



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

Submitted to:



Royal LePage Performance Realty
168 Pretoria Avenue
Ottawa, ON K1S 1X1

Prepared by:

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

Project Number: 180623

07 November 2018

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1. INTRODUCTION

In September 2018 BluMetric Environmental Inc. (BluMetric™) was retained by Royal LePage Performance Realty (Royal LePage) 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 K1S 1W7
- 30 Pretoria Avenue, Ottawa, Ontario K1S 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)



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:

Mr. Jordan R. Bianconi
Royal LePage Performance Realty
165 Pretoria Avenue, Ottawa, Ontario
613-867-8847
jbianconi@royallepage.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.



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.

2. 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.



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:



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, presumably 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.



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.



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 to the east of the Phase One Property, and shares their property with 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:

Item	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



Item	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:



- 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.



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,
 - 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.



# of Records	Address	Company	Description
11	16 Pretoria Avenue (50 metres east of the Phase One Property)	Pretoria Pet Hospital	<ul style="list-style-type: none"> - 261 pharmaceuticals - 264 photoprocessing wastes - 312 pathological wastes
5	64 Isabella Street (80 m north of the Phase One Property)	Loblaw #1095	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Industrial Building and Structure Construction
3	92 Isabella Street (134 m north-west of the Phase One Property)	Frontier	<ul style="list-style-type: none"> - 241 halogenated solvents - 252 waste oils and lubricants - 331 waste compressed gases
1	20 Monkland Avenue (191 m south of the Phase One Property)	Andrew Pakuts	<ul style="list-style-type: none"> - No description provided
1	30 Monkland Avenue (221 m south of the Phase One Property)	Terrance J. McManus	<ul style="list-style-type: none"> - 221 light fuels
3	464 Metcalfe Street (228 m north of the Phase One Property)	Centretown Citizens Ottawa Corporation	<ul style="list-style-type: none"> - 251 oil skimmings and sludges
		Modern Niagara Building Services	<ul style="list-style-type: none"> - 212 aliphatic solvents and residues
1	475 Elgin Street (233 m north of the Phase One Property)	Paramount Properties	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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.



- 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.



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:

Item	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
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 B.

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.



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 search of the HLUI (Historical Land Use Inventory) database was requested on September 13, 2018. The search was conducted by the City of Ottawa on October 16, 2018. It must be noted that no new information has been added to the HLUI database since 2005.

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.

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.

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

- 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
 - 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.

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 Street
 - b. Classification: Major Site
 - c. 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 Street
 - b. Classification: Minor Site
 - c. 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:

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.



Photo Date	Description
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

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.

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:

Eastings	Northing	Static Water Level (ft)	Depth to Bedrock (ft)	Primary Water Use	Final Well Status	Construction 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	Gravelly sand for 1.8 m followed by grey clay for 4 m.
446393	5028837	-	-	Monitoring and Test Hole	Monitoring and Test Hole	February 2010	Gravelly sand for 1.8 m followed by grey clay for 3 m.



Eastings	Northings	Static Water Level (ft)	Depth to Bedrock (ft)	Primary Water Use	Final Well Status	Construction Date	Geology
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.

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.

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 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, however; Ms. Dubé was unaware of its origin or intended purpose, as described in Section 4.0.

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 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.

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.

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.
- 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 lift 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.



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:

Item	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
10.	Commercial Autobody Shops	461 O'Connor Street - Griffin Automotive Services Ltd. 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 and Power Stations	Various pole mounted and ground level transformers observed within the Phase One Study Area.

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

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 purposes	Residential or 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 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 120 Isabella Street – Elie Auto Body 461 O'Connor Street – Griffin Automotive Services Ltd.
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. 474 Elgin Street – City of Ottawa Police Headquarters
30.	Importation of Fill Material of Unknown Quality	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.

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.

Several historic City of Ottawa landfills are located within 2 km of the Phase One Property. There were no landfills within 250 m of the Phase One Property. All historic landfills have closed, with the most recent landfill closure occurred in 1963. 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. 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.

A response from the MECP, City of Ottawa and TSSA had not been received at the time this report was issued. If records are received that provide new environmental information modifying conclusions drawn in the current Phase I ESA report, a summary will be prepared and forwarded. 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.

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 visit; 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 Royal LePage Performance Realty. 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.



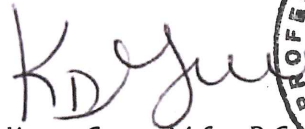
STATEMENT AND SIGNATURE OF THE QUALIFIED PERSON

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.
Senior Hydrogeologist



9. REFERENCES

Canadian Standards Association (CSA). 2001. CSA Z768-01 Phase 1 Environmental Site Assessment, Environmental Technology, a CSA Information Product, 2001.

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

Intra 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




FIGURES





LEGEND

 Phase One Property



1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

REFERENCES
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1:50,000

CLIENT
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 Performance Realty

PROJECT
 Phase One
 Environmental Site Assessment
 28 & 30 Pretoria Avenue, Ottawa ON

TITLE
 Phase One
 Property Location

 3108 Carp Road PO Box 430
 Ottawa, Ontario K0A 1L0
 TEL: (613) 839-3053
 FAX: (613) 839-5376
 Email: info@blumetric.ca
 Web: http://www.blumetric.ca

PROJECT # 180623		DATE September 25, 2018	
DRAWN KH	CHECKED JL	FIG NO. 01	REV 0

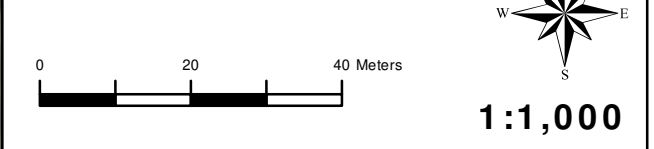


LEGEND

Phase One Property

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

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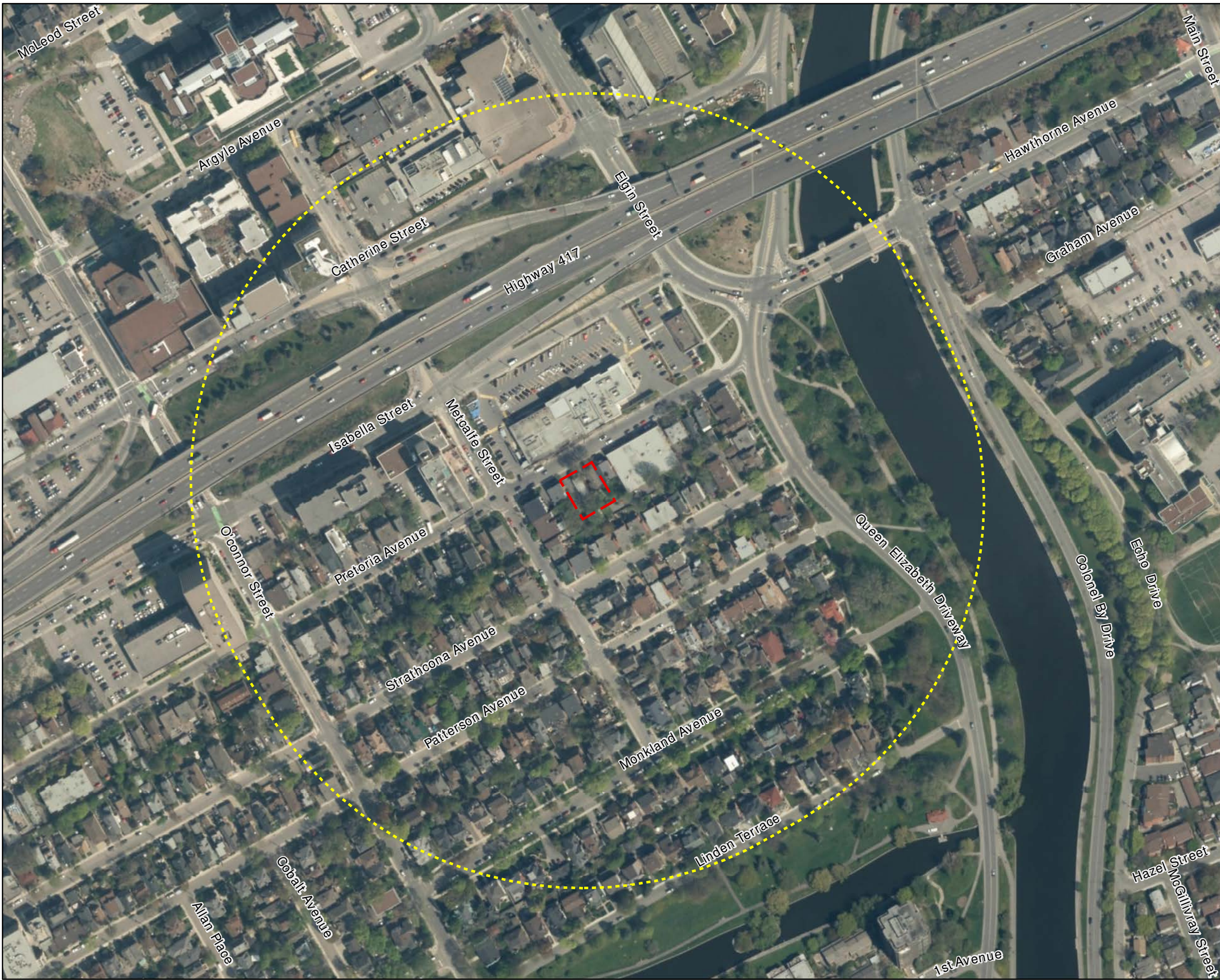
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**Royal LePage
 Performance Realty**

