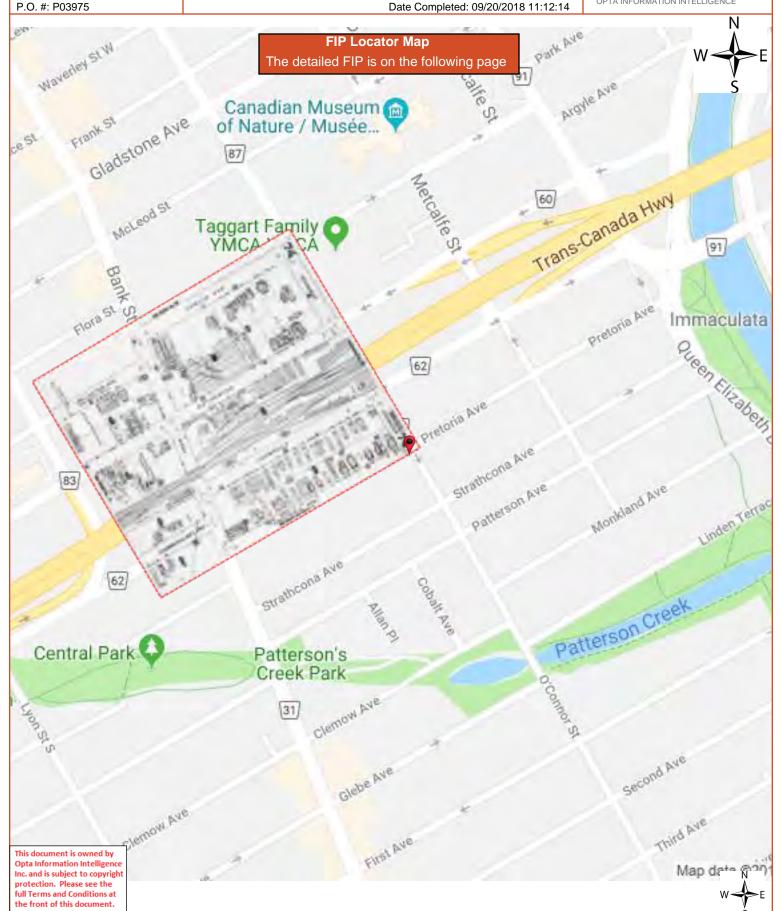
ENVIROSCAN Report

1912 Volume: Ottawa 1 Firemap: 74 **Ottawa Volume 1 Plan: 1432 (1902)**

Sheet: 74 (1912) Eleanor Goolab

Requested by:

enviroscon



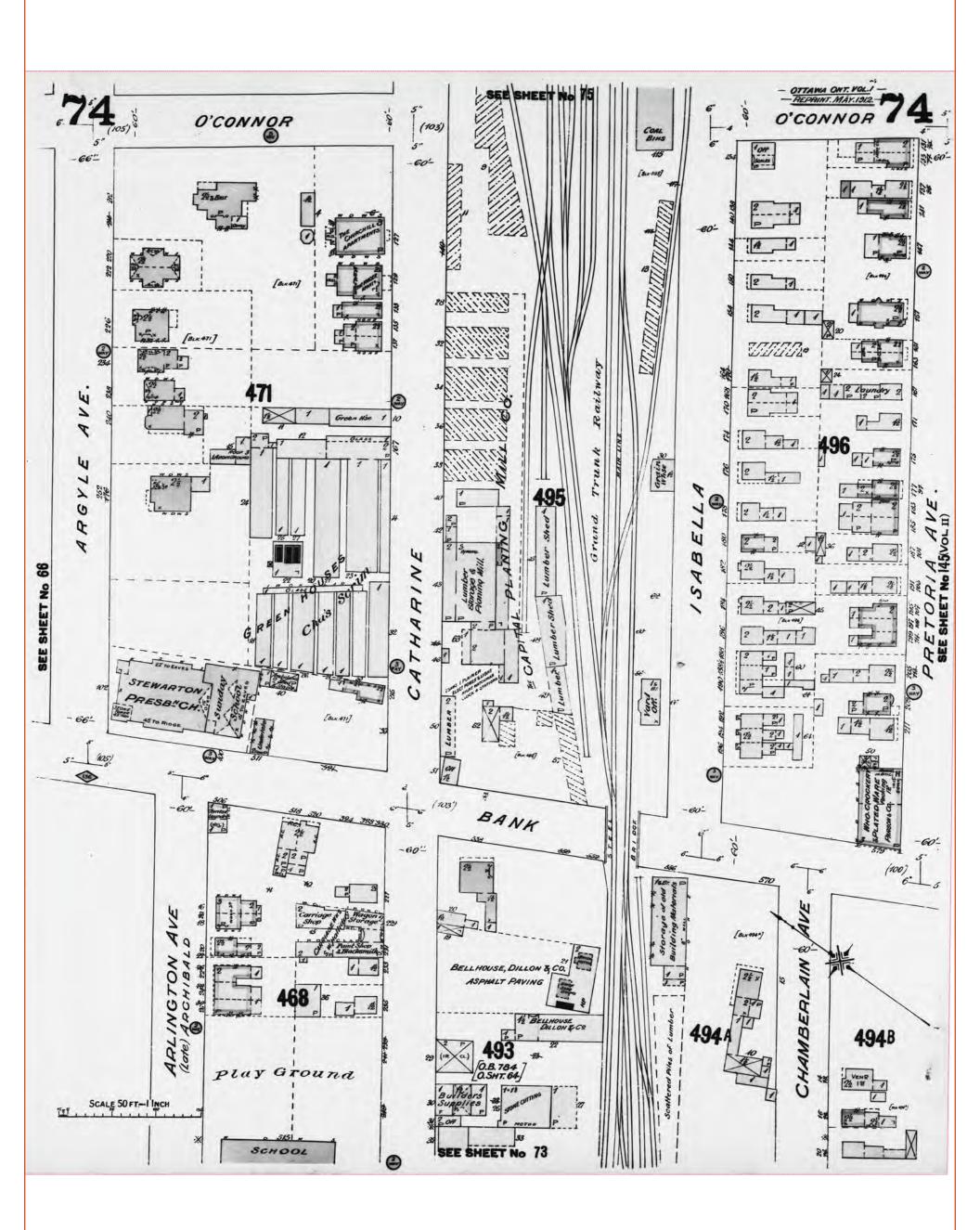
Page: 24
Project Name: Phase I ESA RSC
2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

1912 Volume: Ottawa 1 Firemap: 74 Ottawa Volume 1 Plan: 1432 (1902) Sheet: 74 (1912)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

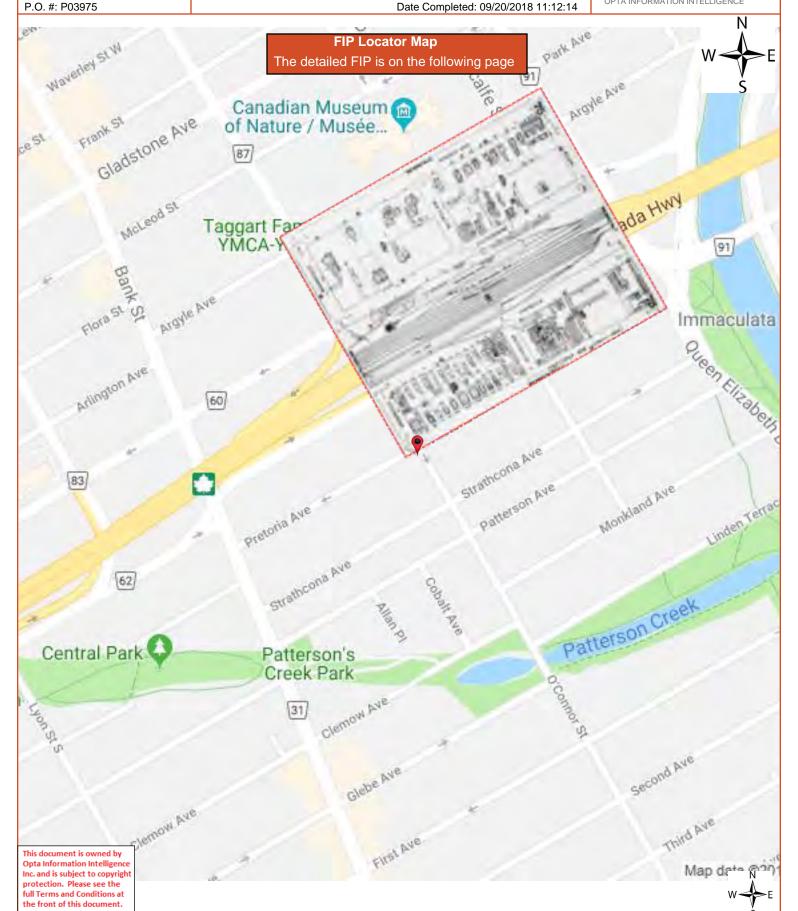
ENVIROSCAN Report

1912 Volume: Ottawa 1 Firemap: 75 **Ottawa Volume 1 Plan: 1432 (1902)**

Sheet: 75 (1912)

Requested by: Eleanor Goolab





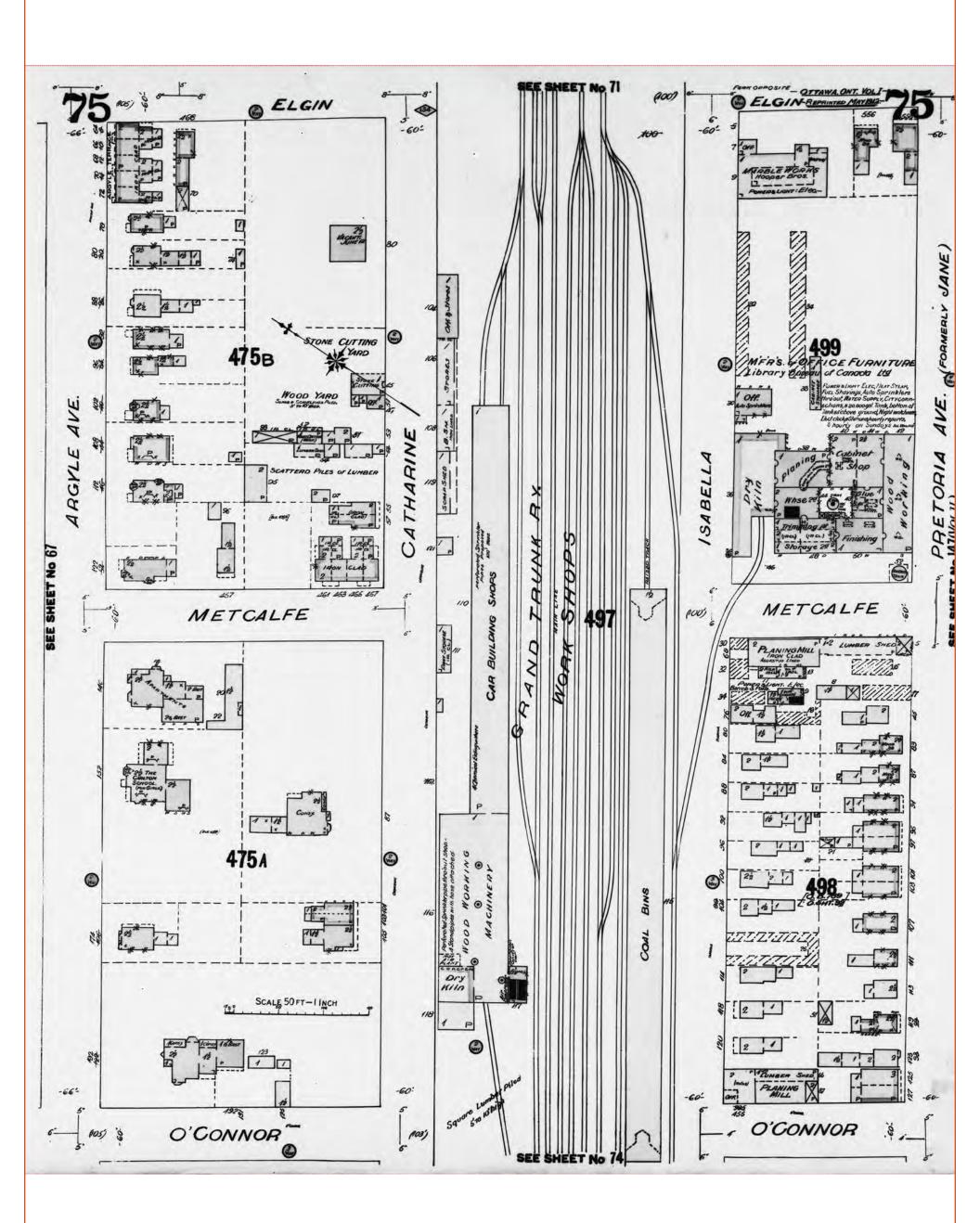
Page: 26 Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

1912 Volume: Ottawa 1 Firemap: 75 Ottawa Volume 1 Plan: 1432 (1902) Sheet: 75 (1912)

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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

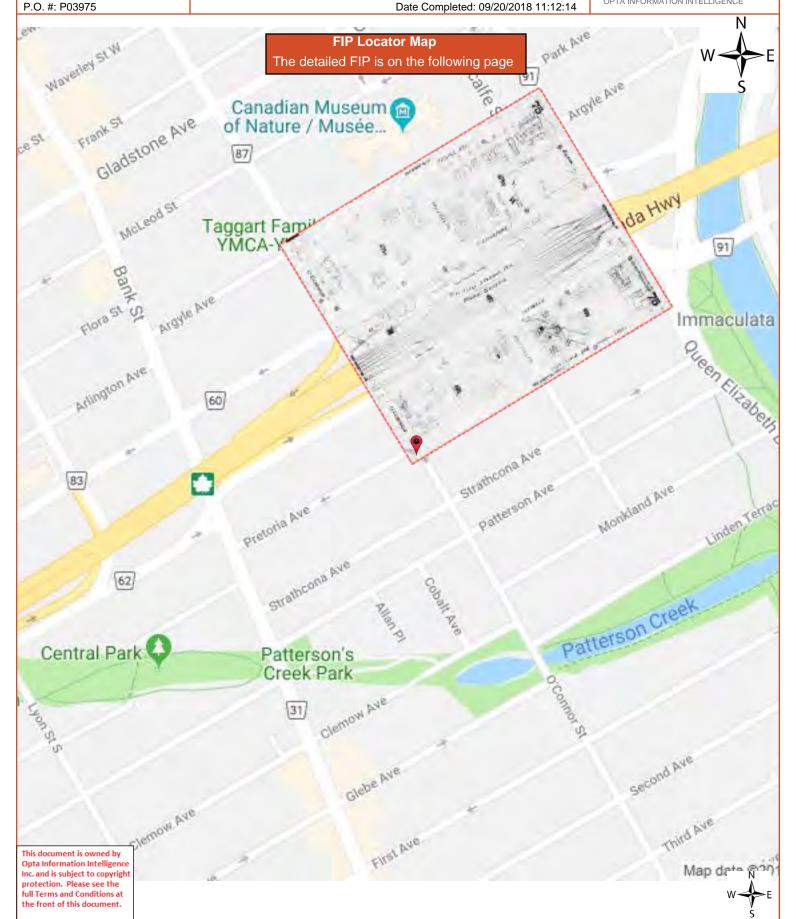
ENVIROSCAN Report

1915 Volume: Ottawa 1 Firemap: 75 **Ottawa Volume 1 Plan: 1432 (1902)**

Sheet: 75 (1915)