PROJECT
**Phase One
 Environmental Site Assessment
 28 & 30 Pretoria Avenue, Ottawa ON**

TITLE
**Phase One
 Property**

BluMetric™
 Environmental
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PROJECT # 180623		DATE September 25, 2018	
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LEGEND

- Phase One Study Area
- Phase One Property

1				
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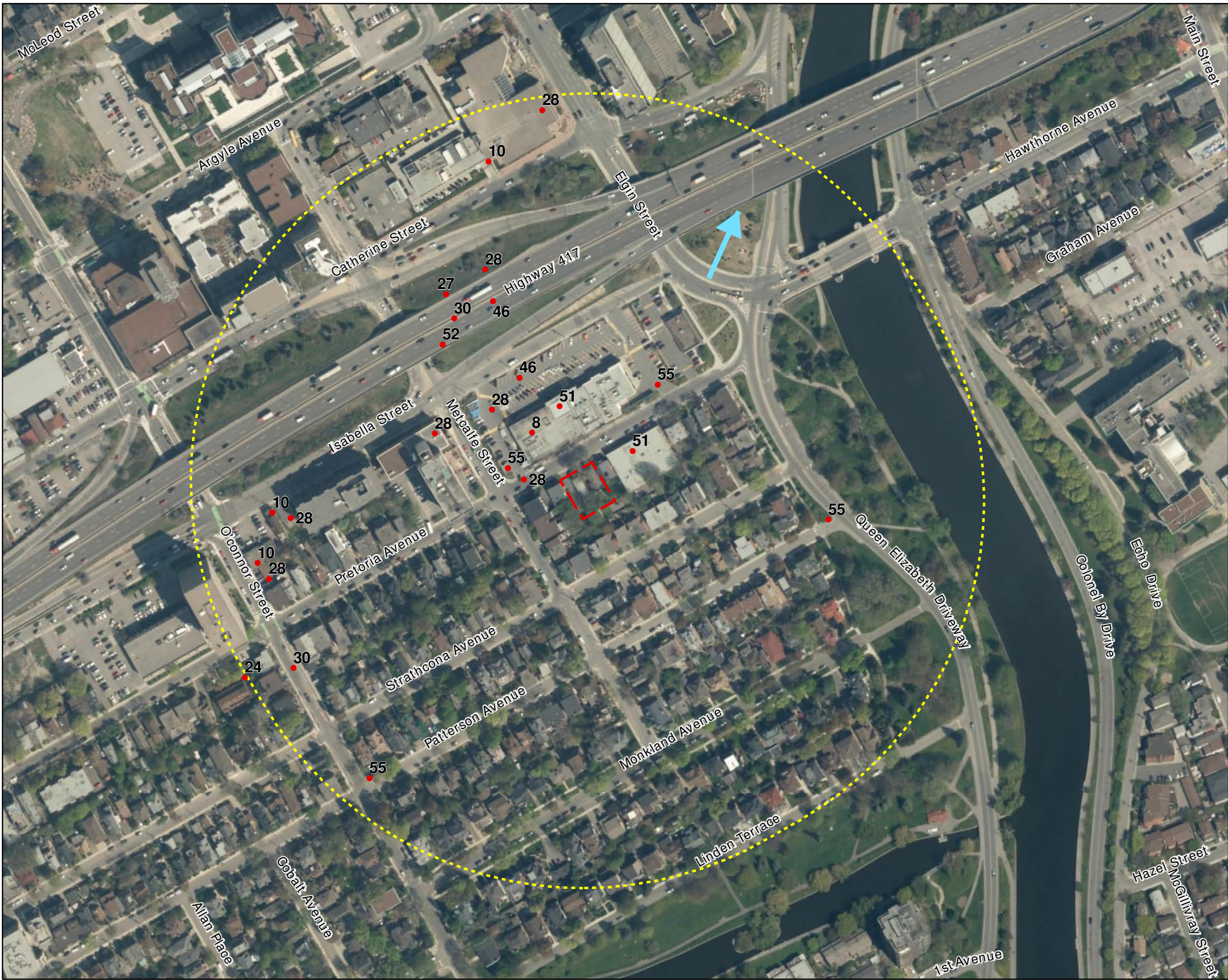
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 Performance Realty

PROJECT
 Phase One
 Environmental Site Assessment
 28 & 30 Pretoria Avenue, Ottawa ON

TITLE
 Phase One Property
 and
 Phase One Study Area

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PROJECT # 180623	DATE September 25, 2018
DRAWN KH	CHECKED JL
FIG NO. 03	REV 0



LEGEND

- Phase One Property
- Phase One Study Area
- ➔ Inferred Direction of Shallow Groundwater Flow

Potentially Contaminating Activities:

8. Chemical Manufacturing, Processing and Bulk Storage
10. Commercial Autobody Shops
24. Fire Training
27. Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
28. Gasoline and Associated Products Stored in Fixed Tanks
30. Importation of Fill Material of Unknown Quality
46. Rail Yards, Tracks and Spurs
51. Solvent Manufacturing, Processing and Bulk Storage
52. Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles, and Material used to Maintain Transportation Systems
55. Transformer Manufacturing, Processing and Use

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK
<p>REFERENCES</p> <p>PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.</p>				
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PROJECT
Phase One Environmental Site Assessment 28 & 30 Pretoria Avenue, Ottawa ON

TITLE
Phase One Conceptual Site Model

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PROJECT # 180623		DATE October 02, 2018		
DRAWN KH	CHECKED JL	FIG NO. 04	REV 0	