Requested by: Eleanor Goolab





Page: 28 Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

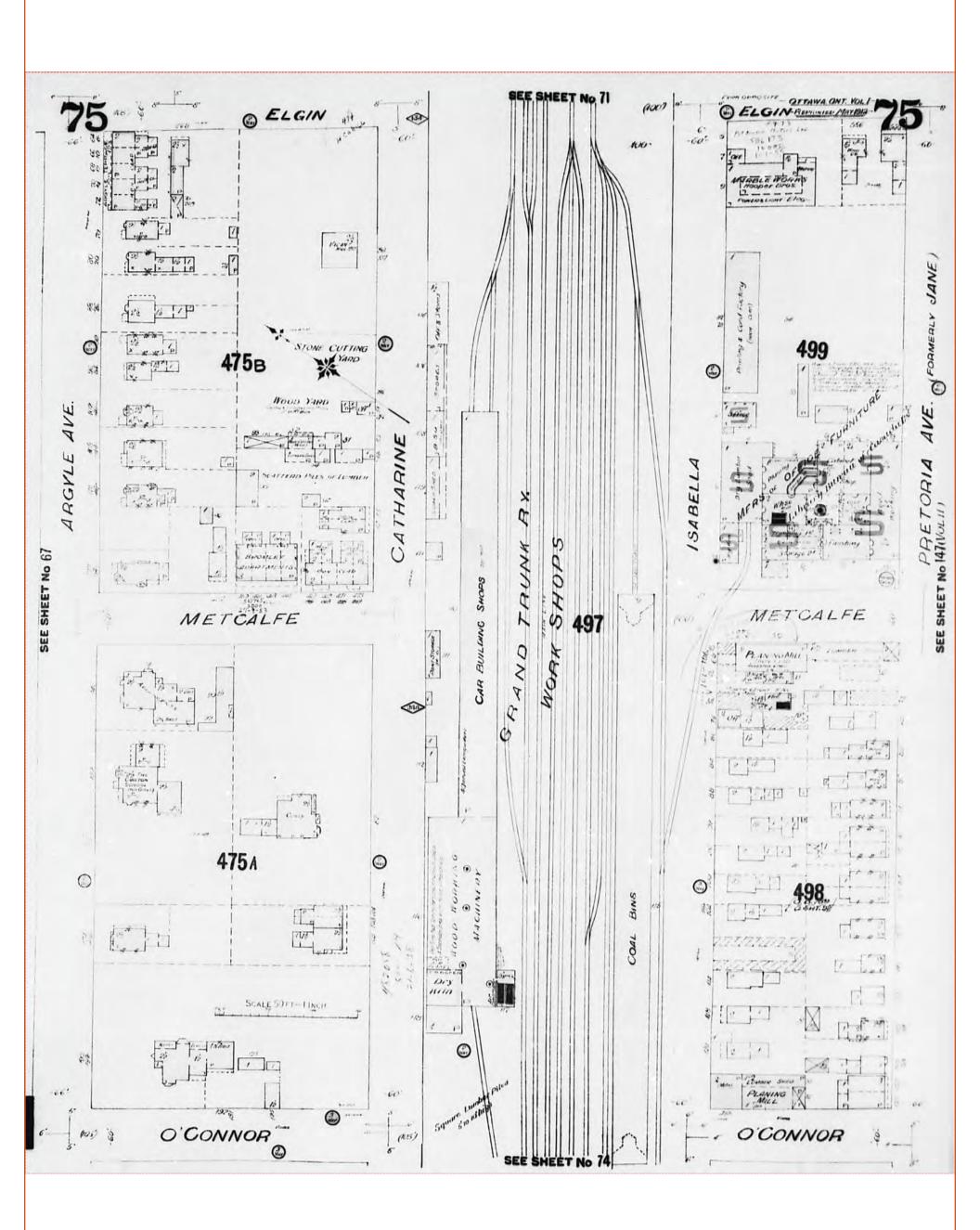
Project #: 20180911009 P.O. #: P03975

1915 Volume: Ottawa 1 Firemap: 75 Ottawa Volume 1 Plan: 1432 (1902)

Sheet: 75 (1915)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





Page: 29 Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

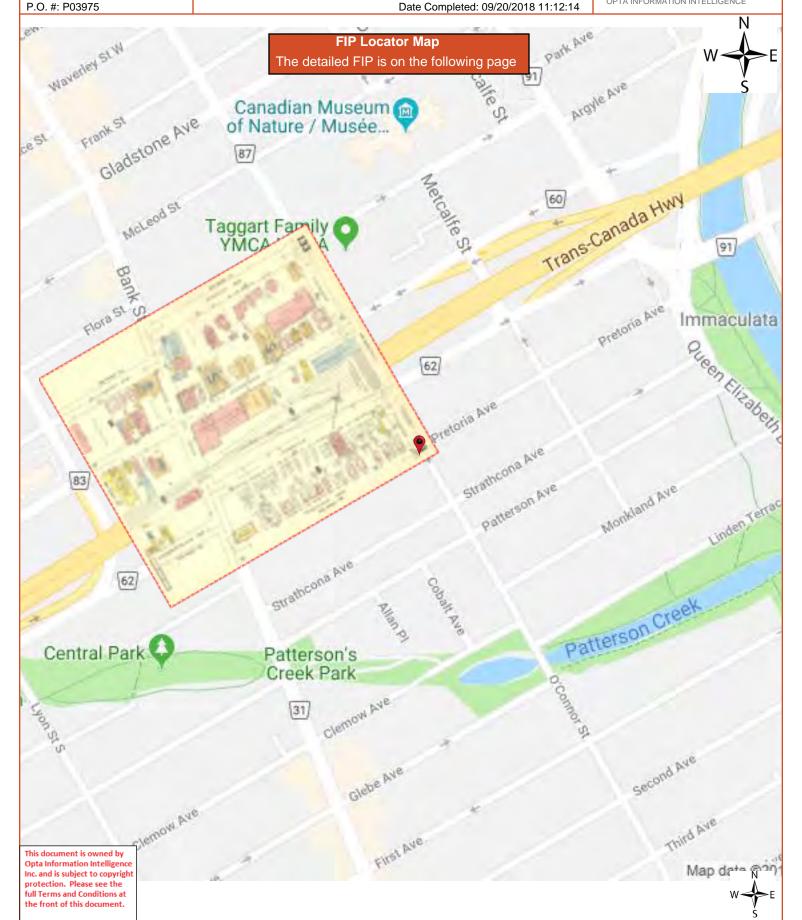
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 133 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 133 (1963)

Requested by: Eleanor Goolab





Page: 30
Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

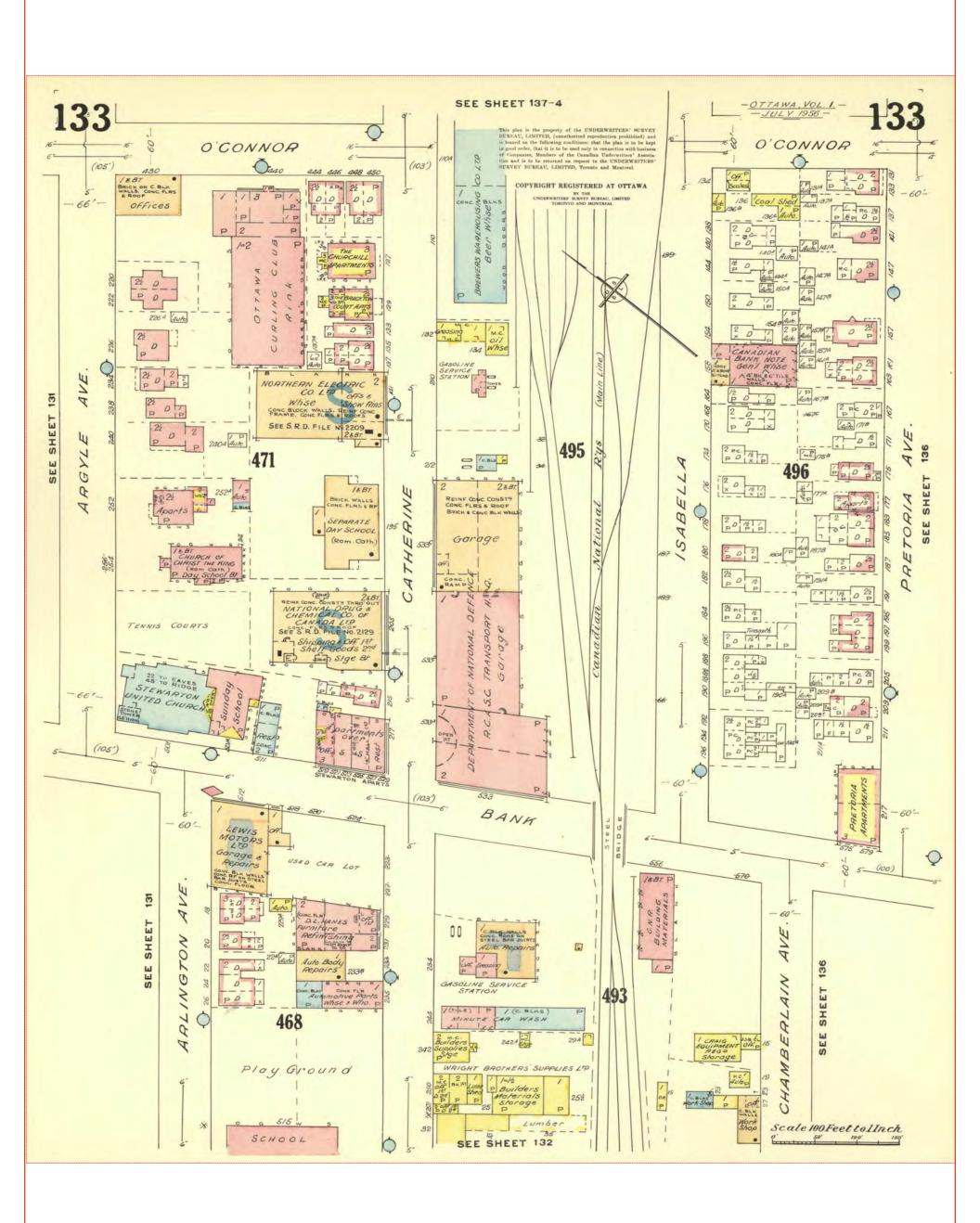
Project #: 20180911009 P.O. #: P03975

1963 Volume: Ottawa 1 Firemap: 133

Ottawa Volume 1 Plan: 1450 (1956) Sheet: 133 (1963)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009

ENVIROSCAN Report

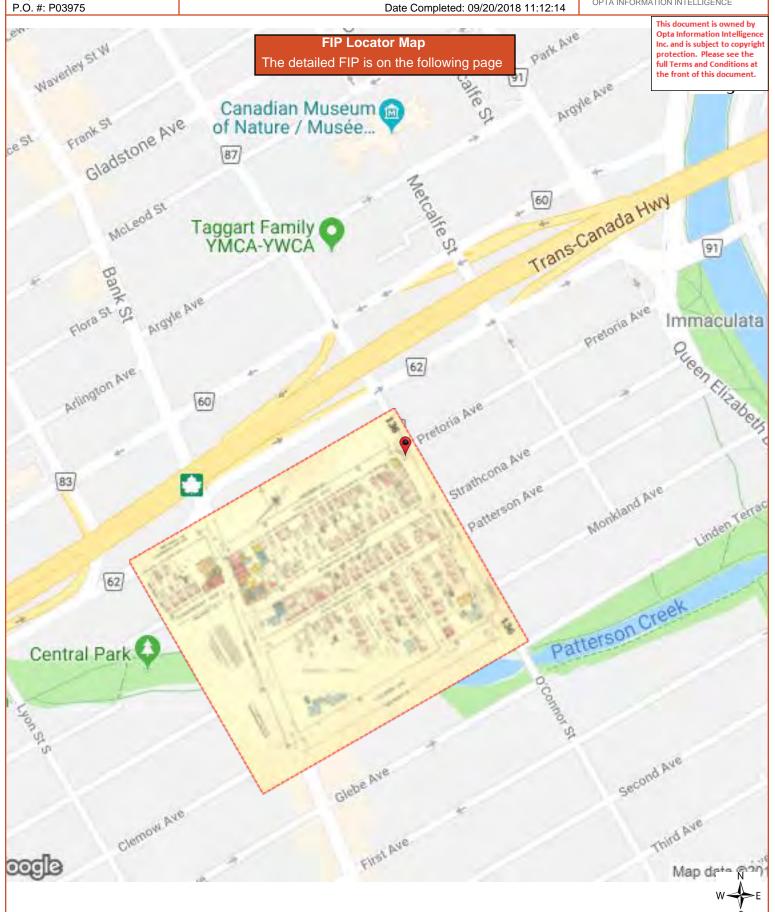
1963 Volume: Ottawa 1 Firemap: 136 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 136 (1963)



Eleanor Goolab





Page: 32 Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

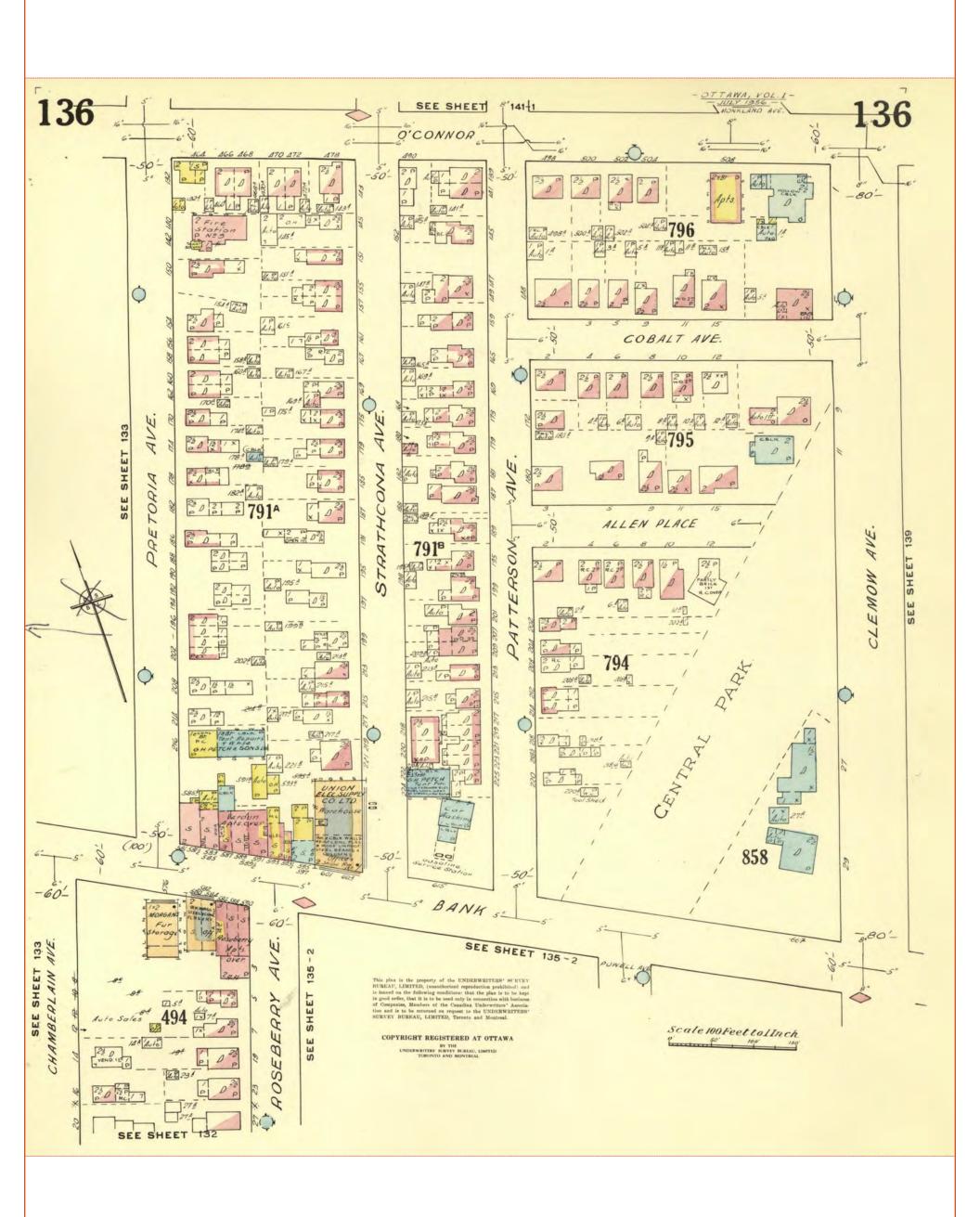
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 136 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 136 (1963)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





ENVIROSCAN Report Page: 33 Project Name: Phase I ESA RSC 1963 Volume: Ottawa 1 Firemap: 139 enviroscan 2830 Pretoria Avenue Ottawa ON Ottawa Volume 1 Plan: 1450 (1956) Requested by: Sheet: 139 (1963) Project #: 20180911009 Eleanor Goolab OPTA INFORMATION INTELLIGENCE P.O. #: P03975 Date Completed: 09/20/2018 11:12:14 This document is owned by Park Ave Opta Information Intelligence Waverley St W FIP Locator Map Inc. and is subject to copyright protection. Please see the The detailed FIP is on the following page full Terms and Conditions at the front of this document. Argyle Ave Canadian Museum of Nature / Musée... Gladstone Ave Frank St ce 51 87 Trans-Canada Hwy McLeod St Taggart Family YMCA-YWCA 91 Argyle Ave Flora St Pretoria Ave Immaculata Queen Elizabeth Arlington Ave 62 Pretoria Ave 60 Strathcona Ave Patterson Ave Monkland Ave 83 Linden Terrac Pretoria Ave Strathcona Ave 62 Patterson Creek Central Park Patterson's Creek Park 31 cond Ave Clemow Ave Third Ave <u>oogla</u> Map data @20

Page: 34 Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

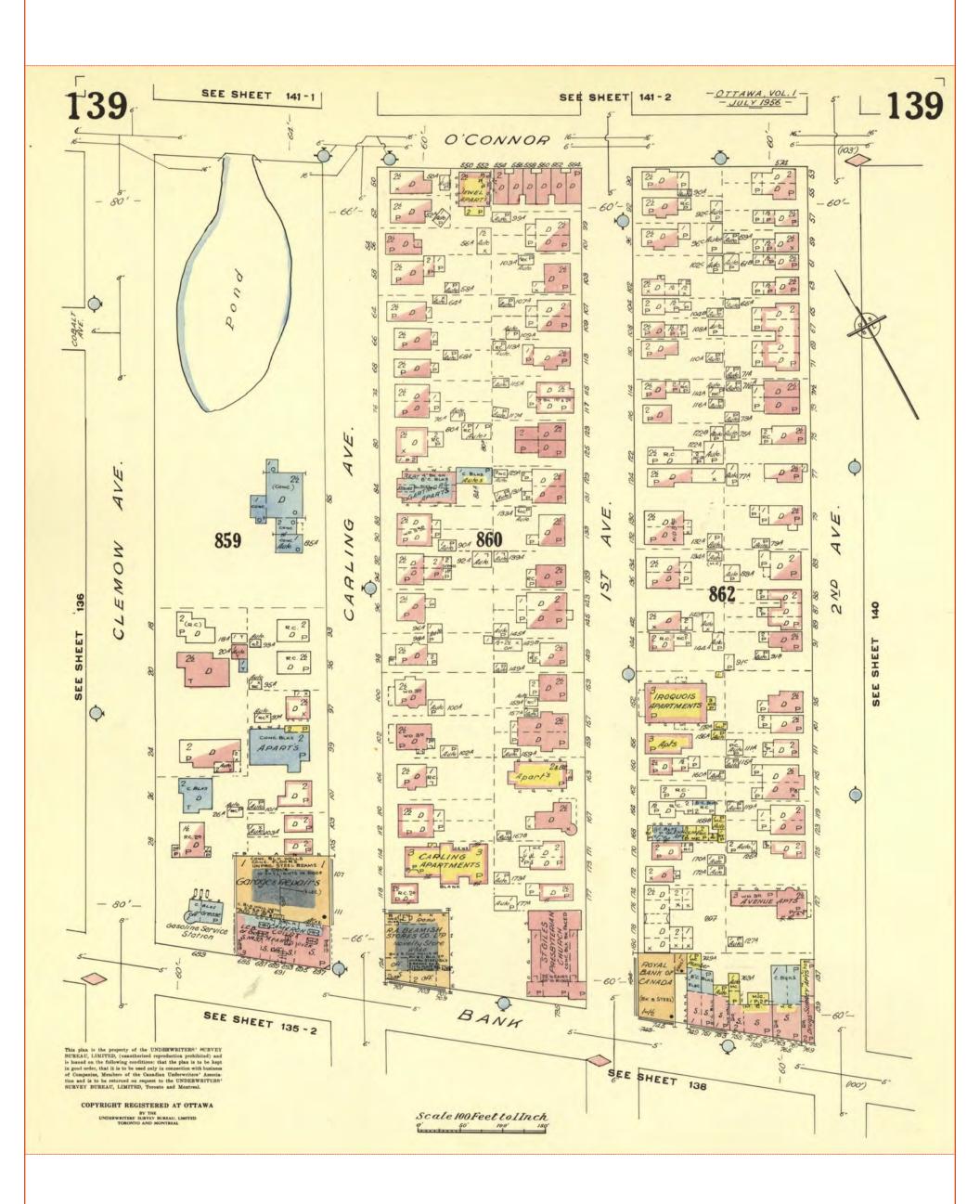
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 139 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 139 (1963)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





Page: 35
Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

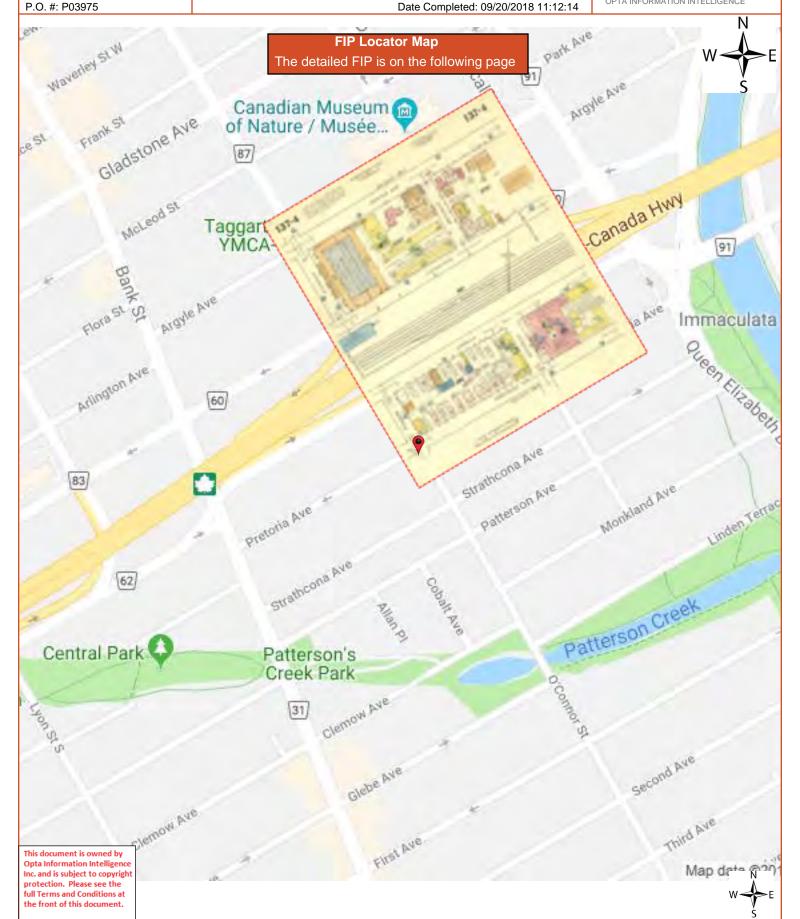
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 137-4

Ottawa Volume 1 Plan: 1450 (1956) Sheet: 137-4 (1963)

Requested by: Eleanor Goolab





Page: 36
Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

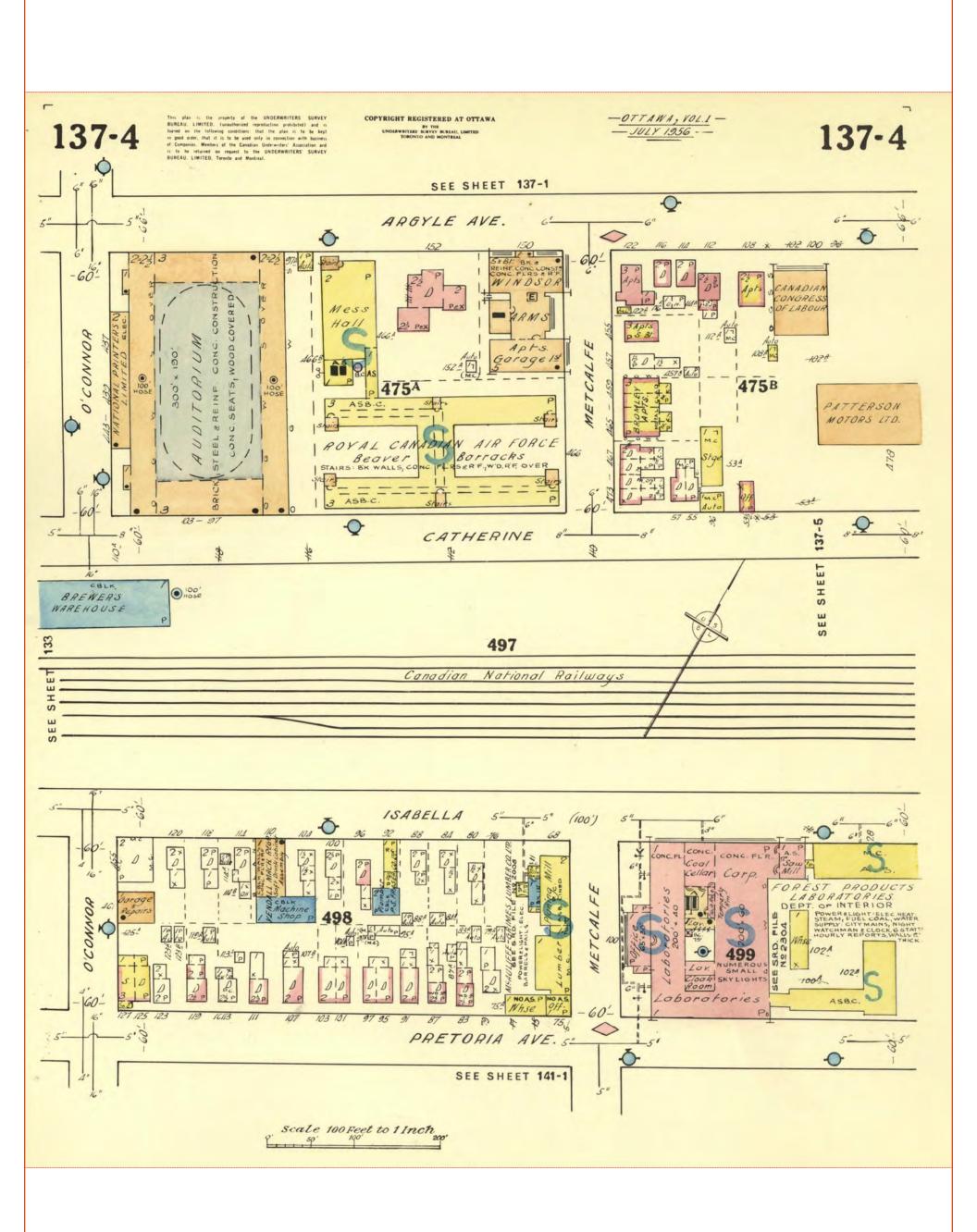
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 137-4 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 137-4 (1963)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





Page: 37
Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009

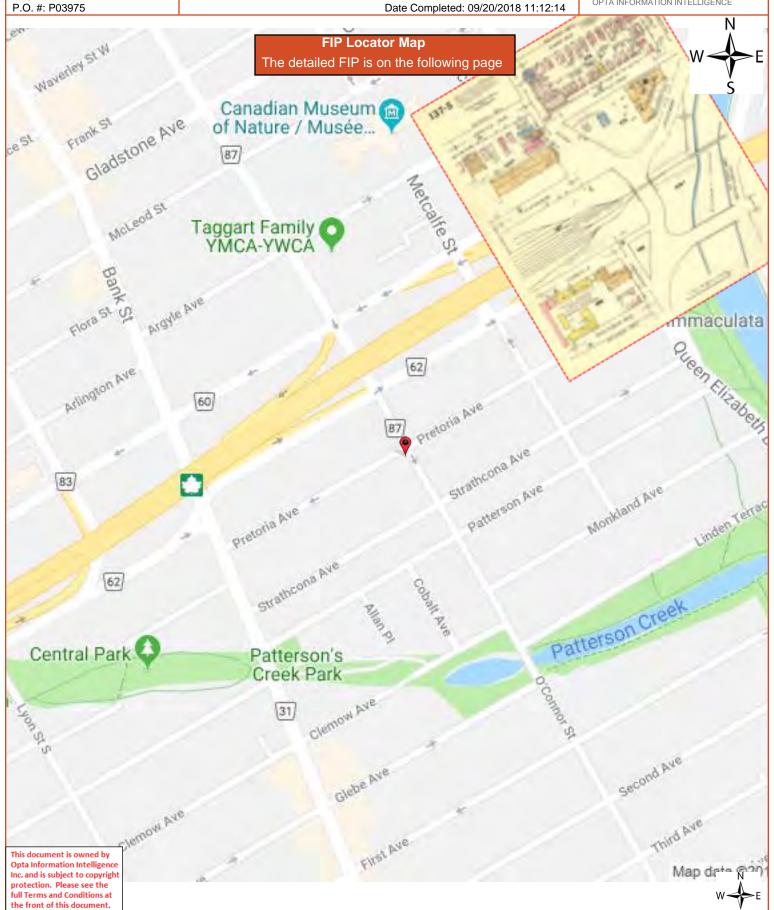
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 137-5

Ottawa Volume 1 Plan: 1450 (1956) Sheet: 137-5 (1963)

Requested by: Eleanor Goolab





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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

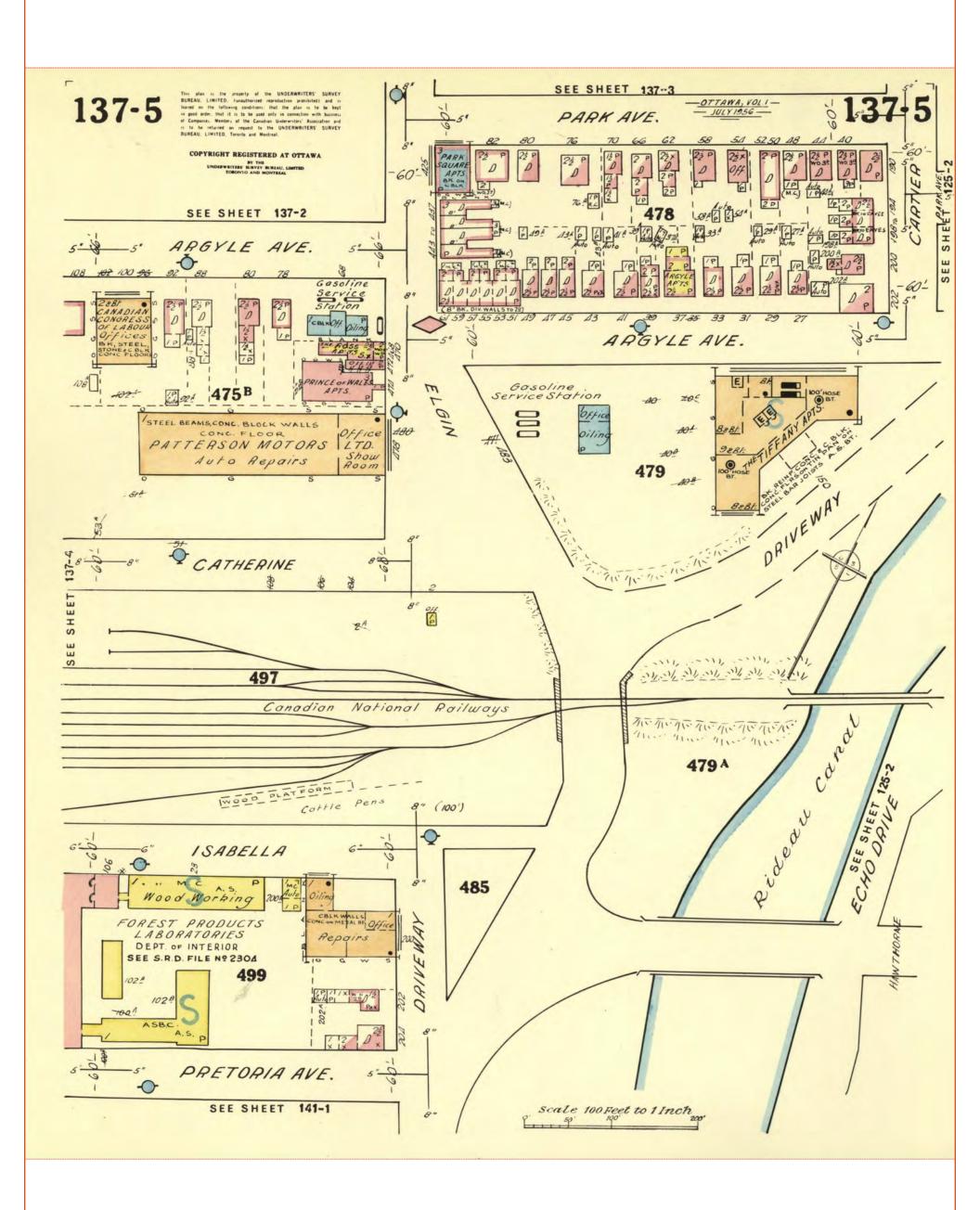
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 137-5 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 137-5 (1963)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