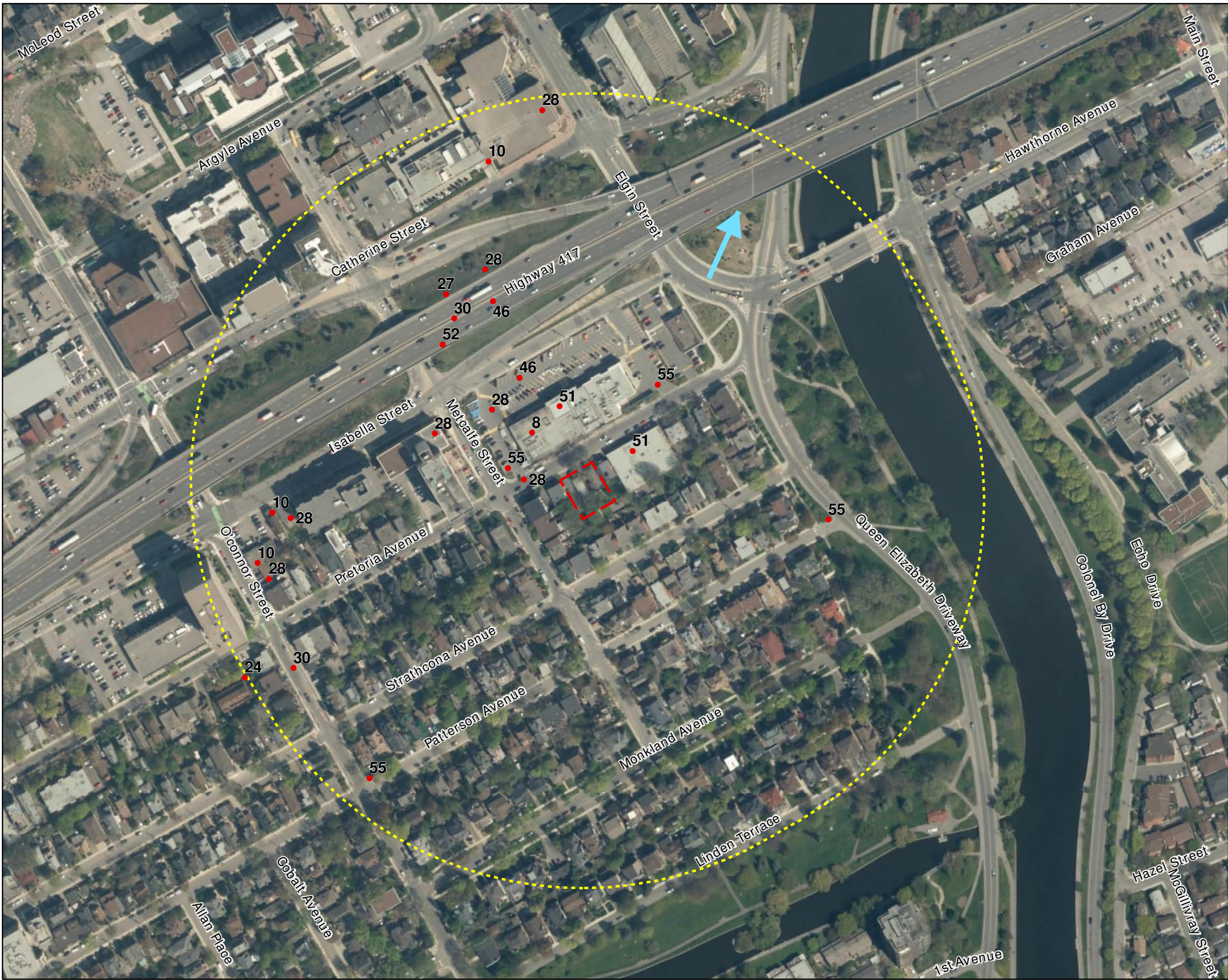
APPENDIX A

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





LEGEND

- Phase One Property
- Phase One Study Area
- ➔ Inferred Direction of Shallow Groundwater Flow

- Potentially Contaminating Activities:**
- 8. Chemical Manufacturing, Processing and Bulk Storage
 - 10. Commercial Autobody Shops
 - 24. Fire Training
 - 27. Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
 - 28. Gasoline and Associated Products Stored in Fixed Tanks
 - 30. Importation of Fill Material of Unknown Quality
 - 46. Rail Yards, Tracks and Spurs
 - 51. Solvent Manufacturing, Processing and Bulk Storage
 - 52. Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles, and Material used to Maintain Transportation Systems
 - 55. Transformer Manufacturing, Processing and Use

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

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PROJECT

**Phase One
Environmental Site Assessment
28 & 30 Pretoria Avenue, Ottawa ON**

TITLE

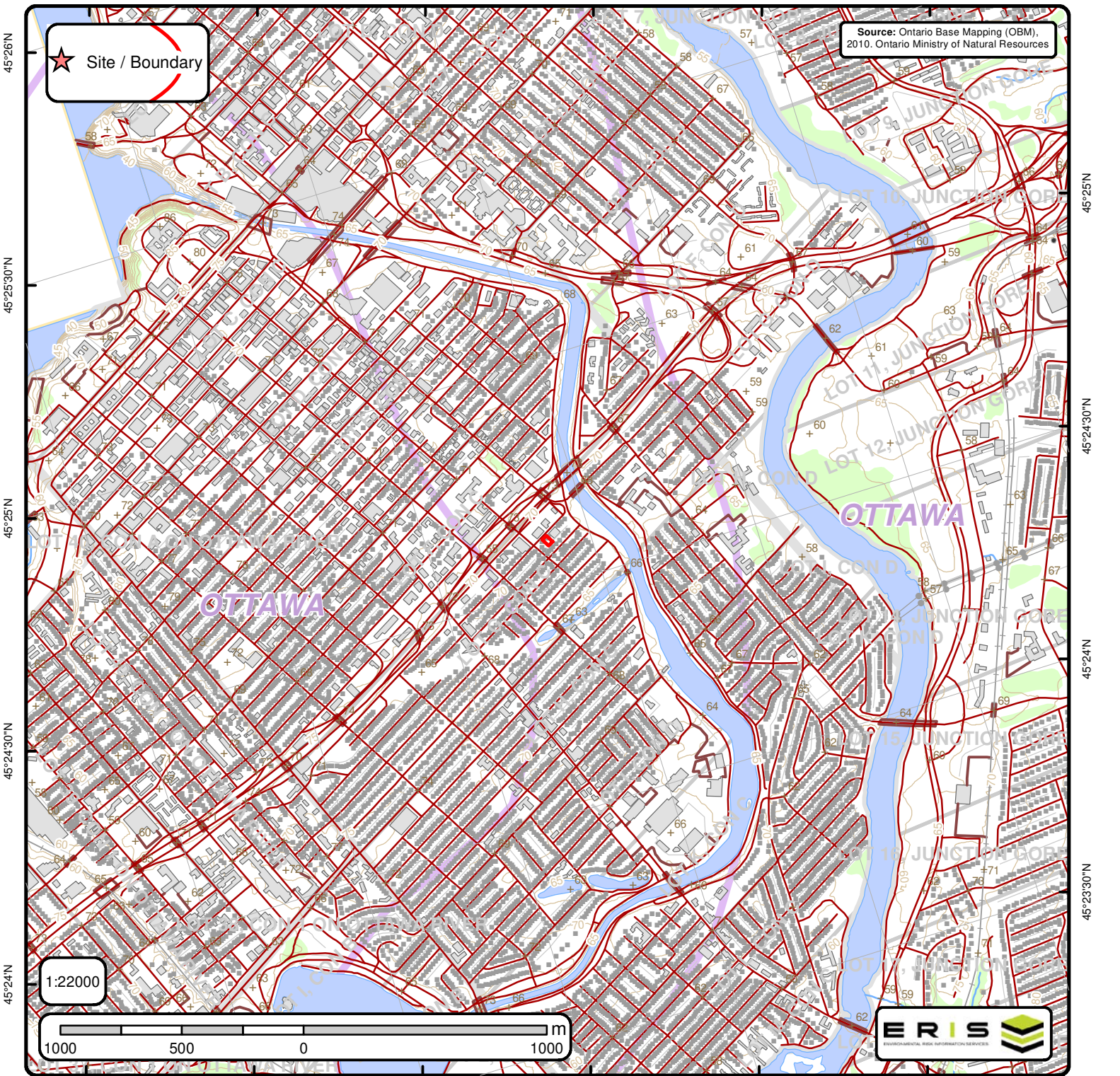
**Phase One
Conceptual Site Model**

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PROJECT # 180623		DATE October 02, 2018	
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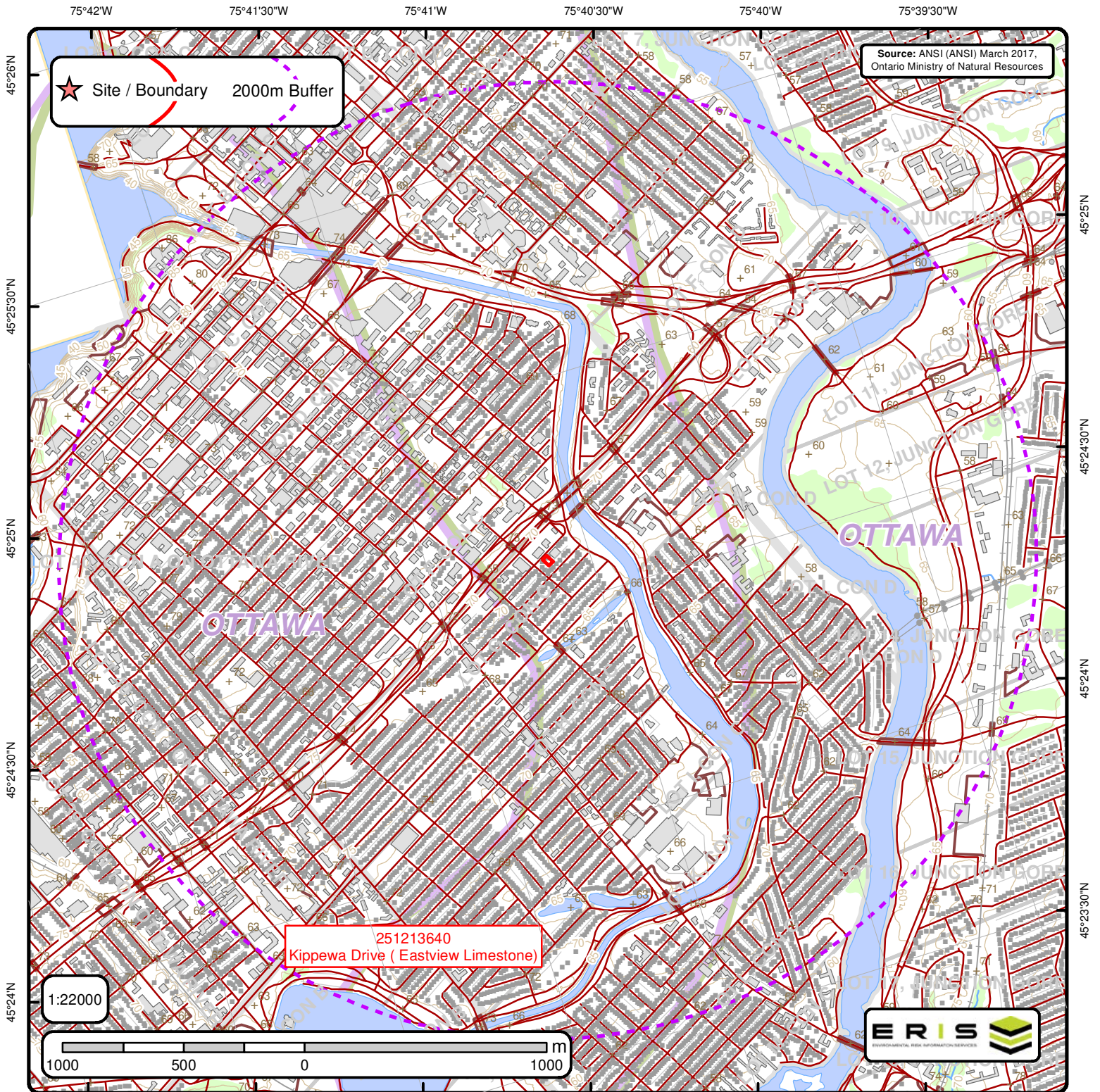
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Ontario Base Mapping (OBM) Data

Order No. 20180911009

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



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

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



ANSI Report

ANSI Units Found within 2000 m of
28 & 30 Pretoria Avenue, Ottawa, ON, K1S



ANSI Name: Kippewa Drive (Eastview Limestone)

ID: 251213640 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** No | **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
P03975*

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

Property Information:

Project Property: *Phase I ESA RSC 28&30 Pretoria Avenue, Ottawa, ON
28 & 30 Pretoria Avenue Ottawa ON K1S*

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 Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

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

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

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

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

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

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

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

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

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

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

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

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

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
80	BORE		ON	ENE/230.6	-14.39	115
81	BORE		ON	WNW/232.3	2.61	116
82	GEN	Paramount Properties	475 Elgin st Ottawa ON K2P 2E6	N/233.2	0.00	116
83	CA	R.M. OF OTTAWA-CARLETON	O'CONNOR ST./ISABELLA ST. OTTAWA CITY ON	W/237.2	4.61	117
84	BORE		ON	N/238.6	0.00	117
85	BORE		ON	NNW/238.8	1.61	118
86	BORE		ON	W/241.7	3.61	118
87	BORE		ON	NNW/243.6	1.61	119
88	BORE		ON	WSW/246.2	5.73	120
89	BORE		ON	NE/252.2	-8.99	120
90	BORE		ON	ENE/253.0	-2.97	121
91	CA		474 Elgin Street Ottawa ON K2P 2J6	NNW/254.4	1.61	122
91	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
91	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
91	CFOT	CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	NNW/254.4	1.61	122
91	ECA	City of Ottawa	474 Elgin Street Ottawa ON K2G 6J8	NNW/254.4	1.61	123
91	ECA	City of Ottawa	474 Elgin St Ottawa ON K1P 1J1	NNW/254.4	1.61	123
91	ECA	City of Ottawa	474 Elgin St Ottawa ON K2P 2J6	NNW/254.4	1.61	123
91	ECA	The Regional Municipality of Ottawa-Carleton	474 Elgin Street Ottawa ON K2P 2L7	NNW/254.4	1.61	124
91	FST	CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	NNW/254.4	1.61	124
91	FST	CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	NNW/254.4	1.61	124
91	FSTH	CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	NNW/254.4	1.61	124
91	FSTH	CORP CITY OF OTTAWA	474 ELGIN OTTAWA ON K2P 2J6	NNW/254.4	1.61	125
91	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
91	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	NNW/254.4	1.61	127

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

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	136
91	GEN	City Of Ottawa	474 Elgin St. Ottawa ON K2P 2J6	NNW/254.4	1.61	136
91	GEN	OTTAWA, CITY OF - POLICE STATION	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	137
91	GEN	OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	474 ELGIN STREET OTTAWA ON K2P 2J6	NNW/254.4	1.61	138
91	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	140
92	BORE		ON	SSW/256.5	-1.02	141
93	BORE		ON	NNE/256.6	-0.79	141
94	BORE		ON	N/259.9	1.57	142

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

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

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	151
99	GEN	Elevation Elevator Inc.	150 Isabella Street Ottawa ON K1S 5H3	WSW/263.9	5.57	151
99	SCT	ZIM Corporation	150 Isabella St Unit 150 Ottawa ON K1S 1V7	WSW/263.9	5.57	152
99	SCT	Exclaimer	150 Isabella St suite 210 Ottawa ON K1S 5P7	WSW/263.9	5.57	152
99	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 Well ID: 7293173	NE/267.1	-3.49	153
101	GEN	VON National	110 Argyle Ave Ottawa ON	NNW/267.1	1.61	155
101	GEN	VON National	110 Argyle Ave Ottawa ON	NNW/267.1	1.61	156
102	SPL	Parks Canada (Rideau Canal)	Colonel By Dr. & Hawthorne Ave. Intersection Ottawa ON	NE/272.5	-2.64	156
103	WWIS		ON Well ID: 7206031	WNW/272.9	2.61	156
104	ECA	LRC Development Team Test Client	150 ARGYLE Ave Ottaway ON M4W 1A1	NW/274.6	1.61	157
104	WDS	LRC Development Team Test Client	150 ARGYLE Ave Ottaway ON M4W 1A1	NW/274.6	1.61	157

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

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	9.4	<u>1</u>
	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>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	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	<u>33</u>
	ON	130.8	<u>34</u>
	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>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	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>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	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>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	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	<u>88</u>
	ON	252.2	<u>89</u>
	ON	253.0	<u>90</u>
	ON	256.5	<u>92</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	256.6	<u>93</u>
	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>

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

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	474 Elgin Street Ottawa ON K2P 2J6	254.4	<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.