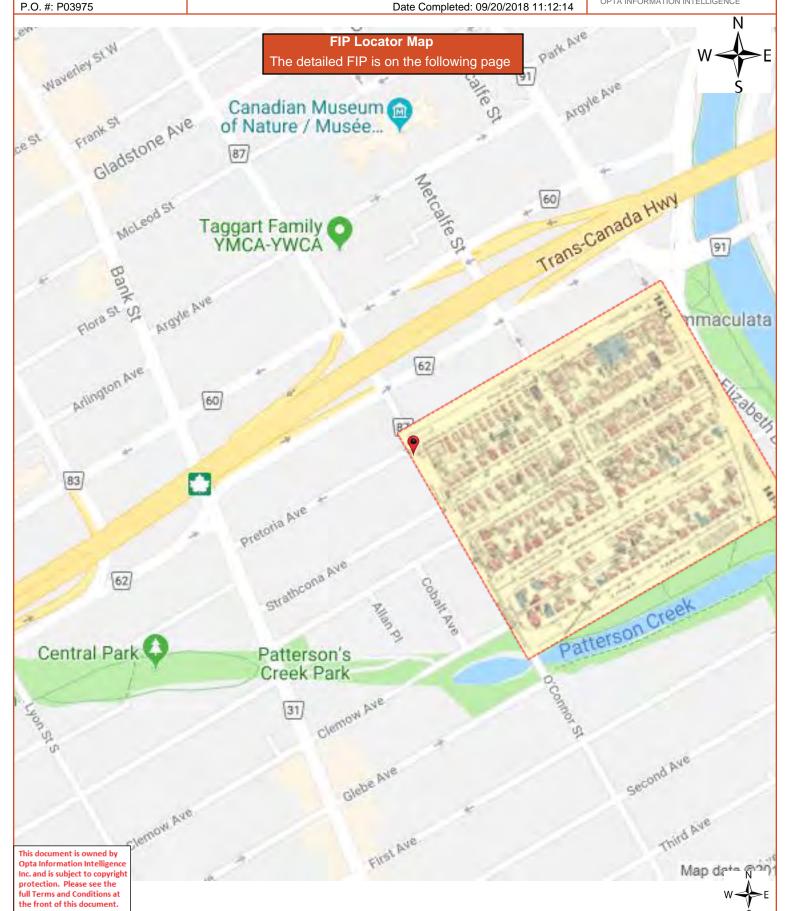
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 141-1

Ottawa Volume 1 Plan: 1450 (1956) Sheet: 141-1 (1963)

Requested by: Eleanor Goolab





Page: 40
Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

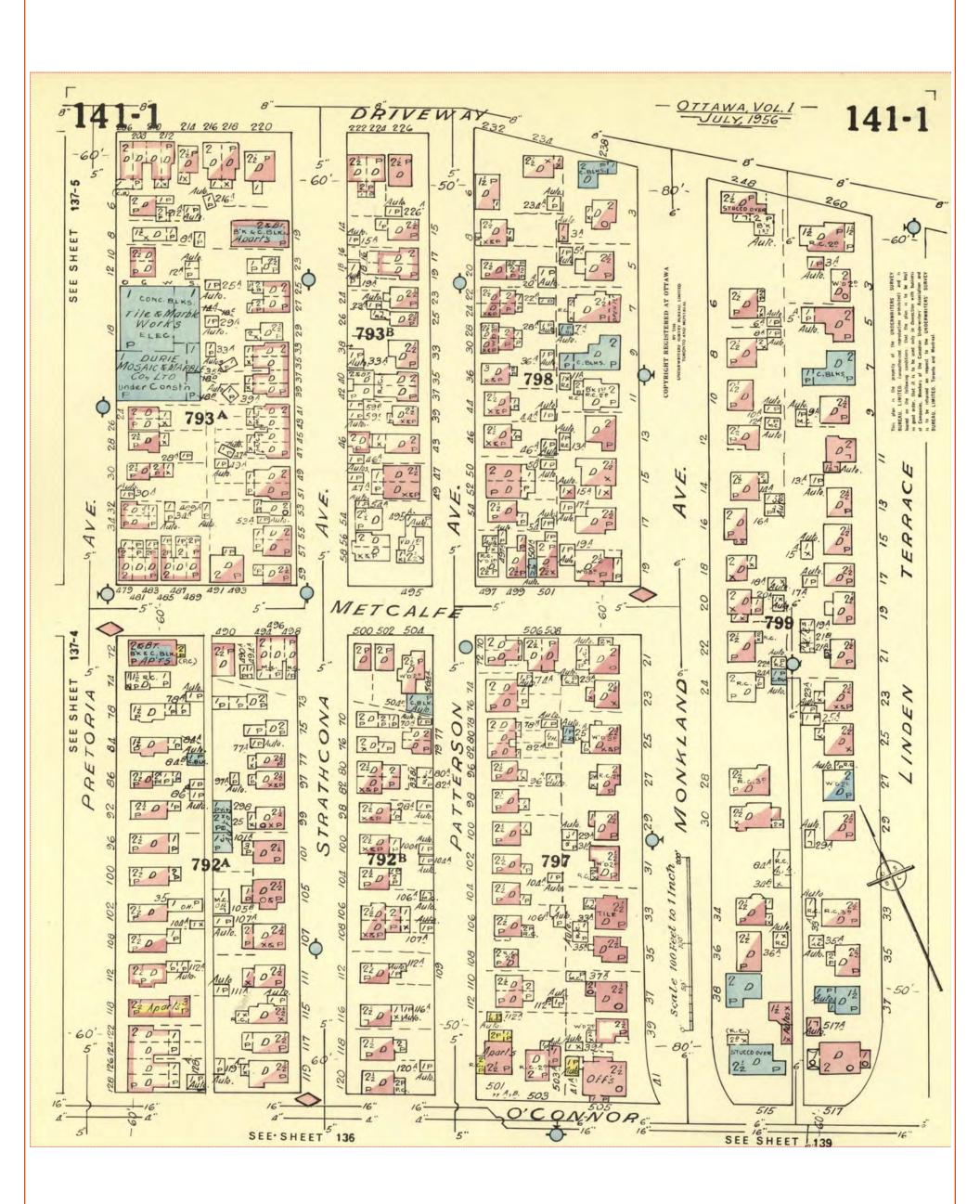
ENVIROSCAN Report

1963 Volume: Ottawa 1 Firemap: 141-1 Ottawa Volume 1 Plan: 1450 (1956)

Sheet: 141-1 (1963)

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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

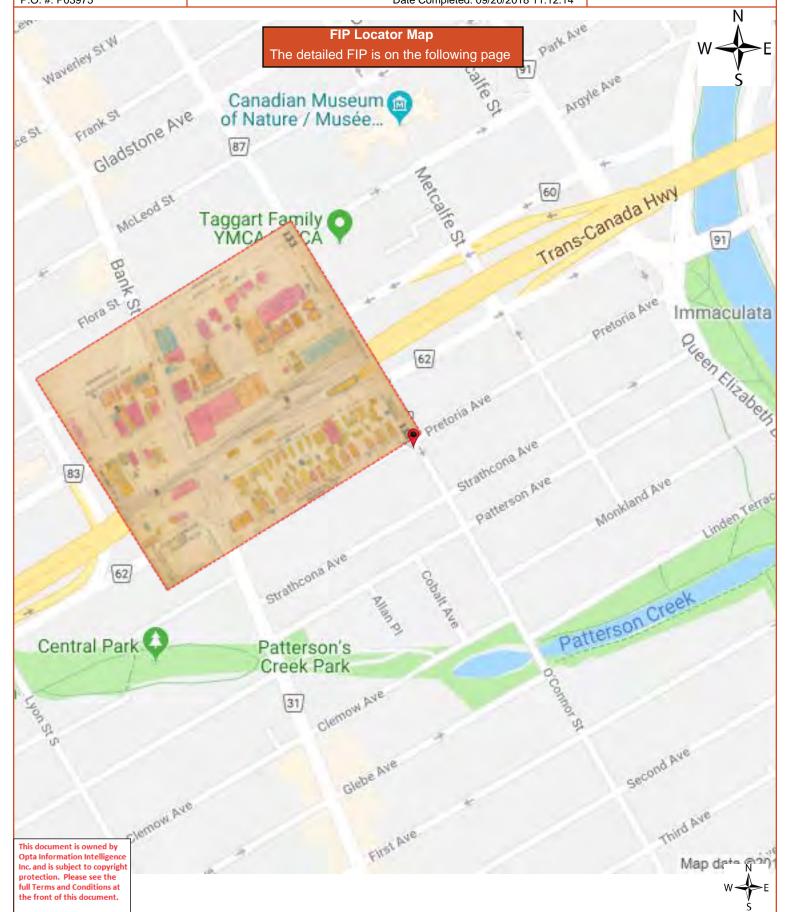
ENVIROSCAN Report

1948 Volume: Ottawa Firemap: 133

Ottawa Plan: 2991 (1925)

Requested by: Sheet: 133 (1948) Eleanor Goolab Date Completed: 09/20/2018 11:12:14





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Project Name: Phase I ESA RSC
2830 Pretoria Avenue Ottawa ON

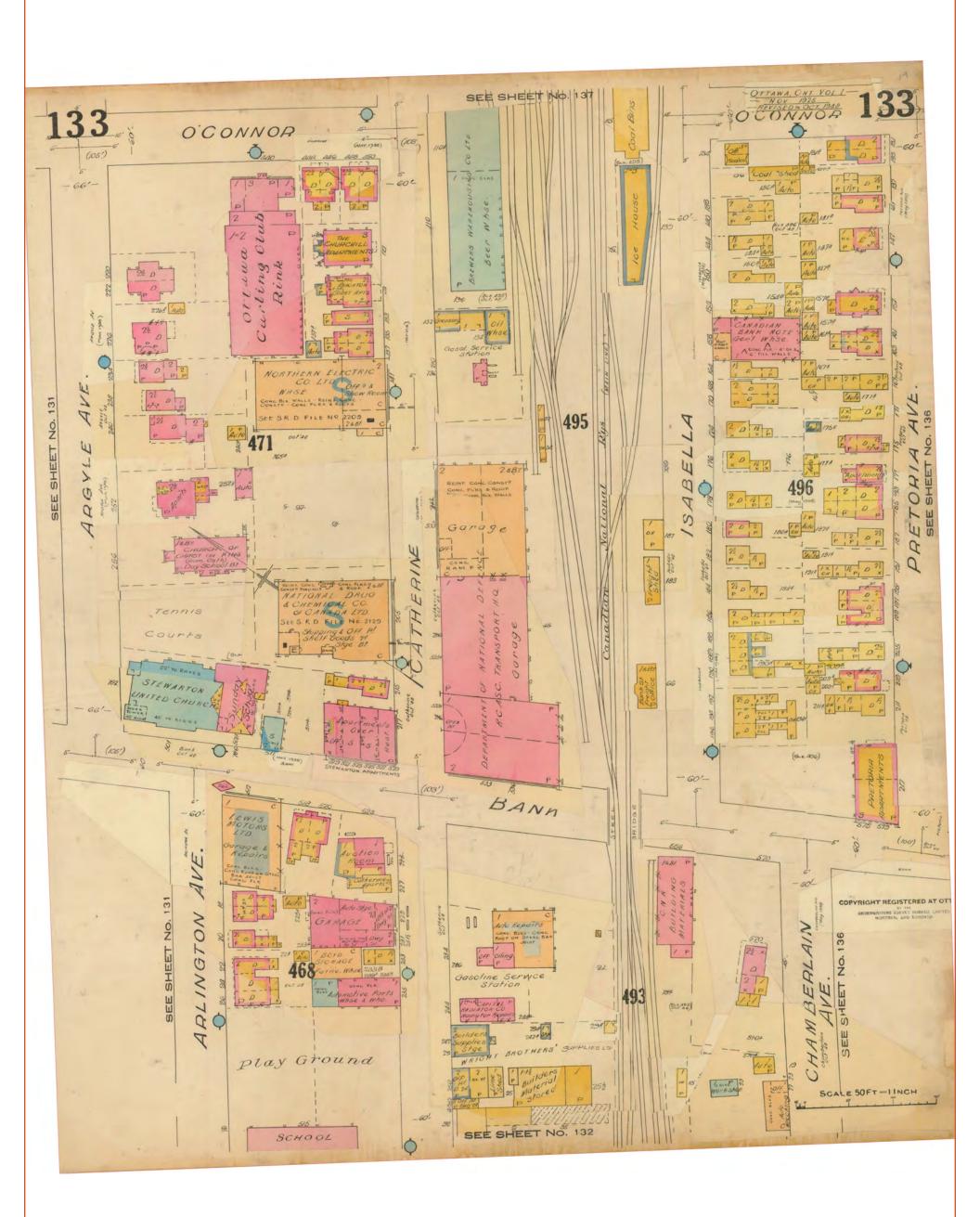
Project #: 20180911009 P.O. #: P03975

1948 Volume: Ottawa Firemap: 133 Ottawa Plan: 2991 (1925)

Sheet: 133 (1948)

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Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

ENVIROSCAN Report

1948 Volume: Ottawa Firemap: 136

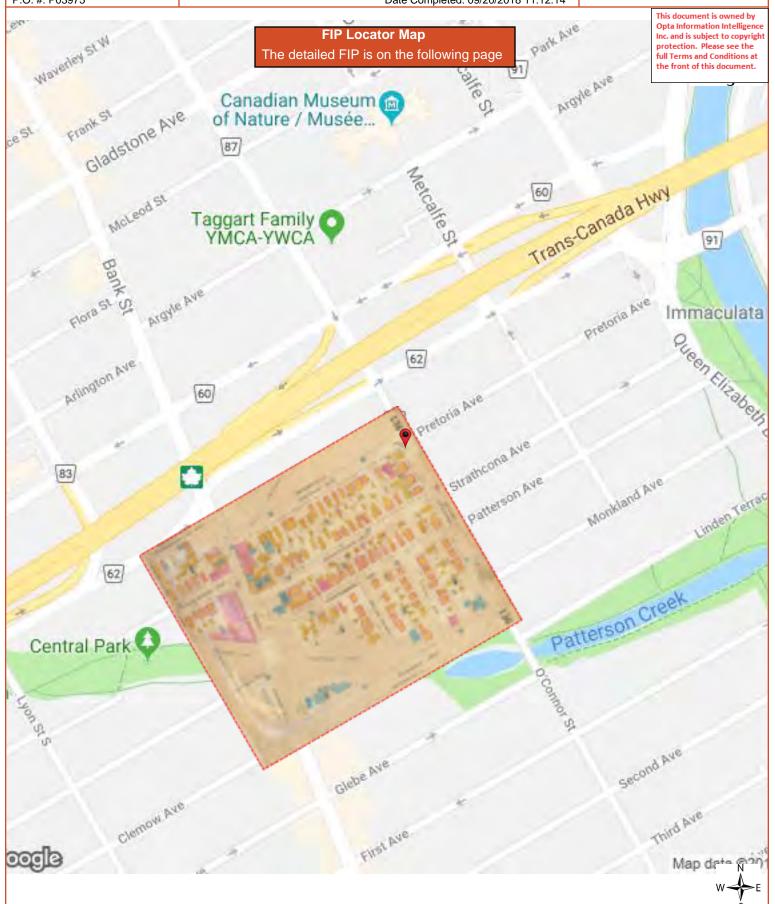
Ottawa Plan: 2991 (1925)

Sheet: 136 (1948) Eleanor Goolab Date Completed: 09/20/2018 11:12:14



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Project Name: Phase I ESA RSC
2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

1948 Volume: Ottawa Firemap: 136 Ottawa Plan: 2991 (1925) Sheet: 136 (1948)

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ENVIROSCAN Report

1948 Volume: Ottawa Firemap: 137

Ottawa Plan: 2991 (1925) Sheet: 137 (1948)

Eleanor Goolab Date Completed: 09/20/2018 11:12:14

Requested by:



OPTA INFORMATION INTELLIGENCE



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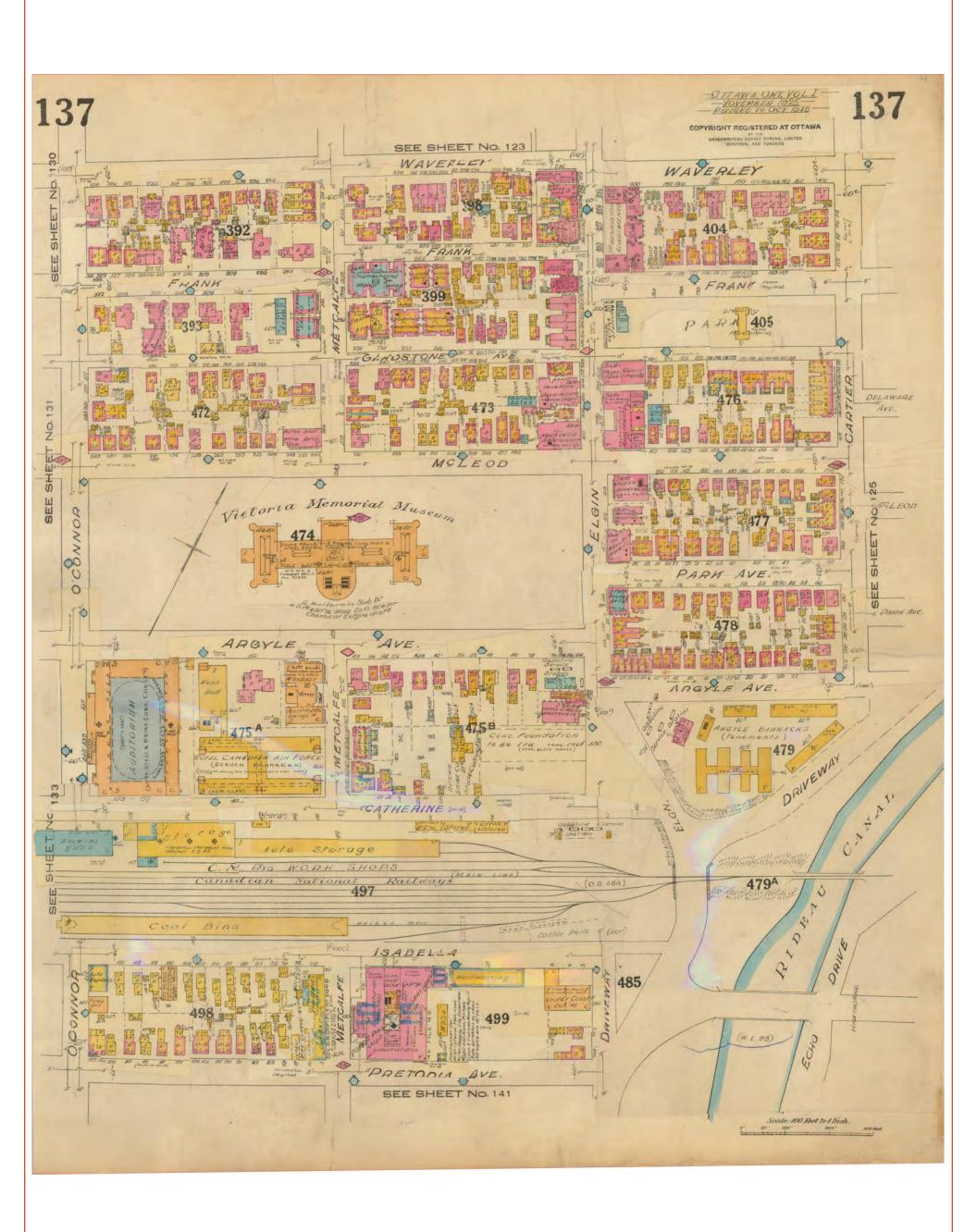
Project #: 20180911009 P.O. #: P03975