<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>

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

Site	Address	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	Address	Distance (m)	Map Key
Loblaw Properties Limited	64 Isabella St Ottawa ON L6Y 5S5	80.2	<u>21</u>
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>	<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>
The Regional Municipality of Ottawa-Carleton	474 Elgin Street Ottawa ON K2P 2L7	254.4	<u>91</u>
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 Ottawa 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.

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	480 Metcalfe Street Ottawa ON K1S 3N6 <i>Order ID: 77822</i>	79.9	<u>20</u>
	480 Metcalfe Street Ottawa ON K1S 3N6 <i>Order ID: 205474</i>	79.9	<u>20</u>
	64 Isabella Street Ottawa ON K1S 1V4 <i>Order ID: 163116</i>	80.2	<u>21</u>
	480 Metcalfe Street And 100 Isabella Street Ottawa ON <i>Order ID: 424010</i>	123.2	<u>30</u>
	114 Isabella St Ottawa ON K1S1V5 <i>Order ID: 244048</i>	185.4	<u>53</u>
	464 Metcalfe Ottawa ON <i>Order ID: 203173</i>	227.7	<u>77</u>
	424 Metcalfe Street Ottawa ON K2P 2C3 <i>Order ID: 50420</i>	260.8	<u>95</u>
	150 Isabella St Ottawa ON K1S1V7 <i>Order ID: 401152</i>	263.9	<u>99</u>
	114 Argyle Avenue Ottawa ON K2P 1B4 <i>Order ID: 41701</i>	288.1	<u>110</u>
	221 Echo Drive Ottawa ON K1S 1N1 <i>Order ID: 63994</i>	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.

<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	91
CITY OF OTTAWA	474 ELGIN ST OTTAWA ON K2P 2J6	254.4	91

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>	<u>Distance (m)</u>	<u>Map Key</u>
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	91

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.

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

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
GOLDER ASSOCIATES	5 Pretoria Avenue Ottawa ON	103.2	<u>27</u>
FRONTIER, (OUT OF BUS) 024	48- 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	<u>77</u>
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	Address	Distance (m)	Map Key
City Of Ottawa	474 Elgin St. Ottawa ON K1G 6H5	254.4	<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	<u>91</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<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	<u>99</u>
CANADA BORDER SERVICES AGENCY	150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1A 0L8	263.9	<u>99</u>
Capital Endodontics	150 Isabella Street suite 100 Ottawa ON K1S 1V7	263.9	<u>99</u>

Site	Address	Distance (m)	Map Key
Metcalfe Realty Company Limited	150 Isabella Steet Ottawa ON K1S 1V7	263.9	<u>99</u>
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>	<u>Distance (m)</u>	<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	119
METCALFE REALTY COMPANY LIMITED	460 O'CONNOR STREET OTTAWA ON K1S 5N3	297.6	119

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

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

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

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.

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

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.

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

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

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

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.

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

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	Address	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	485 Metcalfe Street Ottawa ON	14.1	<u>2</u>
	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>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PUC	AT 474 ELGIN ST. AT THE OTTAWA POLICE STATION STORAGE TANK OTTAWA CITY ON K2P 2J6	254.4	91
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.

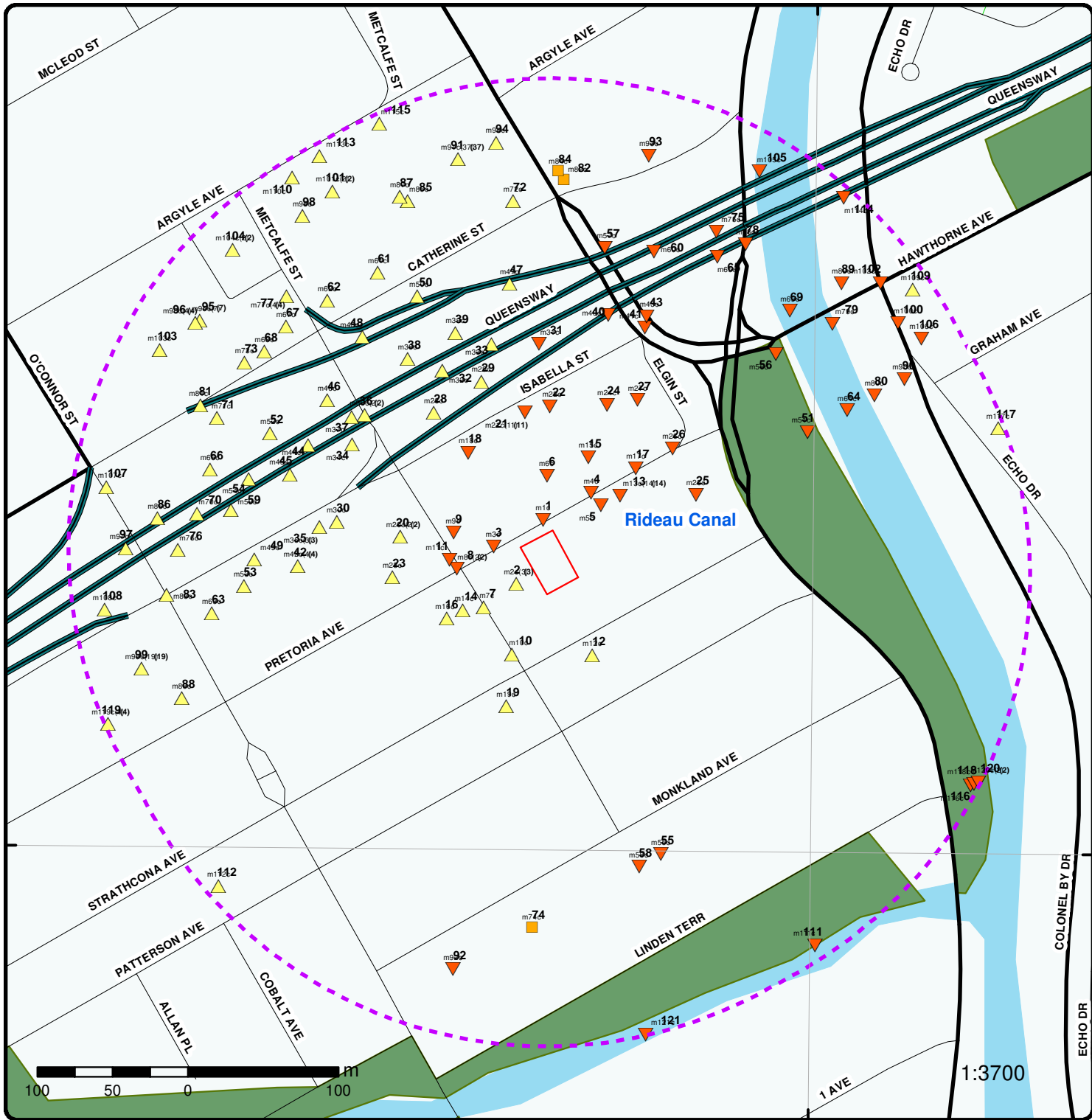
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
LRC Development Team Test Client	150 ARGYLE Ave Ottawa ON M4W 1A1	274.6	104

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID: 7142129</i>		
	OTTAWA ON	213.8	<u>67</u>
	<i>Well ID: 7044390</i>		
	lot F con C OTTAWA ON	219.0	<u>71</u>
	<i>Well ID: 7292768</i>		
	lot G con C Ottawa ON	267.1	<u>100</u>
	<i>Well ID: 7293173</i>		
	ON	272.9	<u>103</u>
	<i>Well ID: 7206031</i>		
	OTTAWA ON	291.9	<u>113</u>
	<i>Well ID: 7218981</i>		



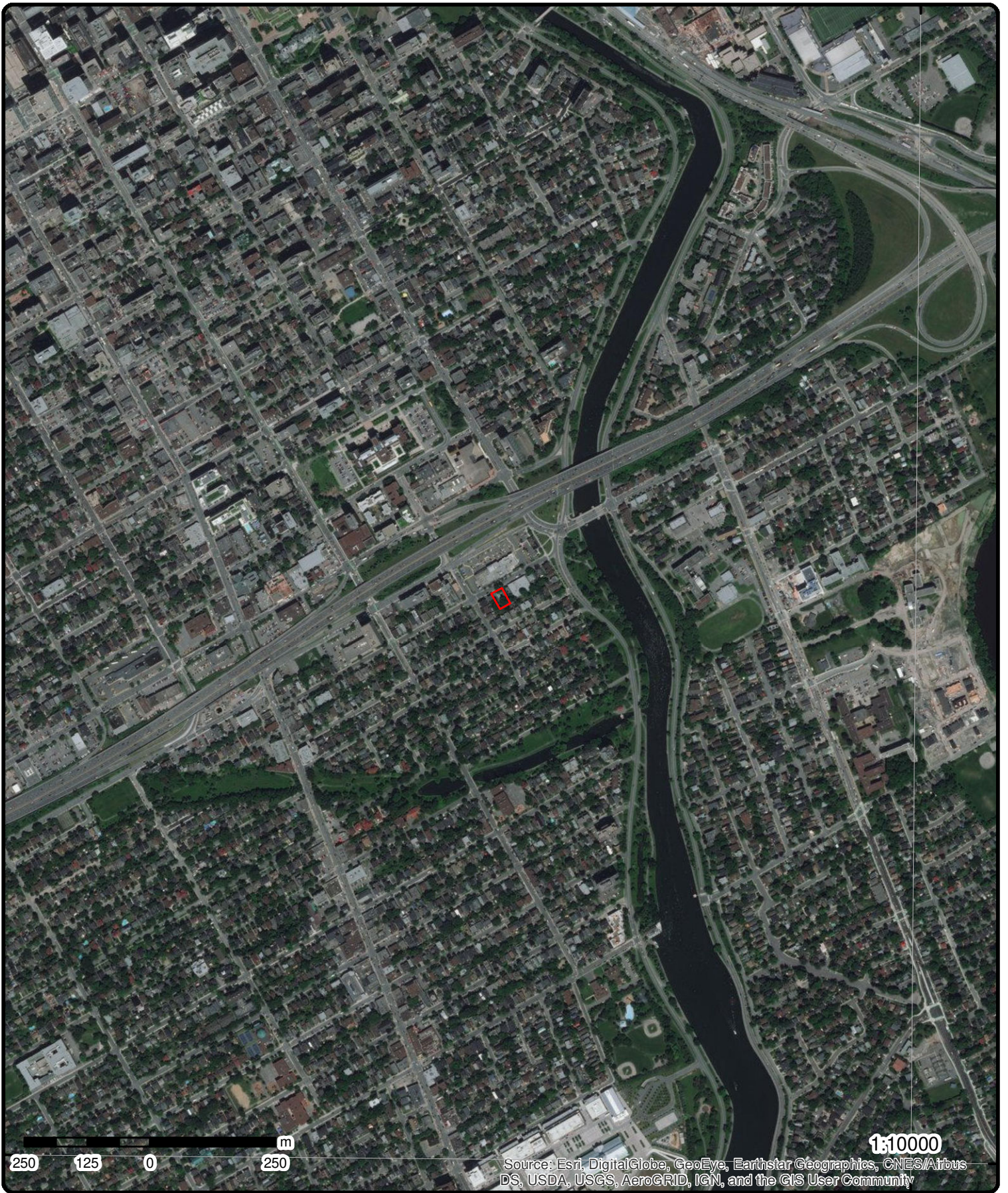
Map : 0.3 Kilometer Radius

Order No: 20180911009

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



Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range
Eris Sites with Lower Elevation	Local road	Abandoned Line	Park or Sports Field
Eris Sites with Unknown Elevation	Trail	Abandoned Line	Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		



Aerial (2017)

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

Source: ESRI World Imagery

Order No: 20180911009



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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

Topographic Map

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

Source: ESRI World Topographic Map

Order No: 20180911009



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	N/9.4	67.9 / -1.39	ON	BORE
Borehole ID: 805673					
Use: Geotechnical/Geological Investigation					
Drill Method:: Hollow stem auger					
Easting:: 446350.48					
Location Accuracy::					
Elev. Reliability Note::					
Total Depth m:: 3.7					
Township::					
Lot::					
Completion Date:: 12-JAN-1988					
Primary Water Use::					
Type: Borehole					
Status::					
UTM Zone:: 18					
Northing:: 5028760.79					
Orig. Ground Elev m:: -999.9					
DEM Ground Elev m:: 66.2					
Primary Name:: BH.4					
Concession::					
Municipality:					
Static Water Level:: -999.9					
Sec. Water Use::					
--Details--					
Stratum ID: 218585714					
Bottom Depth(m): 0.2					
Top Depth(m): 0.0					
Stratum Desc: Asphalt					
Stratum ID: 218585715					
Bottom Depth(m): 0.2					
Top Depth(m): 0.2					
Stratum Desc: Concrete					
Stratum ID: 218585716					
Bottom Depth(m): 0.8					
Top Depth(m): 0.2					
Stratum Desc: Grey-Brown Fill-Misc Silt - Sand Trace: Gr					
Stratum ID: 218585717					
Bottom Depth(m): 0.9					
Top Depth(m): 0.8					
Stratum Desc: Topsoil					
Stratum ID: 218585718					
Bottom Depth(m): 1.4					
Top Depth(m): 0.9					
Stratum Desc: Grey-Brown Compact Silt - Sand Trace: Gr					
Stratum ID: 218585719					
Bottom Depth(m): 3.0					
Top Depth(m): 1.4					
Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay					
Stratum ID: 218585720					
Bottom Depth(m): 3.7					
Top Depth(m): 3.0					
Stratum Desc: Grey Stiff Silty Clay					
<u>2</u>	1 of 3	WSW/14.1	69.6 / 0.31	485 Metcalfe Street, Ottawa ON	PINC
Incident ID:					
Incident No: 546606					
Type: FS-Pipeline Incident					
Status Code: Pending L2 Causal Analysis					
Fuel Occurrence Tp:					
Fuel Type:					
Tank Status: Unable to establish RC					
Task No: 3260601					
Spills Action Centre:					
Method Details: E-mail					
Fuel Category: Natural Gas					
Date of Occurrence:					
Occurrence Start 8/19/2011					
Health Impact:					
Environment Impact:					
Property Damage: Yes					
Service Interrupt:					
Enforce Policy: Yes					
Public Relation:					
Pipeline System:					
Depth:					
Pipe Material:					
PSIG:					
Attribute Category: FS-Perform P-line Inc Invest					
Regualtor Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date:					
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:		485 Metcalfe Street, Ottawa - 1/2" Pipeline Hit			
Reported By:		Todd Stiles - Enbridge			
Affiliation:					
Occurrence Desc:					
Damage Reason:		Undetermined			
Notes:					