1948 Volume: Ottawa Firemap: 137 Ottawa Plan: 2991 (1925) Sheet: 137 (1948)

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Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





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Project Name: Phase I ESA RSC 1948 Volume: Ottawa Firemap: 139 enviroscan 2830 Pretoria Avenue Ottawa ON Ottawa Plan: 2991 (1925) Requested by: Sheet: 139 (1948) Project #: 20180911009 Eleanor Goolab OPTA INFORMATION INTELLIGENCE P.O. #: P03975 Date Completed: 09/20/2018 11:12:14 This document is owned by Park Ave Opta Information Intelligence Waverley St W FIP Locator Map Inc. and is subject to copyright protection. Please see the The detailed FIP is on the following page full Terms and Conditions at the front of this document. Argyle Ave Canadian Museum of Nature / Musée... Gladstone Ave Frank St ce 51 87 Trans-Canada Hwy McLeod St Taggart Family O 91 Argyle Ave Flora St Pretoria Ave Immaculata Queen Elizabeth Arlington Ave 62 Pretoria Ave 60 Strathcona Ave patterson Ave Monkland Ave 83 Linden Terrac Pretoria Ave Strathcona Ave 62 Patterson Creek Central Park Patterson's Creek Park 31/ Second Ave Clemow Ave Third Ave <u>oogle</u> Map data @20

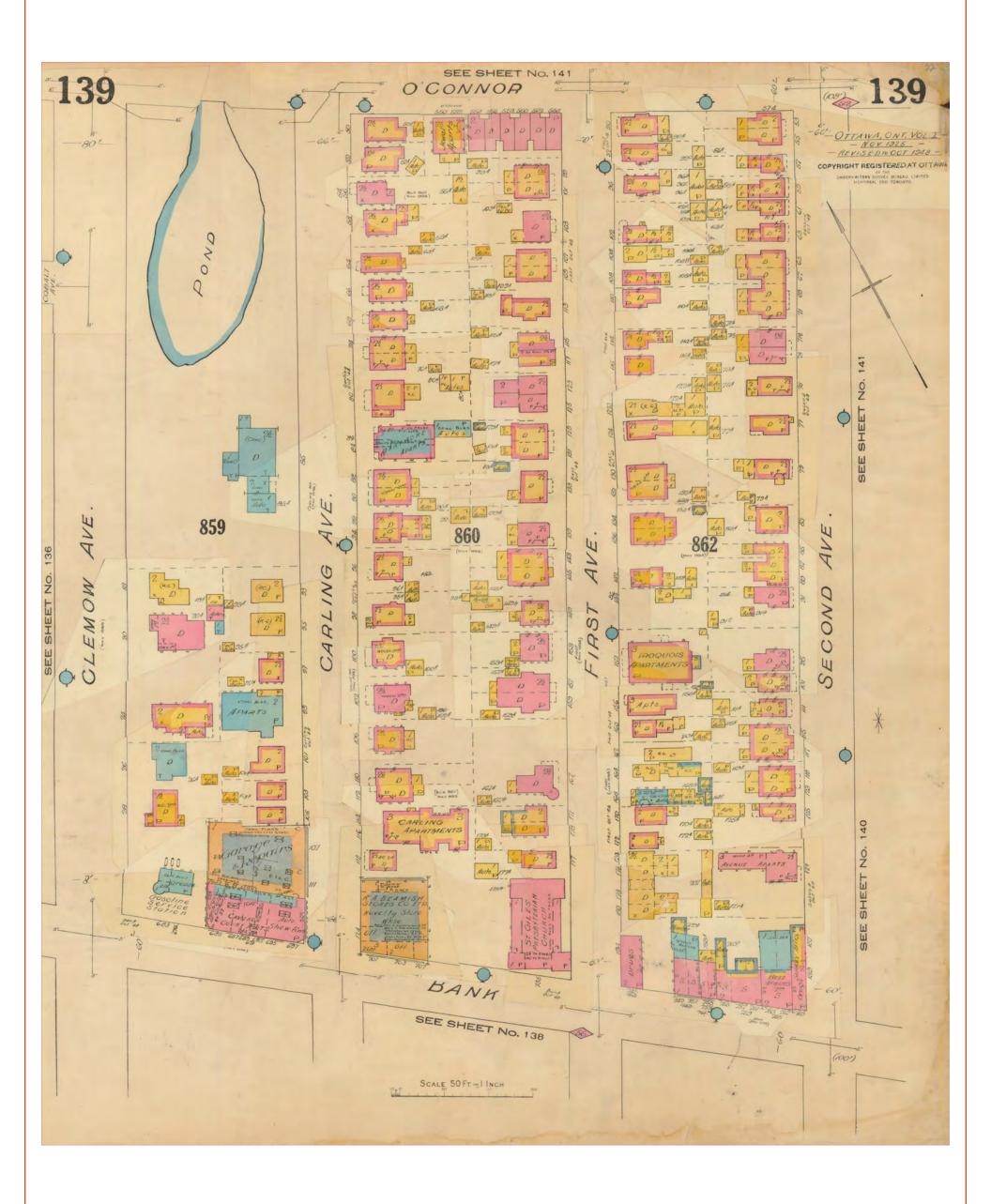
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Project Name: Phase I ESA RSC
2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

1948 Volume: Ottawa Firemap: 139 Ottawa Plan: 2991 (1925) Sheet: 139 (1948)

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Page: 49
Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

ENVIROSCAN Report

1948 Volume: Ottawa Firemap: 141

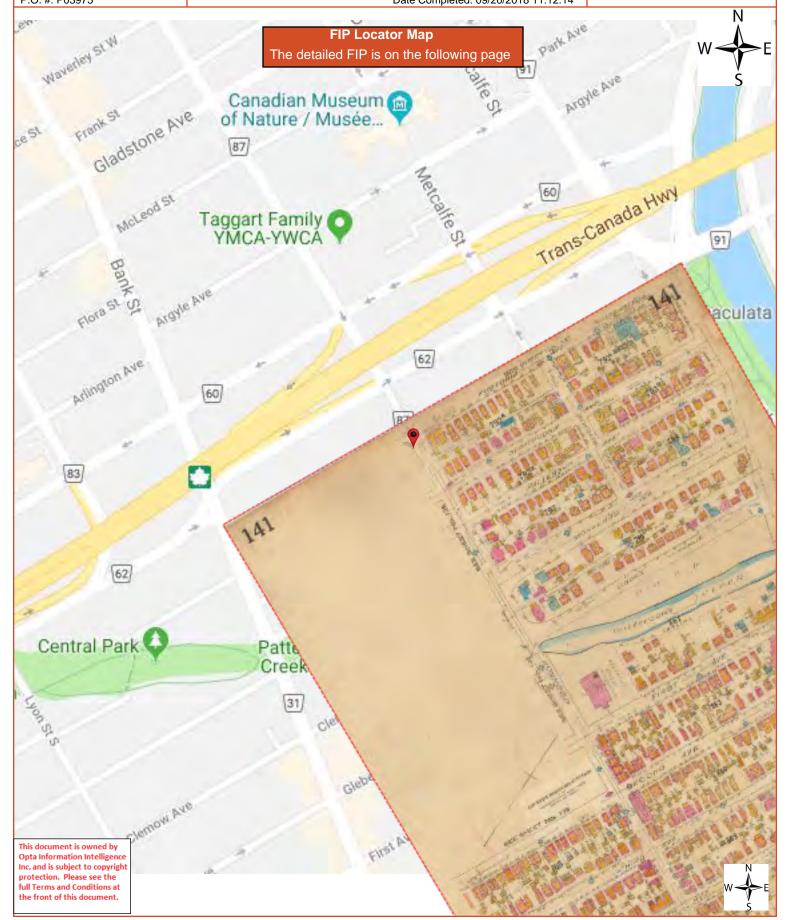
Ottawa Plan: 2991 (1925)

Sheet: 141 (1948) Eleanor Goolab Date Completed: 09/20/2018 11:12:14



OPTA INFORMATION INTELLIGENCE

Requested by:



Page: 50 Project Name: Phase I ESA RSC 2830 Pretoria Avenue Ottawa ON

Project #: 20180911009 P.O. #: P03975

1948 Volume: Ottawa Firemap: 141 Ottawa Plan: 2991 (1925) Sheet: 141 (1948)

Requested by: Eleanor Goolab Date Completed: 09/20/2018 11:12:14





ENVIROSCAN Report

Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

12th Floor 40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075 Ministère de l'Environnement, de la Protection de la nature et des Parcs

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



September 24, 2018

Carolyn Miller BluMetric Envrionmental Inc. 3108 Carp Road, P.O.Box 430 Carp, ON K0A 1L0

Dear Carolyn Miller:

RE: Freedom of Information and Protection of Privacy Act Request Our File # A-2018-06161, Your Reference 180623

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 28 Pretoria Avenue, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

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 the Freedom of Information Office at 416-314-4075.

Yours truly,

FOR

Janet Dadufalza FOI Manager

Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

12th Floor 40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075 Ministère de l'Environnement, de la Protection de la nature et des Parcs

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



September 24, 2018

Carolyn Miller BluMetric Envrionmental Inc. 3108 Carp Road, P.O.Box 430 Carp, ON K0A 1L0

Dear Carolyn Miller:

RE: Freedom of Information and Protection of Privacy Act Request Our File # A-2018-06160, Your Reference 180623

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 30 Pretoria Avenue, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

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 the Freedom of Information Office at 416-314-4075.

Yours truly,

FOR

Janet Dadufalza FOI Manager

Ministry of the Environment, Conservation and Parks

Freedom of Information and Protection of Privacy Office

12th Floor 40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075 Ministère de l'Environnement, de la Protection de la nature et des Parcs

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



October 22, 2018

Carolyn Miller BluMetric Envrionmental Inc. 3108 Carp Road, P.O.Box 430 Carp, ON K0A 1L0

Dear Carolyn Miller:

RE: Freedom of Information and Protection of Privacy Act Request Our File #: A-2018-06428, Your Reference #: 180623

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 64 Isabella Street, Ottawa.

After a thorough search of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, 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 12 pages @ \$0.20/page	\$ 2.40
•	Delivery	\$ 3.00
•	Total	\$ 35.40
•	Deposit Received	- \$ 30.00
•	BALANCE WAIVED (NOT REQUIRED)	\$ 5.40

The District Office has advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of \$60.00. Credit card forms are available on the Ministry's website http://www.ontario.ca/environment-and-energy/freedom-information-request-form. Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the files retrieved from the Records Centre, the time for answering your request will be extended for an additional 30 days.

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 Katie Tudor at katie.tudor@ontario.ca.

Yours truly,

Janet Dadufalza FOI Manager

Attachments



Ministry of the

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HOME AIR WATER LAN	D ABOUT US NEWS & PUBLICATIONS	
User Management ▼ Company M	Igmt Manifests Site Data HELP Logout	
		Search
hwin 🦥		Go
Administration		

Generator Details

Division Name:

NA

Registration/Notification Number

ON2922783

Primary Name:

Legal Company Name

Company Operating Name			
Primary Name:	LOBLAWS SUPERMARKETS LTD.	Division Name:	NA
Mailing Address			
Division Building:	STUCOR CONSTRUCTION LTD.	Post Box Number:	NA
Address Line 1:	2540 SOUTH SERVICE	Address Line 2:	NA
Town/City:	VINELAND	Postal Code / Zip Code:	10R 1S0
County: (if inside Ontario)	NIAGARA (R. M.)	Province/State (If inside Canada/US)	ONTARIO
County: (if outside Ontario)	NΔ	Province / State (If outside Canada /	NA

LOBLAWS SUPERMARKETS LTD.

Canada Country:

NA

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:	Division Building: NA		NA
Address Line 1:	64 ISABELLA STREET		
Address Line 2:	NA		
Town/City:	OTTAWA	Postal Code / Zip Code:	K1S 1V4
County: (if inside Ontario)	OTTAWA CARLTON (RM)	Province / State (If inside Canada / US)	ONTARIO
County: (if outside Ontario)	NA	Province / State (If outside Canada / US)	NA

Canada Country:



Environment

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HOME AIR WATER LAN	D ABOUT US NEWS	& PUBLICATIONS	
User Management - Company N	/lgmt Manifests Si	ite Data > HELP Logout	
hwin Administration			Search Go

Company Name:

Loblaw #1095

Company Number:

ON5506049 (Generator)

Active Waste Classes

Active Waste Class Listing

Add New Waste Class Inactive waste classes

Active Off-site Waste Classes

Waste View Class Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method		Part 2B complete	_	Off- Site	Status U	nRegister Waste Class
112 - C <u>View Detail</u>	<u>s</u> D002	5, 13	Land Disposal	Υ	Y	Liquid	Off- Site	Active	377777777777777777777777777777777777777
112 - C <u>View Detail</u>	5 D002	5, 13	Land Disposal	Υ	Υ	Solid	Off- Site	Active	200000000 2000000000000000000000000000
122 - C <u>View Detail</u>	5 D002	5, 13	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	000000000000000000000000000000000000000
122 - C View Detail	5 D002	5, 13	Land Disposal	Υ	Y	Solid	Off- Site	Active	
145 - I <u>View Detail</u>	<u>s</u> D001	5, 13	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	27777700M
145 - I <u>View Detail</u>	<u>s</u> D001	5, 13	Land Disposal	Υ.	Υ	Solid	Off- Site	Active	
145 - L <u>View Detail</u>	5 N/A		•			Liquid	Off- Site	Active	
146 - T View Detail	<u>s</u> D009	5, 13	Land Disposal	Υ	Υ	Solid		Active	

						Off- Site		
148 - A <u>View Details</u> P106	2A, 11	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	
148 - A <u>View Details</u> P106	2A, 11	Land Disposal	Υ	Y	Solid	Off- Site	Active	
148 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	
148 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Y	Solid	Off- Site	Active	
212 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Υ ,	Liquid	Off- Site	Active	3
212 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Υ	Solid	Off- Site	Active	3,000
212 - L <u>View Details</u> N/A		• .			Liquid	Off- Site	Active	
242 - L <u>View Details</u> N/A	*				Liquid	Off- Site	Active	
242 - T View Details E007	5	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	
242 - T <u>View Details</u> E007	5	Land Disposal	Υ	Υ	Solid	Off- Site	Active	
252 - L <u>View Details</u> N/A					Liquid	Off- Site	Active	
261 - A <u>View Details</u> P001	2A	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	
261 - A <u>View Details</u> P001	2A	Land Disposal	Υ	Υ .	Solid	Off- Site	Active	To share
261 - B <u>View Details</u> U154	2B	Land Disposal	Υ	Υ .	Liquid	Off- Site	Active	
261 - B <u>View Details</u> U202	2B	Land Disposal	Υ .	Υ	Solid	Off- Site	Active	
261 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	0000000
261 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Υ	Solid	Off- Site	Active	
261 - L <u>View Details</u> N/A					Liquid	Off- Site	Active	
262 - C View Details D002	5, 13	Land Disposal	Υ	Υ	Liquid	Off- Site	Active	
262 - C <u>View Details</u> D002	5, 13	Land Disposal	Υ	Υ	Solid	Off- Site	Active	

262 - L <u>View Details</u> N/A					Liquid	Off- Active Site
263 - A <u>View Details</u> P001	2A	Land Disposal	Y	Υ	Liquid	Off- Site Active
263 - A <u>View Details</u> P001	2A	Land Disposal	Υ	Υ	Solid	Off- Site Active
263 - C View Details D002	5, 13	Land Disposal	Υ	Υ	Liquid	Off- Site Active
263 - C View Details D002	5, 13	Land Disposal	Υ	Υ ,	Solid	Off- Site Active
263 - L <u>View Details</u> N/A					Liquid	Off- Site Active
269 - L <u>View Details</u> N/A	•				Liquid	Off- Site Active
269 - T <u>View Details</u> E109	5	Land Disposal	Υ	Υ	Liquid	Off- Site Active
269 - T <u>View Details</u> E109	5	Land Disposal	Υ	Υ	Solid	Off- Site Active
312 - P <u>View Details</u> N/A					Solid	Off- Site Active
331 - I <u>View Details</u> D001	5, 13	Land Disposal	Υ	Υ	Gas	Off- Site Active
331 - L <u>View Details</u> N/A					Gas	Off- Site Active

Back



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Ministry of the

central site | Feedback | search | site map | Français |

HOME AIR WATER I	AND ABOUTUS	NEWS & PUBLICATIONS	
User Management ▼ Compan	y Mgmt 🔝 Manifest:	s Site Data HELP Logout	
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hwin 🖏	子 温于 3757		Go
TITAA TITI	Character and Ch		
Administration			

Generator Details

Registration/Notification Number

ON5506049

Legal Company Name

Primary Name: Loblaw #1095 Division Name:

NA

Company Operating Name

Primary Name:

Loblaw #1095

Division Name:

NA

Mailing Address

Division Building:

NA

Post Box Number:

NA

Address Line 1:

Town/City:

64 Isabella St. Ottawa

Address Line 2: Postal Code / Zip Code: NA K1S 1V4

County: (if inside Ontario)

OTTAWA CARLTON (RM)

Province/State (If inside Canada/US)

ONTARIO

County: (if outside Ontario)

NA

Province / State (If outside Canada /

Country:

Site Location

This should be the street address of the site that is being registered. You are required to register each site that generates hazardous waste separately.

Division Building:

NA

Canada

Post Box Number:

ΝA

Address Line 1:

64 Isabella St.

Address Line 2: Town/City:

NA

Ottawa

Postal Code / Zip Code:

K1S 1V4

County: (if inside Ontario)

OTTAWA CARLTON (RM)

Province / State (If inside Canada /

ONTARIO

County: (if outside Ontario)

NA

Province / State (If outside Canada /

Country:

Canada

0000



Environment

| central site | feedback | search | site map | français |



Company Name:

Loblaw #1095

Company Number:

ON5506049 (Generator)

Inactive Waste Classes

Inactive Waste Class Listing

Add New Waste Class Active waste classes

Inactive Off-site Waste Classes

Waste Class	Physical State	Off-Site	Status	Activate	
145 - H	Liquid	Off-Site	Inactive		View Details



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Environment

central site | feedback | search | site map | français

User Management | Company Mgmt | Manifests | Site Data | HELP | Logout

Administration

Go

Company Name:

LOBLAWS SUPERMARKETS LTD.

Company Number:

ON2922783 (Generator)

Active Waste Classes

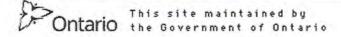
Active Waste Class Listing

Add New Waste Class Inactive waste classes

Active On-site Waste Classes

Physical Off- Status Part 2B View Hazardous Reg. 347 Disposal Method Part 2B Waste State Site **Details Waste Number** Schedules required complete Class (per waste stream) Active Liquid 252 - L View Details N/A

waste crankcase 0:15 Back



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Material 3:

Amount:

Cause....:

Reason. :

OCCURENCE REPORT

Location of Occurence:		Source:			
OTTAWA CITY		DRAIN-ALL TRANSFER/PROCESSING	CTATION		
641SABELLA DRIVE		Sector: Source: SIC:	STATION		
Reg: 4 Dist: OT Municipality: 20	0101	UTM:			
, , , , , , , , , , , , , , , , , , , ,		N: [5026000] E: [447000] 2	(one: [18]		
Entered:	ORIS No.	Abstracts:	Diaries:		
1999/04/08 15:34	9940000351	0	0		
Received By:		Batch:	I. E. B. No.		
PAUL KEHOE		3113			
Occurence Type:	Subtype:	Occurence Date:	1999/04/08		
N	99				
Work Plan:	WH	Occurence Time:	15:00		
Reported By: DRAIN-ALL		Report to MOE: 1999/04	/08 15:00		
WASTEMANAGEMENT COMPA	NY	MOE at Scene:			
Telephone No.	Alternate No.	Assigned To:	PAUL KEHOE		
613-739-1070 x	X				
Address:		ERP Contacted:			
2705 STEVENAGE DR		Callout: []	Callout: [] NSP: []		
GLOUCESTER Postal Code:		ERP Name:			
Syn: GENERATOR NUMBER IS	QUED.				
Brief Summary:	GOLD				
	NONS0402PK4 FOR MANIFES	T AA61934-3 FOR A PICKUP AT	A SPILL SITE AT LOBLAWS		
If there are related reports, rec		re >>			
Followup Action: X Abatement	IEB Other				
BF Date: GENERATOR NUMBER ISSUEI	1				
File Closed: Y Abatement: IEB					
Suspected Violation:			and the second s		
Report Prepared By:	Date:	IEB Investigator:	IEB BF Date		
PAUL KEHOE	04/08/99				
Approving Officer	Date:	Reviewing Officer:	Date		
BARRIE REYNOLDS	04/08/99				
Specify number(s) for routing]	Continued [] Yes		
Specify number(s) for copy dis					
1. Investigator/E.O. 4. Reg. Dir. / Mgr.	2. D. O. /File 5. IEB Reg. Spv	3. SAC (initial spills) 6. IEB H.O./file	7. Other		
4. Reg. Dii. / Wigi.	3. IEB Reg. Spv	6. IEB 11.0./IIIe	7. Other		
SAC Action Class: 1: 2:					
Material 1: N/A			Code:		
Amount:			UN No.: Code :		
Material 2: Amount :	•		UN No.:		

Code:

UN No.:

Code..:

Code..:

Person in Control:			Waste GenNum :		
Owner :			Waste GenNum :		
Agencies Involved :					
Clean up and Restoratio	n Carried out by:				
[v] Controller	[v] Owner	[N] Other			
% Cleaned up:		Estimated Cost:	I		
Were Directions or Appr	oval Given Under				
EPA Part X [v]	Regulation	n 362 [v] Manifest No.			
Waste Class :			Code :		
Hauler:			Code :		
Disposal Site :			Code :		
Environmental Impact:	Nature of I	mpact:			
_			Code :		
People/Business Damag	jed				
(Other than to Owner/Co	introller) :				
Nature of Damage:			Code :		
- Description of the Control of the					



								E				

Reference Number:	7708-7UFND5	File Storage Number:	SLOC OT IS 102				
Module:	Incident Reporting	Module Type:	Legislation Non-Compliance				
Cross Reference:	(doc link)	Task Link:	5851-7UFNFP 🖺				
Originating Document:		Created by:	Doug Kehoe				
Incident Report Refere	nce Number:	7708-7UFND5 🖹	7708-7UFND5 🖹				
Date Created:	2009/07/30	Date Completed:	2009/08/18				
Bring Forward Date:		Bring Forward Reason:					
Status:	Closed						
Program	Pesticides	Activity:	Pollution Incident Reports				

is this an air emission (mea	sured or modelled) or wa	astewater (sewage) discharge e	vceedance that will become no	art of the
TO THE CITED COMESSION (TITOG	Saroa or moderica, or we	actoriator (consugo) aluonalga e	MOROGRAMIE C. C. S. C. D. C. D. C.	
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Reported By:		
First Name Doug	Last Name Kehoe	
Contact Mailing Address		
Municipality:		
Ottawa		
I Province and the second seco		
Reported By:		
2		

MOE Information

Date & Time Reported to MOE:	2009/06/18: 12:00		
Office Receiving Incident Report:	Eastern Region		
Incident Info Received By:	Doug Kehoe		
MOE Response:	Planned Field Response	Site Region:	Eastern
Date & Time of MOE Arrival at Scene:	·		
Master Incident Report Number:			
SAC Action Class:			
Non-Standard Procedure:	No		
ERP Call-out Initiated:			

Client Details							
ite(s) Site Details							
Loblaws Address: 64 Isabella St, Ottawa District Office: Ottawa Site #: 4207-7UFNAY	a, City		-				
ncident Information							
	metic Pesticide Ban- Class 8s of be longer than 60 characte						
were not h class							
Links & Comments:					V		
Attachments Names:							
		342-142-142-142-142-142-142-142-142-142-1	044094094409444	225207272727272727	DESCRIPTION OF SHIPE	*****************	
Date & Time of Incident	Incident Date Confirmation 2009/06/18	n? Actual					
Source Type:]						
			1	Sector Type:			
Nearest Watercourse:				Sector Type: Watershed Cate Code:	egory		
				Watershed Cate	egory		
Nearest Watercourse:				Watershed Cate	egory		
Nearest Watercourse: Environmental Impact:			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Watershed Cate			
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause:	No		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Watershed Cate Code:			
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause:	J L	taminant		Watershed Cate Code: ncident Reason			
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause:	Con	taminant		Watershed Cate Code: ncident Reason		[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party:	Con		III	Watershed Cate Code: ncident Reason	1:	[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party:	Con		III	Watershed Cate Code: ncident Reason	1:	[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party:	Con		III	Watershed Cate Code: ncident Reason	1:	[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party:	Con		III	Watershed Cate Code: ncident Reason	1:	[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party:	Con		III	Watershed Cate Code: ncident Reason	1:	[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party:	Con		Is Table	Watershed Cate Code: ncident Reason	Quantity	[units]	[freq]
Nearest Watercourse: Environmental Impact: Nature of Impact: Incident Cause: Damaged Party: Contaminant Nam	Con		I I I I I I I I I I I I I I I I I I I	Watershed Cate Code: ncident Reason e Limit	Quantity	[units]	[freq]

Client(s)

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	O Yes	• No	
Voluntary / Mandatory Compliance Items Type Parent RefNo Work Summary (may be truncate	d) Date	AttainList _.	•

ence(s)	
uspected Violation(s)/Offence(s):	
t - Regulation - Section,	
scription	
eneral Offence}	
PA - 7.1 (4),	
spite section 6, no person shall sell, offer to sell or transfer a pesticide that has been prescribed for the purpose of this subsection	
(1)}	

Provincial Officer: Name: Badge No:	Doug Kehoe
Work Unit: District/Area Office: Date:	Program Services Eastern Region 2009/08/14
Signature:	
Area Supervisor: Name:	Paul Kehoe
Work Unit: District/Area Office: Date:	2009/08/18
Signature:	Paul Kehoe.



Toronto, Ontario M9W 6N9 Tel: 416.734 3300 Fax 416.231.1626 Toll Frag. 1 877 682 8772

www.tssa.org

18 October 2018

Carolyn Miller BluMetric Environmental Inc. 3108 Carp Road Ottawa, ON K0A 1L0

Subject: 28 Pretoria Avenue, Ottawa

Your File No.: 180623 SR No.: 2400084

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested fuel safety documents.

Should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

Laya Nair

Gaya Nair

Public Information Services







Carolyn Miller BluMetric Environmental Inc. 3108 Carp Road Ottawa, ON K0A 1L0

Subject: 30 Pretoria Avenue, Ottawa

Your File No.: 180623 SR No.: 2400100

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested fuel safety documents.

Should you have any questions, please contact Public Information at <u>publicinformationservices@tssa.org</u>.

Yours truly,

Laya Nair

Gaya Nair

Public Information Services



File Number: A-2018-00528

October 16, 2018

Ms. Carolyn Miller Engineer in Training Blumetric Environmental 3108 Carp Rd P.O. Box 430 Ottawa, Ontario K0A 1L0

Dear Ms. Carolyn Miller:

Re: Access to Information Request Any records or information of environmental nature for the property located at 28 Pretoria Avenue, Ottawa. Information in writing on:

- -known drainage or sewer use by-law violations, if any, against the site;
- -known violations of by-laws related to waste management, if any;
- -work required under the local improvement act, if any;
- -records of a sewer on the site that does not have a registered easement (if any);
- -the presence or absence of a sanitary main sewer abutting the site; whether storm sewers or municipal drains provide drainage for the site;
- -known landfill or natural methane gas sites on or in close proximity to the site:
- -problems with soil or groundwater quality on the site or at nearby sites (e.g., contamination):
- -an indication of whether the site have been tested for methane gas; and -known water supply for the city and the surrounding area (ground water, lake or river)

This letter is in response to your request made under the *Municipal Freedom of Information and Protection of Privacy Act*, (the Act), received on September 20, 2018. Access is hereby granted in full to the records requested.

Based upon an extensive review of our records, it has been concluded that the City of Ottawa does not have any documents that meet the description of the majority of your request. For the portion of your request pertaining to "the presence of absence of a sanitary main sewer abutting the site". There is a sanitary main sewer abutting this site (SAN38402).

The City of Ottawa is waiving any further fee that can be charged to process this request since the cost is less than five dollars.

Should you have any questions concerning your request, please contact **Judie Binnie** from the Access to Information and Privacy Office at 613-580-2424, extension **41556 or by email at judie.binnie@ottawa.ca**.

Sincerely,

M. Rick O'Connor, CMO City Clerk and Solicitor

Attach.

You may ask for a review of this decision within 30 days of receiving this letter by writing to: Registrar, Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, Ontario, M4W 1A8, Telephone: 416-326-3333 or toll free 1-800-387-0073.

If you decide to request a review of this decision, please provide the Commissioner's office with the following:

- The file number listed at the beginning of the letter
- A copy of the decision letter
- A copy of the original request for information you sent to the institution
- The reasons why you believe the records exist (if the decision was that no records exist)

In addition, you must send an appeal fee to the Commissioner's office. If your request was for your personal information, the appeal fee is \$10.00. The appeal fee for all other requests for information is \$25.00. Please include the fee with your letter of appeal. Appeal fees should be in the form of either a cheque or money order, payable to the "Minister of Finance".



File Number: A-2018-00529

October 16, 2018

Ms. Carolyn Miller
Engineer in Training
Blumetric Environmental
3108 Carp Rd
P.O. Box 430
Ottawa, Ontario
K0A 1L0

Dear Ms. Carolyn Miller:

Re: Access to Information Request - Any records or information of environmental nature for the property located at 30 Pretoria Avenue, Ottawa. Information in writing on:

- -known drainage or sewer use by-law violations, if any, against the site;
- -known violations of by-laws related to waste management, if any;
- -work required under the local improvement act, if any;
- -records of a sewer on the site that does not have a registered easement (if any);
- -the presence or absence of a sanitary main sewer abutting the site; whether storm sewers or municipal drains provide drainage for the site;
- -known landfill or natural methane gas sites on or in close proximity to the site:
- -problems with soil or groundwater quality on the site or at nearby sites (e.g., contamination);
- -an indication of whether the site have been tested for methane gas; and
- -known water supply for the city and the surrounding area (ground water, lake or river)

This letter is in response to your request made under the *Municipal Freedom of Information and Protection of Privacy Act*, (the Act), received on September 20, 2018. Access is hereby granted in full to the records requested.

Based on an extensive review of our records, it has been conclude that the City of Ottawa does not have any documents that meet the description of the majority of your request. For the portion, "known water supply for the city and the surrounding area (ground water, lake or river)", the property is serviced by the central distribution system. The water supply is the Ottawa River.

The City of Ottawa is waiving any further fee that can be charged to process this request since the cost is less than five dollars.

Should you have any questions concerning your request, please contact **Judie Binnie** from the Access to Information and Privacy Office at 613-580-2424, extension **41556** or **by email at judie.binnie@ottawa.ca**.

Sincerely,

M. Rick O'Connor, CMO City Clerk and Solicitor

Attach.

You may ask for a review of this decision within 30 days of receiving this letter by writing to: Registrar, Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, Ontario, M4W 1A8, Telephone: 416-326-3333 or toll free 1-800-387-0073.

If you decide to request a review of this decision, please provide the Commissioner's office with the following:

- The file number listed at the beginning of the letter
- A copy of the decision letter
- A copy of the original request for information you sent to the institution
- The reasons why you believe the records exist (if the decision was that no records exist)

In addition, you must send an appeal fee to the Commissioner's office. If your request was for your personal information, the appeal fee is \$10.00. The appeal fee for all other requests for information is \$25.00. Please include the fee with your letter of appeal. Appeal fees should be in the form of either a cheque or money order, payable to the "Minister of Finance".

APPENDIX C

Site and Aerial Photographs

This appendix includes:

- Photographs taken during the site reconnaissance;
 - Aerial photographs of the Phase One Property.