<u>2</u>	2 of 3	WSW/14.1	69.6 / 0.31	Enbridge Gas Distribution Inc. 485 Metcalfe Street Ottawa ON	SPL
Ref No:	5337-AZ8PRP			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2018/05/29			Client Type:	Corporation
Year:				Sector Type:	Miscellaneous Industrial
Incident Cause:				Source Type:	Pipeline/Components
Incident Event:	Leak/Break			Nearest Watercourse:	
Contaminant Code:	35			Site Name:	Residential<UNOFFICIAL>
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	485 Metcalfe Street
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:	1075			Site Postal Code:	
Contaminant Qty:	0 other - see incident description			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
Health/Env Conseq:	2 - Minor Environment			Easting:	
MOE Response:	No			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				
Incident Summary:	TSSA FSB: 1/2" plastic IP line damage, made safe				

<u>2</u>	3 of 3	WSW/14.1	69.6 / 0.31	485 Metcalfe St Ottawa ON	SPL
Ref No:	0257-8EW7RA			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	3/12/2011			Client Type:	
Year:				Sector Type:	Pipeline
Incident Cause:	Discharge or Emission to Air			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:	35			Site Name:	Residence<UNOFFICIAL>
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	485 Metcalfe St
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:	
Environment Impact:	Confirmed			Site Municipality:	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:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Dt MOE Arvl on Scn: MOE Reported Dt: 3/12/2011 Dt Document Closed: 3/17/2011 Agency Involved: SAC Action Class: TSSA - Fuel Safety Branch Incident Reason: Other - Reason not otherwise defined Incident Summary: TSSA: severed 1/2-inch service, made safe				Site Geo Ref Meth: Site Map Datum:	

<u>3</u>	1 of 1	WNW/17.9	68.2 / -1.12	ON	BORE
Borehole ID: 805676 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 446317.68 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 4.3 Township:: Lot:: Completion Date:: 12-JAN-1988 Primary Water Use::	Type: Borehole Status:: UTM Zone:: 18 Northing:: 5028742.91 Orig. Ground Elev m:: -999.9 DEM Ground Elev m:: 66.4 Primary Name:: BH.5 Concession:: Municipality: Static Water Level:: 2.3 Sec. Water Use::				
--Details--					
Stratum ID: 218585728 Bottom Depth(m): 0.2	Top Depth(m): 0.0 Stratum Desc: Asphalt				
Stratum ID: 218585729 Bottom Depth(m): 0.4	Top Depth(m): 0.2 Stratum Desc: Concrete				
Stratum ID: 218585730 Bottom Depth(m): 0.9	Top Depth(m): 0.4 Stratum Desc: Grey-Brown Fill-Misc Silt - Sand Trace: Gr				
Stratum ID: 218585731 Bottom Depth(m): 1.2	Top Depth(m): 0.9 Stratum Desc: Topsoil				
Stratum ID: 218585732 Bottom Depth(m): 2.5	Top Depth(m): 1.2 Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay				
Stratum ID: 218585733 Bottom Depth(m): 4.3	Top Depth(m): 2.5 Stratum Desc: Grey Stiff Silty Clay				

<u>4</u>	1 of 1	NNE/35.4	69.0 / -0.31	ON	BORE
Borehole ID: 805671 Use: Geotechnical/Geological Investigation Drill Method:: Hollow stem auger Easting:: 446382.55 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 3.7 Township:: Lot:: Completion Date:: 12-JAN-1988 Primary Water Use::	Type: Borehole Status:: UTM Zone:: 18 Northing:: 5028778.19 Orig. Ground Elev m:: -999.9 DEM Ground Elev m:: 65.7 Primary Name:: BH.3 Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::				
--Details--					
Stratum ID: 218585709 Bottom Depth(m): 3.0	Top Depth(m): 1.3 Stratum Desc: Grey-Brown Very Stiff to Stiff Weathered Crust				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
					Silty Clay
Stratum ID:	218585710			Top Depth(m):	3.0
Bottom Depth(m):	3.7			Stratum Desc:	Grey Stiff Silty Clay
Stratum ID:	218585705			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218585706			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Concrete
Stratum ID:	218585707			Top Depth(m):	0.3
Bottom Depth(m):	1.0			Stratum Desc:	Brown Compact Fill-Misc Silt - Sand Trace: Gr Tr Constr Debris
Stratum ID:	218585708			Top Depth(m):	1.0
Bottom Depth(m):	1.3			Stratum Desc:	Grey-Brown Compact Silt - Sand Trace: Gr

<u>5</u>	1 of 1	NE/36.1	69.0 / -0.31	16 to 22 Pretoria Avenue Ottawa ON K1S 1W7	EHS
Order ID:	78077			Date Received:	6/12/2006
Order No:	20060612006			Lot/Building Size:	13,400 square feet
Customer ID:	44847			Municipality:	
Company ID:	30425			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	3CAN			Large Radius:	2
Report Type:	Complete Report			X:	-75.685049
Report Date:	6/20/2006			Y:	45.410275
Report Requested by:	Jacques Whitford Limited				
Nearest Intersection:	south side of Pretoria, between Metcalfe and Elgin				
Previous Site Name:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				

<u>6</u>	1 of 1	N/36.6	66.5 / -2.73	OTTAWA ON	WWIS
Well ID:	7122747			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring			Date Received:	5/7/2009
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	0			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z88886			Owner:	
Tag:	A081085			Street Name:	64 ISABELLA
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1002422203			Elevation:	65.62

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	446353
Code OB Desc:				Org CS:	UTM83
Open Hole:				North83:	5028790
Cluster Kind:				UTMRC:	3
Date Completed:	08-APR-09			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	gis
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 1002550018
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 5
Formation End Depth: 18
Formation End Depth UOM: ft

Formation ID: 1002550017
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 5
Formation 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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:	1				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1002550027				
Method Construction Code:	D				
Method Construction:	Direct Push				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	1002550016				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1002550024				
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	0				
Depth To:	8				
Casing Diameter:	1				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
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				
<u>Water Details</u>					
Water ID:	1002550023				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	ft				
<u>Hole Diameter</u>					
Hole ID:	1002550019				
Diameter:	5.71				
Depth From:	0				
Depth To:	18				
Hole Depth UOM:	ft				
Hole Diameter UOM:	cm				

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	WNW/45.6	68.2 / -1.12	Ottawa ON	WWIS
Well ID:		7142127		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Monitoring and Test Hole		Date Received:	
Sec. Water Use:		0		Selected Flag:	
Final Well Status:		Monitoring and Test Hole		Abandonment Rec:	
Water Type:				Contractor:	
Casing Material:				Form Version:	
Audit No:		Z100127		Owner:	
Tag:		A091016		Street Name:	
Construction Method:				County:	
Elevation (m):				Municipality:	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:		1002952987		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				East83:	
Code OB Desc:				Org CS:	
Open Hole:				North83:	
Cluster Kind:				UTMRC:	
Date Completed:		24-FEB-10		UTMRC Desc:	
Remarks:				Location Method:	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003157988			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		91			
Other Materials:		WATER-BEARING			
Formation Top Depth:		1.83			
Formation End Depth:		4.88			
Formation End Depth UOM:		m			
Formation ID:		1003157987			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		0			
Formation End Depth:		1.83			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003157998			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003157986			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003157994			
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			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID:		1003157995			
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			
Screen Diameter:		4.21			
<u>Water Details</u>					
Water ID:		1003157993			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003157989			
Diameter:		8.25			
Depth From:		0			
Depth To:		4.88			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>10</u>	1 of 1	SSW/46.0	69.9 / 0.61	ON	BORE
Borehole ID:	805529			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446330.03			Northing::	5028671.19
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	67.4
Total Depth m::	3.7			Primary Name::	BH.2
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	12-JAN-1988			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
<u>--Details--</u>					
Stratum ID:	218585122			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218585123			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218585124			Top Depth(m):	0.2
Bottom Depth(m):	0.9			Stratum Desc:	Brown Fill-Misc Sand - Gravel Trace: Si
Stratum ID:	218585125			Top Depth(m):	0.9
Bottom Depth(m):	3.7			Stratum Desc:	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			Type:	Borehole