Photo 1: The Phase One Property (28 Pretoria Avenue – north facing exterior wall)



Photo 2: The Phase One Property (28 Pretoria Avenue – south facing exterior wall)



Photo 3: The Phase One Property (28 Pretoria Avenue - west facing exterior wall)



Photo 4: The Phase One Property (28 Pretoria Avenue – east facing exterior wall)



Photo 5: The Phase One Property
(28 Pretoria Avenue – historical heating oil AST fill/vent pipe, exterior west wall)



Photo 6: The Phase One Property (28 Pretoria Avenue – detached garage)





Photo 7: The Phase One Property (28 Pretoria Avenue – general interior view of detached garage)



Photo 8: The Phase One Property (28 Pretoria Avenue – general interior view of basement)



Photo 9: The Phase One Property (28 Pretoria Avenue - general interior view of main floor)



Photo 10: The Phase One Property (30 Pretoria Avenue – north facing exterior wall)



Photo 11: The Phase One Property (30 Pretoria Avenue – south facing exterior wall)



Photo 12: The Phase One Property (30 Pretoria Avenue – west facing exterior wall)





Photo 13: The Phase One Property (30 Pretoria Avenue – general interior view of basement)



Photo 14: The Phase One Property (30 Pretoria Avenue – general interior view of basement remaining heating oil AST connections)



Photo 15: The Phase One Property
(30 Pretoria Avenue - general interior view of main floor)



Photo 16: The Phase One Study Area (residential development to the south)

Provided by: Google Earth



Photo 17: The Phase One Study Area (commercial development to the east)

Provided by: Google Earth



Photo 18: The Phase One Study Area (residential development to the west)

Provided by: Google Earth





Photo 19: The Phase One Study Area (general view of barrier wall, facing north)



Photo 20: The Phase One Study Area (commercial development to the north)

Provided by: Google Earth





Photo 21: The Phase One Property (30 Pretoria Avenue – concrete outline in the backyard) October 2019



Photo 22: The Phase One Property (30 Pretoria Avenue – concrete blocks in the backyard) October 2019



Photo 23: The Phase One Property
(30 Pretoria Avenue - concrete outline in the backyard) October 2019

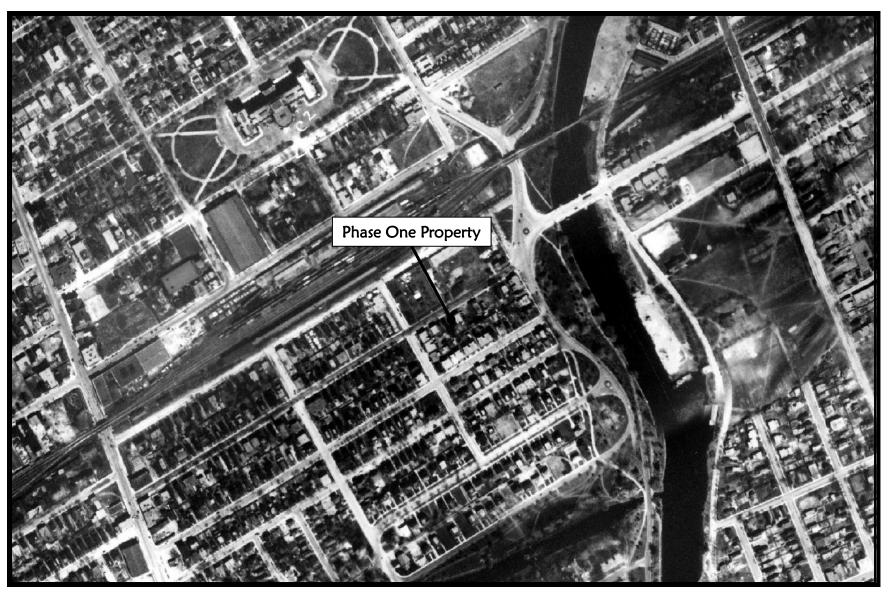


Photo 24: The Phase One Property (30 Pretoria Avenue – concrete landscaping in the backyard) October 2019



Photo 25: The Phase One Property (30 Pretoria Avenue – concrete landscaping in the backyard) October 2019





Historical Aerial Photography of the Phase One Property - 1928 28&30 Pretoria Avenue, Ottawa, Ontario



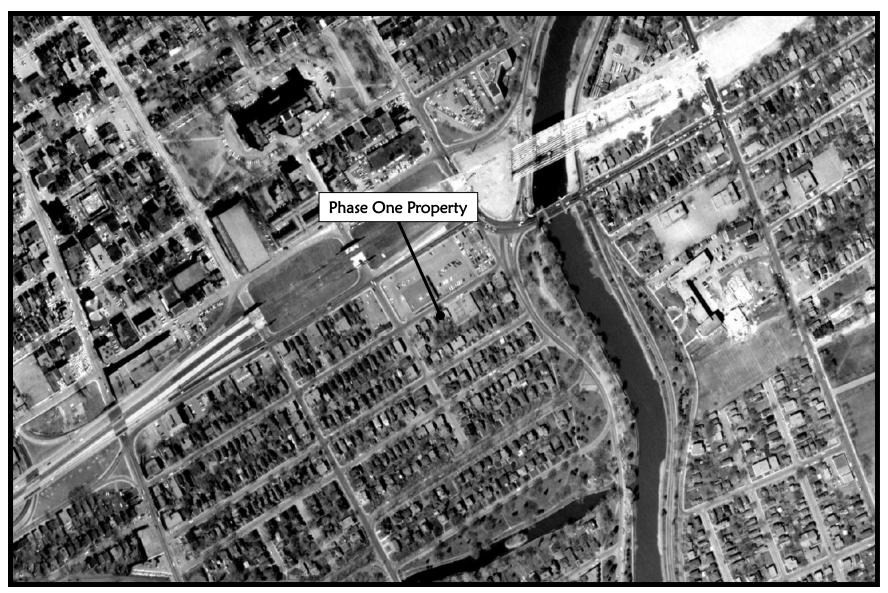




Historical Aerial Photography of the Phase One Property - 1958 28&30 Pretoria Avenue, Ottawa, Ontario







Historical Aerial Photography of the Phase One Property - 1965 28&30 Pretoria Avenue, Ottawa, Ontario



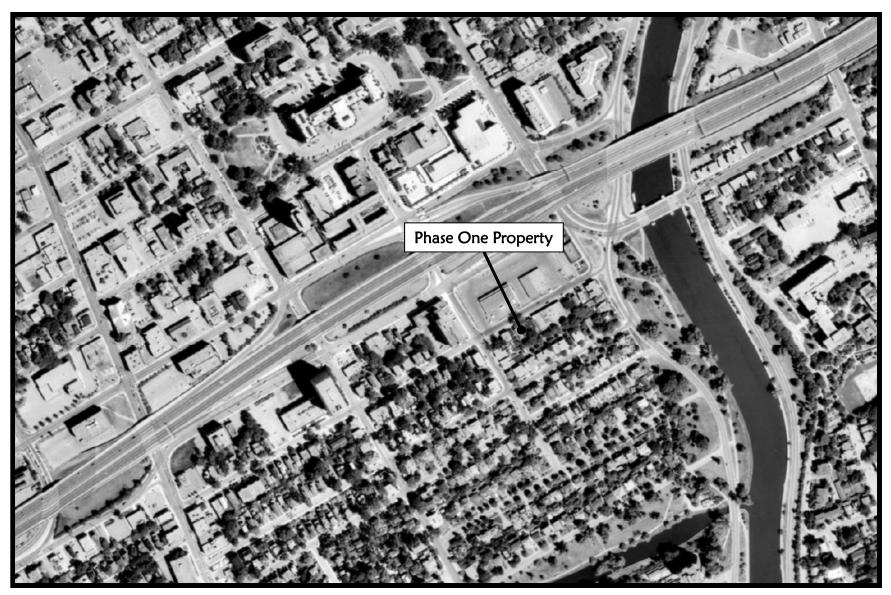




Historical Aerial Photography of the Phase One Property - 1976 28&30 Pretoria Avenue, Ottawa, Ontario







Historical Aerial Photography of the Phase One Property - 1991 28&30 Pretoria Avenue, Ottawa, Ontario



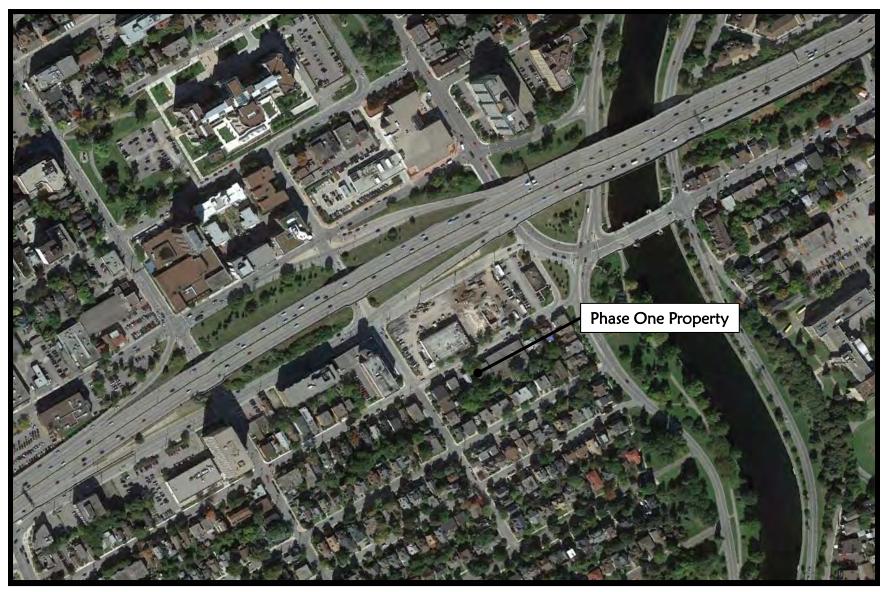




Historical Aerial Photography of the Phase One Property - 2007 28&30 Pretoria Avenue, Ottawa, Ontario







Historical Aerial Photography of the Phase One Property - 2013 28&30 Pretoria Avenue, Ottawa, Ontario



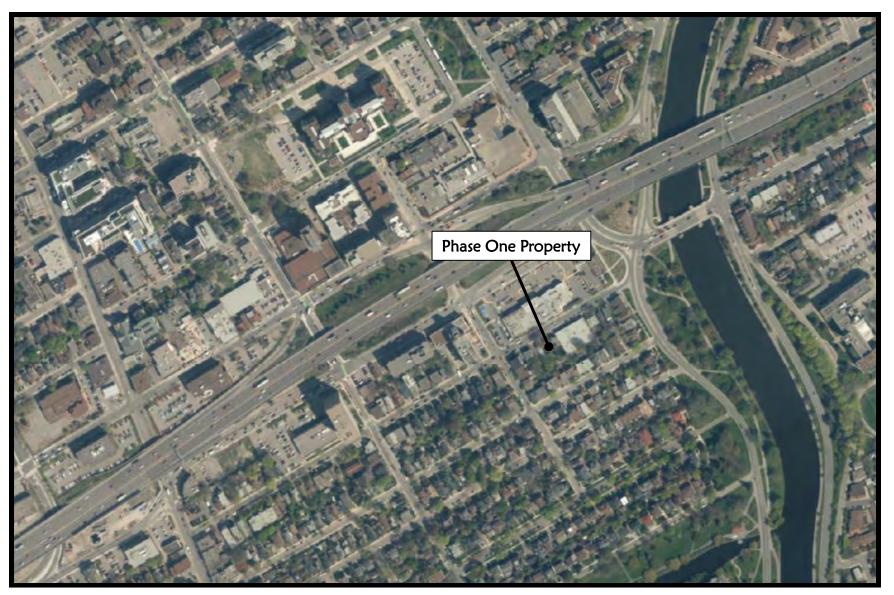




Historical Aerial Photography of the Phase One Property - 2014 28&30 Pretoria Avenue, Ottawa, Ontario







Historical Aerial Photography of the Phase One Property - 2017 28&30 Pretoria Avenue, Ottawa, Ontario





APPENDIX D

Assessor Credentials

This appendix includes the curriculum vitae for:

- Carolyn Miller
- Karen Greer





EDUCATION

 B.ASc., Environmental Engineering, University of Waterloo, 2018

YEARS OF EXPERIENCE

- 2 years of experience
- 1 year with BluMetric

EMPLOYMENT HISTORY

- 2018 Present: BluMetric, Engineer in Training
- 2016 2017 (Fall and Summer): BluMetric, Junior Environmental Technician
- 2016 (Winter): Pinchin Ltd., AutoCAD Technician
- 2015 (Summer): Novozymes, Process Engineering Student
- 2014 (Fall): City of Brampton, Capital Works Inspector
- 2014 (Winter): logen Corporation, Pilot Fermentation Assistant

TRAINING

- Traffic Control
- WHMIS
- First Aid and CPR

PROFESSIONAL AFFILIATIONS

Professional Engineers Ontario, Engineer in Training

LANGUAGES

- English
- French (basic)

ROLE

- Junior Professional
- Field Team Member

EXPERTISE

- Environmental Engineering
- Environmental Sampling
- Data Management
- Landfill Monitoring

PROFESSIONAL PROFILE

Ms. Miller is a recent graduate in Environmental Engineering from the University of Waterloo. Her project portfolio includes environmental monitoring and contaminated site investigations focused on hydrocarbon impacted sites, solid waste disposal sites, and private production facilities.

She is skilled in conducting water and soil sampling programs for contaminated site investigations and overseeing landfill closure and reclamation work. Ms. Miller is frequently involved in the interpretation and annual reporting of analytical data resulting from Phase II ESAs.

Ms. Miller has a wide range of knowledge gained from her two years of work as a co-op student. She has experience working in process engineering, civil construction, occupational hygiene and indoor air quality, and environmental site assessment and remediation.

REPRESENTATIVE EXPERIENCE

Environmental Sampling

Ms. Miller routinely participates in groundwater and surface water monitoring programs and domestic well sampling. She is familiar with traditional manual groundwater sampling, low flow sampling, bailers, submersible pump sampling, and semi-permeable membrane bag samplers. Select relevant projects include:

• Circle K Convenience Stores. Provision of Environmental Assessment and Monitoring Services, Western and Eastern Ontario. Site Assessor and Field Team Member. Responsible for planning and conducting



- groundwater sampling and monitoring events at various Circle K locations across Ontario, analysing data and preparing annual monitoring reports (2016-Ongoing).
- Waste Management of Canada. Operations & Monitoring of Wastewater Treatment System, Ottawa, ON. Site Assessor and Field Team Member. Responsible for operating and maintaining an activated sludge wastewater treatment system. Other duties include conducting groundwater and process water sampling and monitoring events, data analysis and preparing annual monitoring reports (2017-Ongoing).
- Conoco Phillips. Groundwater, Surface Water and Domestic Well Sampling, Port Loring, ON. Field Team Member. Responsible for planning and conducting extensive groundwater, surface water, and domestic well sampling program for a remote town (September 2016).

Landfill Monitoring

Ms. Miller's landfill experience has involved construction oversight, final capping and closure supervision, leachate treatment systems, and conducting groundwater and surface water sampling at both active and closed municipal and private landfills. Select relevant projects include:

- The Corporation of the Township of Faraday. Cell 4 Reclamation, Faraday, ON. Site Supervisor. Construction oversight of the reclamation of a closed landfill cell, which involved supervising the use of heavy machinery for excavation and compaction, ensuring contract completion, surveying, and preparing daily client reports summarizing all site activities, delays, and health and safety concerns. (July-August 2018).
- Municipality of Hastings Highlands. North Baptiste Closure, North Baptiste, ON. Site Supervisor. Supervision of the placement of final cap, compaction work, and all other closure activities. Additional responsibilities included surveying the final cap material and inspecting test holes to ensure sufficient depth and grading was applied (July 2018).
- Waste Management of Canada. Groundwater, Surface Water and Domestic Well Sampling, Ottawa, ON. Site Assessor and Field Team Member. Responsible for planning and conducting groundwater and surface water sampling and monitoring events at the West Carleton landfill and surrounding area. Other duties include data analysis and preparing annual monitoring reports (2017-Ongoing).
- Township of Augusta. Operation and Maintenance of the Wetland Treatment System for the Maynard Waste Disposal Site, Maynard, ON. Site Assessor and Field Team Member. Responsible for the operation, design, and sampling of a constructed wetland groundwater treatment system at a municipal landfill. Other duties include data analysis and preparing a detailed operations manual (May 2018-Ongoing).



Team Lead - Site Assessment & Remediation Ottawa, Senior Hydrogeologist

EDUCATION

- M.Sc., Earth Science, University of Waterloo, 2009
- B.Sc., Earth Science, University of Waterloo, 2003

YEARS OF EXPERIENCE

- 16 years of experience
- 15 years with BluMetric

EMPLOYMENT HISTORY

- 2003 Present: BluMetric, Team Lead Site Assessment & Remediation Ottawa, Senior Hydrogeologist
- 2002: Environment Canada, Environmental Research Assistant
- 2001: Aqua Terre Solutions Inc., Field Technician
- 2000: University of Waterloo, Hydrogeology Field Assistant
- 2000: Natural Resources Canada, Lab Assistant

PROFESSIONAL AFFILIATIONS

- Association of Professional Geoscientists of Ontario
- National Ground Water Association
- International Association of Hydrogeologists

TRAINING

- Expert Witness Forum, 2018
- Fundamentals of Aquifer Test Interpretation,
 S.S. Papadopulos & Associates Inc.,
 GeoOttawa, 2017
- Advanced Construction Dewatering, Aquatech, GeoOttawa, 2017
- First Aid/CPR

LANGUAGES

- English
- French

ROLE

- Team Lead
- Senior Hydrogeologist
- Senior Technical Lead
- Project Manager

EXPERTISE

- Physical and Contaminant Hydrogeology
- Waste Disposal Site Characterization and Monitoring
- Fate and Transport in Fractured Bedrock
- Contaminated Site Assessment and Remediation

PROFESSIONAL PROFILE

Ms. Greer's experience has focused on the physical and chemical hydrogeological characterization of sites (overburden and bedrock), working extensively on projects detailing the hydrogeological properties and fate and transport of contaminants within fractured bedrock. Contaminants she has dealt with include chlorinated solvents, petroleum hydrocarbons, leachate, as well as emerging contaminants such as perfluoroalkylated substances (PFS) and 1-4 dioxane. She routinely manages and acts in a senior technical role on projects relating to Environmental Site Assessments (ESA), contaminated site remediation, hydrogeological investigations as well as permitting and approvals. Ms. Greer's background, experience and understanding of physical and chemical hydrogeology allows her to play a senior technical role within BluMetric as well as to liaise with stakeholders, conduct peer reviews and provide expert technical support. Ms. Greer is a Qualified Person (QP) as per Ontario Regulation 153/04 for Phase I and II ESA in support of filing for a Record of Site Condition (RSC) as well as a QP groundwater in Ontario.

Clients Ms. Greer has worked for include federal, provincial and municipal governments, large industry, commercial enterprises and the private sector.



REPRESENTATIVE EXPERIENCE

Project Management

Ms. Greer has successfully managed projects ranging from small-scale to multi-year, multi-disciplinary ventures. She has managed projects involving solid waste management, contaminant hydrogeology, environmental site assessments and remediation, peer review and expert support and water supply. Her work has required integration of project teams comprised of the appropriately skilled personnel to produce a high quality product in a timely manner. Teams have been multi-disciplinary from across the province including partnership with other BluMetric offices, sub-contractors, contractors, the public and regulators from multiple level of government.

Ms. Greer appreciates that each project is unique and that project requirements sometimes change during implementation. Communication and regular project meetings with all stakeholders (staff, regulators and clients etc.) ensure that project objectives continue to be efficiently met. Regular internal updates and budget reviews ensure the projects remain on schedule and on budget.

Physical and Chemical Hydrogeology

Ms. Greer specializes in the physical and chemical characterization of sites with the development of detailed Conceptual Site Models (CSM) for complex hydrogeological sites. Her work has extended from small localized contaminated sites, to large regional scale impacts. She has experience with all aspects of the work from the field work, regulatory compliance, stakeholder communication and reporting. Ms. Greer specializes in detailed borehole characterization (core logging, profiling), aquifer characterization from pump test, slug and bail test data and has determined the detailed hydrogeological properties of fractured bedrock using packer systems. She is experienced in groundwater modelling using Visual Modflow. She has conducted groundwater under the direct influence of surface water (GUDI) investigations. Select projects include:

- Borden Ladner Gervais LLP. Hydrogeological delineation and investigation related to road salt contamination of domestic water supply aquifer, Emsdale ON. Project Manager and Senior Hydrogeologist. Delineation and CSM refinement of road salt impacted overburden and bedrock groundwater, data gap analysis, detailed bedrock characterization and well profiling. Responsible for project and client management, communication with residence, municipality and various other stakeholders including legal teams (2011-Present).
- Private Client. Municipal Water Supply Development, Port Loring ON. Work included drilling, aquifer testing, GUDI analysis, extensive chemical sampling and PTTW application for a new municipal water supply system. Hydrocarbons released from underground storage tanks in the late 1970s rendered private domestic groundwater supplies in the village unusable (2003-Present).
- Public Works and Government Services Canada. Phase I/II/III ESA, Groundwater Investigations, CSM Update, Domestic Water Sampling and Remedial Options Analysis, Former Fire Fighter Training Area at the Sault Ste. Marie Airport and Adjacent Pointe Des Chenes Campground, Sault Ste. Marie ON. Hydrogeological investigation of site and downgradient property with soil and groundwater impacted by PHCs, BTEX and PFAS. Qualified Person, Project Manager and Senior Hydrogeologist. Responded quickly and effectively to changing client needs and project objectives; liaised with stakeholders (MOECC, Health Canada, downgradient property owner, City of Sault Ste. Marie and general public); completed technical data interpretation and reporting oversight; provided preliminary remedial and risk management options assessment; and oversaw and was responsible for QA/QC of project deliverables. Work in accordance with CSA Standards for Phase I (Z768-01) and

- Phase II (Z769-00) ESAs (July 2015-March 2018).
- Public Works and Government Services Canada. Gap Analysis, Phase II/III ESA, Human Health and Ecological DORA. Remedial **Options** Analysis and Risk Management Development/Implementation for a Former RV Compound at CFB North Bay, North Bay ON. Project Manager and Senior Hydrogeologist. Design and implementation of an environmental monitoring and maintenance plan, multi-year database and site-specific health and safety plan to manage human and ecological risks at a former small landfill site. Soil, sediment and groundwater impacted with PAHs, PHCs/BTEX and inorganics. Ms. Greer was responsible for stakeholder communication; completed technical data interpretation and reporting oversight; and oversaw and was responsible for QA/QC of project deliverables. Work in accordance with CSA Standard for Phase II (Z769-00) ESAs (July 2015-March 2017).
- Timminco Ltd. Hydrogeological Studies and Effluent Management at Timminco Metals Plant, Haley ON. Project Management Support. Responsibilities included supporting the project manager in resource management for site activities relating to ECA compliance (site groundwater monitoring and sampling) for the on-site water treatment system. Also supported implementation of on-site sampling program (2011-2012).
- Infrastructure Ontario. Pan Am Athletes' Village Geotechnical Engineering Related Services, Toronto ON. Project to complete hydrogeological and geothermal assessments as part of a larger project to inform site design and construction and reduce the environmental impact of development. Hydrogeological investigation completed for the purpose of obtaining PTTWs required for site redevelopment and building construction (2009-2011).
- Regional Municipality of Waterloo. Hespeler Waste Water Treatment Plant, Cambridge ON.
 Development of a construction dewatering plan including site conceptual hydrogeologic model,
 determination of groundwater volumes for pumping and potential interference effects and permitting
 and approvals (2008-2011).

Waste Disposal Site Monitoring and Solid Waste Management

Ms. Greer has been working on waste disposal sites for 15 year. She has been a senior technical reviewer and resource on private, industrial and municipal sites of varying sizes both open and closed. Her role has also included senior project management, detailed hydrogeological investigations, permitting and approval compliance assessment and monitoring, regulator communication and stakeholder interaction. Select projects include:

- Waste Management of Canada Inc. Various Waste Management Services for West Carleton Environmental Centre, Ottawa ON. Project Manager and Senior Hydrogeologist. Responsible for: overall management of site environmental monitoring program for both groundwater and surface water; hydrogeologic investigations for leachate impact delineation; and oversight and evaluation of effectiveness of leachate capture system and compliance within the contaminant attenuation zone (CAZ). Also involved in environmental assessments for potential expansion of the landfill including public and government review team consultations and acting in the role of Project Team Liaison (2014-Present).
- Domtar Inc. Private Waste Disposal Site Environmental Compliance for an active site, Cornwall ON. Project Manager and Senior Hydrogeologist. Responsible for overall management of site environmental monitoring program (groundwater and surface water), CAZ assessment and compliance and reporting (2014-Present).
- Ingredion Canada Inc. Waste Disposal Site Environmental Compliance for a Closed Site, Cardinal ON.



- Senior Hydrogeologist. Responsible for the environmental monitoring and reporting of a solid waste disposal site including CAZ delineation and assessment, co-mingling plume examination and communication (2014-Present).
- Magellan Aerospace (A Division of Magellan Aerospace Limited). Waste Management Services for an Active Site, Haley ON. Senior Hydrogeologist. Responsible for the environmental monitoring and reporting of a solid waste disposal site including waste audits, volumetric surveying, contaminating life span and financial assurance calculations (2014-Present).
- Township of Augusta Maynard and North Augusta Waste Disposal Sites. Senior Project Manager and Senior Hydrogeologist. Responsible for: Senior level review of environmental contamination monitoring program (groundwater, surface water, leachate and landfill gas) management, development and implementation as well as site operations for both closed and active natural attenuation WDSs; re-assessment, development and implementation of trigger levels; mitigation measure implementation through engineered design and implementation of capture trench system and wetland treatment at one of the WDSs and associated permitting and approvals; and regulatory reporting requirements. Senior support in limited remedial options assessment and design of upgrade to Wetland Treatment System at Maynard Landfill (in progress) in order to help reduce cost of the monitoring programs (2014-Present).
- Townships of North Augusta and North Grenville. Annual Landfill Monitoring and Operations Reviews, Eastern ON. Senior Hydrogeologist. Work included environmental monitoring and review of site operations for both closed and active sites, including annual reporting of seven municipal landfills (2012-Present).
- City of Stratford. Environmental Monitoring and Review of Landfill Operations for an Active Site, Stratford ON. Project Hydrogeologist. Work included environmental monitoring and sampling and annual landfill reporting (2003-Present).
- Township of West Elgin. Environmental Monitoring and Review of Landfill Operations for an Active Site, West Elgin ON. Project Hydrogeologist. Project included environmental monitoring and review of site operations, including annual reporting of landfill (2003-Present).

Environmental Site Assessment

Ms. Greer has conducted many ESAs for residential/industrial/commercial properties and for existing or former government owned/operated properties/facilities on behalf government agencies, private industry, insurance companies and banks. Assessments have been performed in accordance with O.Reg 153/04, as amended in support of RSC filings as well as in accordance with the CSA Standards. Select projects include:

- City of Ottawa, Various Phase I/II ESAs Under Standing Offer Agreement Ottawa ON. Assessments were carried out to meet due diligence requirements for land purchases and sales, establish baseline conditions and assess properties where environmental impacts are known or suspected. Work occurred at various sites across the city (2009-Present).
- Public Works and Government Services Canada on behalf of Parks Canada. Additional Assessment Work at Forty-Six Toronto Region Conservation Authority (TRCA) Properties and Phase I/II ESAs at four additional TRCA Properties, Toronto ON. Senior Technical Reviewer. Ms. Greer was responsible providing senior review of assessment reports. Work in accordance with Parks Canada Site Assessment Framework and CSA Standards for Phase I (Z768-01) and Phase II (Z769-00) ESAs (January-March 2017).
- Private Pulp and Paper client. Environmental Site Assessments, Various Sites ON and QC. Work was conducted at rural active pulp and paper sites (2017).



- Private Client, Phase I/II ESA and Remediation at a PAH Impacted Site Cornwall ON. Work was completed in support of a RSC for the site which had been impacted by historic operations of an adjacent property. Project Manager, Qualified Person and Senior Hydrogeologist. Ms. Greer liaised with stakeholders (MOECC, downgradient property owner and general public); completed technical data interpretation and reporting oversight; and oversaw/was responsible for QA/QC of project deliverables (2013-2016).
- Private Client, Phase I and II ESA and Remediation at a PAH Impacted Site Cornwall ON. Work was completed in support of a RSC for the site which had been contaminated by historic on-site industrial activities. Project Manager, Qualified Person and Senior Hydrogeologist. Ms. Greer liaised with stakeholders (MOECC, downgradient property owner and general public), completed technical data interpretation and reporting oversight and oversaw/was responsible for QA/QC of project deliverables (2011-2013).
- Private Client. Phase I ESA and RSC filing Winchester ON. Project Manager, Qualified Person and Senior Hydrogeologist. Ms. Greer successfully filed the RSC based on the Phase I ESA.
- Private Industrial Client. Phase I/II/III ESA for a former Industrial Facility Thorold ON. Project Hydrogeologist. Responsible for PCB, PHC and metals-impacted soil, groundwater and sediment investigation, delineation and remediation (2007-2011).
- Private Client (Automotive Parts Manufacturer). Various Services Including Eight Phase I/II ESAs for Properties to be Closed or Divested, Various Sites ON and QC. The properties represented a variety of geological and hydrogeological settings. Contaminants of concern included metals, PHCs, chlorinated solvents, PAHs and PCBs (2003-2011).
- Co-op Federal. Phase I ESAs, Various Sites ON and QC. Work was conducted at rural retail sites (2009).
- Infrastructure Ontario. Phase I/II ESA, Huron Park ON. Assessment of a site with multiple tenants undertaking various light industrial and commercial activities. The project included the collection of soil, ground water and indoor air samples in order to determine chemicals of concern (2005).

Contaminant Site Remediation

Ms. Greer has been involved with the delineation and investigation of contamination in overburden and bedrock and she has been highly involved with non-aqueous phase liquid monitoring, sampling, data analysis and modeling for plume determination and remediation. She has conducted extensive work with the implementation of in-situ chemical oxidation and monitored natural attenuation to meet overall remediation objectives for specific sites. Select projects include:

- High Commission of Trinidad and Tobago, Remedial Action Plan development and implementation,
 Ottawa ON. Remedial options assessment was completed based on site conditions with
 recommendations of multi-phase extraction system as the preferred solution. Project Manager and
 Senior Hydrogeologist. Work included detailed delineation of free and dissolved phase
 contamination, multi-source investigations, bench scale and pilot scale testing, product removal and
 reporting (2013-Present).
- Mac's Convenience Stores. Hydrogeological Study and Remediation, Fergus ON. Remediation consisted of free product removal, active plume management and containment (pump and treat with vacuum extraction), in-situ (persulphate) and monitored natural attenuation. Hydrogeologist. Ms. Greer's responsibilities included management of hydrogeological investigation, plume characterization and remediation of hydrocarbon contamination (dissolved and free phase) in fractured bedrock (2003-Present).



- Mac's Convenience Stores. Service Station Decommissioning or Upgrades, Various Sites ON. Senior Hydrogeologist. Work included contract management services and oversight of remedial activities and provision of ongoing environmental consultation services (2003-Present).
- Private Client. Environmental Site Assessment, Remedial Investigation, Feasibility Study and Design/Build of a Groundwater Remediation System, Cambridge ON. Hydrogeologist. Work was conducted to address contamination at an industrial site contaminated with TCE and TCA (2003-Present).
- Private Client. Remediation of Hydrocarbon Contamination at a Former Bulk Fuel and Retail Gas Station, Guelph ON. Hydrogeologist. The project included installation and sampling of groundwater monitoring wells, hydrocarbon fingerprinting, the development of a remedial action plan, risk assessment, excavation of impacted soil and in-situ remediation with persulphate (2003-Present).
- Infrastructure Ontario. MNRF Pembroke Works Yard Limited Phase II ESA (June 2012), Remediation Planning and Oversight (2012-2013) and Long-Term Monitoring (2013-2016), Pembroke ON. Contaminant of concern was petroleum hydrocarbons. Project Hydrogeologist. Ms. Greer was responsible for technical support and report review. This project included development of a remedial action plan and remedial specifications (NMS format), remediation oversight and follow-up environmental monitoring and reporting.

PUBLICATIONS & PRESENTATIONS

- Greer, K.D., Barker, J.F., Molson, J.W., Thomson N.R., Donaldson, C.R. 2010. High-pressure injection of dissolved oxygen for hydrocarbon remediation in a fractured dolostone aquifer, Journal of Contaminant Hydrology 118 (2010) 13–26.
- Greer, K.D., 2009. Evaluation of an Oxygen Injection Technology for In-Situ Hydrocarbon Bioremediation in a Fractured Bedrock Environment. MSc Thesis, University of Waterloo.
- Greer, K.D., Barker, J.F., Molson, J.W., Donaldson, C.R., 2009. Evaluation of high-pressure oxygen injection for in-situ hydrocarbon bioremediation in a fractured bedrock environment, In Proceedings: 62nd Annual CGS and 10th Joint IAH-CNC Groundwater Specialty Conference, Halifax.
- Richard, F.A., van Walsum, N., Greer, K.D. and Novakowski, K. 2004. Continuous Downhole Hydraulic Testing of Fractured Bedrock Aquifers: Methodology and Field Example. Proceedings of the 57th Canadian Geotechnical Conference/5th Joint IAH-CNC/CGS Conference, Québec City, Canada, Oct. 24-28, 2004.