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446288.36			Northing::	5028733.95
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	65.8
Total Depth m::	3.7			Primary Name::	BH.6
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	12-JAN-1988			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218585734			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218585735			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218585736			Top Depth(m):	0.2
Bottom Depth(m):	1.1			Stratum Desc:	Brown to Black Compact Fill-Misc Sand With: Si W Gr Trace: Constr Debris
Stratum ID:	218585737			Top Depth(m):	1.1
Bottom Depth(m):	2.2			Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
Stratum ID:	218585738			Top Depth(m):	2.2
Bottom Depth(m):	3.7			Stratum Desc:	Grey Stiff Silty Clay
12	1 of 1	SSE/49.8	69.9 / 0.61	Ottawa Ottawa ON	EHS
Order ID:	135448			Date Received:	4/24/2008
Order No:	20080424023			Lot/Building Size:	
Customer ID:	70548			Municipality:	
Company ID:	50			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	4CAN			Large Radius:	0.25
Report Type:	Custom Report			X:	-75.685183
Report Date:	7/21/2008			Y:	45.4095
Report Requested by:	Golder Associates Ltd.				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
13	1 of 14	NE/50.4	68.9 / -0.39	PRETORIA PET HOSPITAL 16 Pretoria Ave., Ottawa, ON K1S 1W7	GEN
Generator No.:	ON2420300			PO Box 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--					
Waste Code:	261				
Waste Description:	PHARMACEUTICALS				

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		PHOTOPROCESSING WASTES			
13	5 of 14	NE/50.4	68.9 / -0.39	PRETORIA PET HOSPITAL 16 Pretoria Ave., Ottawa, ON K1S 1W7	GEN
Generator No.:	ON2420300			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Maria Blair
MHSW Facility:	No			Phone No. Admin:	613-565-0588 Ext.
SIC Code:	541940				
SIC Description:	VETERINARY SERVICES				
--Details--					
Waste Code:	264				
Waste Description:	PHOTOPROCESSING WASTES				
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
13	6 of 14	NE/50.4	68.9 / -0.39	PRETORIA PET HOSPITAL 16 Pretoria Ave., Ottawa, ON K1S 1W7	GEN
Generator No.:	ON2420300			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	541940				
SIC Description:	Veterinary Services				
--Details--					
Waste Code:	264				
Waste Description:	PHOTOPROCESSING WASTES				
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
13	7 of 14	NE/50.4	68.9 / -0.39	PRETORIA PET HOSPITAL 16 PRETORIA AVENUE OTTAWA ON K1S 1W7	GEN
Generator No.:	ON2420300			PO Box No.:	
Status:				Country:	
Approval Years:	98,99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	0211				
SIC Description:	VETERINARY SERVICE				
--Details--					
Waste Code:	261				
Waste Description:	PHARMACEUTICALS				
Waste Code:	264				
Waste Description:	PHOTOPROCESSING WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
13	8 of 14	NE/50.4	68.9 / -0.39	PRETORIA PET HOSPITAL 16 Pretoria Ave., Ottawa, ON K1S 1W7	GEN
Generator No.:	ON2420300			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Maria Blair
MHSW Facility:	No			Phone No. Admin:	613-565-0588 Ext.
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 16 Pretoria Ave., Ottawa, ON	GEN
Generator No.:	ON2420300			PO Box No.:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
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	GEN
Generator No.:	ON2420300			PO Box No.:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	541940				
SIC Description:	Veterinary Services				
--Details--					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
13	11 of 14	NE/50.4	68.9 / -0.39	PRETORIA PET HOSPITAL 16 Pretoria Ave., Ottawa, ON K1S 1W7	GEN
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:	No			Phone No. Admin:	613-565-0588 Ext.
SIC Code:	541940				
SIC Description:	VETERINARY SERVICES				
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
13	12 of 14	NE/50.4	68.9 / -0.39	Proulx Bros. Inc. 16 Pretoria Ave Unit B Ottawa ON K1S 1W7	SCT
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				
13	13 of 14	NE/50.4	68.9 / -0.39	Power Mount 16 Pretoria Ave Unit B Ottawa ON K1S 1W7	SCT
Established:	1995				
Plant Size (ft²):					
Employment:	3				
--Details--					
Description:	Showcase, Partition, Shelving and Locker Manufacturing				
SIC/NAICS Code:	337215				
13	14 of 14	NE/50.4	68.9 / -0.39	16 Pretoria Ave Ottawa ON	SPL
Ref No:	2252-9CAN2J			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	2013/10/08			Client Type:	
Year:				Sector Type:	Motor Vehicle

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Cause:	Dumping			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:	27			Site Name:	Coolant Spill Site<UNOFFICIAL>
Contaminant Name:	COOLANT N.O.S.			Site Address:	16 Pretoria Ave
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:	0 other - see incident description			Site Region:	
Environment Impact:	Confirmed			Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)			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:	2013/10/08			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:	Watercourse Spills				
Incident Reason:	Deliberate Act				
Incident Summary:	Refrigeration Truck Illegal Dumping				

14	1 of 1	WSW/54.0	69.6 / 0.34	APARTMENT BUILDING 72 PRETORIA AVE, 6 UNIT APARTMENT. FUEL OIL TANK OTTAWA CITY ON K1S 1W9	SPL
Ref No:	154853			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	//			Client Type:	
Year:				Sector Type:	
Incident Cause:	OTHER CONTAINER 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:	POSSIBLE			Site Municipality:	20101
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:	4/22/1998			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:					
Incident Reason:	CORROSION				
Incident Summary:	APARTMENT BUILDING-15L FURNACE OIL TO BASEMENT FLOOR, SOAKED INTO CRACKS				

15	1 of 1	NNE/54.0	66.7 / -2.60	ON	BORE
Borehole ID:	613213			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446381			Northing::	5028802
Location Accuracy::				Orig. Ground Elev m::	66.4
Elev. Reliability Note::				DEM Ground Elev m::	65.6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Total Depth m:: -999 Township:: Lot:: Completion Date:: Primary Water Use::				Primary Name:: Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::	
--Details--					
Stratum ID:	218394161			Top Depth(m): 0.0	
Bottom Depth(m):	1.2			Stratum Desc: FILL.	
Stratum ID:	218394162			Top Depth(m): 1.2	
Bottom Depth(m):	4.6			Stratum Desc: CLAY. GREY,STIFF.	
Stratum ID:	218394163			Top Depth(m): 4.6	
Bottom Depth(m):	17.1			Stratum Desc: CLAY. GREY,STIFF.	
Stratum ID:	218394164			Top Depth(m): 17.1	
Bottom Depth(m):	20.1			Stratum Desc: SILT. LOOSE.	
Stratum ID:	218394165			Top Depth(m): 20.1	
Bottom Depth(m):				Stratum Desc: SILT. FIRM,GRADED. . CLAY. BROWN,GREY,VERY SOFT,FISSURED.CLAY. 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	SPL
Ref No:	59970			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:	
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:	NOT ANTICIPATED			Site Municipality: 20101	
Nature of Impact:	Surface Water Pollution			Site Lot:	
Receiving Medium:	WATER			Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting: WORKS DEPT.	
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	11/20/1991			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:					
Incident Reason:	CORROSION				
Incident Summary:	NORWAY BUS LINES: 130L TRANSMISSION FLUID LEAK TO STORM SEWER CATCHBASIN				
17	1 of 1	NE/68.9	67.3 / -1.97	ON	BORE
Borehole ID:	805669			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status::	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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::				DEM Ground Elev m::	65.2
Total Depth m::	3.7			Primary Name::	BH.2
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	11-JAN-1988			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218585696			Top Depth(m):	0.0
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
Stratum ID:	218585700			Top Depth(m):	3.0
Bottom Depth(m):	3.7			Stratum Desc:	Grey-Brown to Grey Firm Silty Clay

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1 of 1

NW/71.5

68.2 / -1.08

ON

WWIS

Well ID: 7142128
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z100126
Tag: A091017
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: 7
Owner:
Street Name: 64 ISABELLA ST.
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002952989
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 24-FEB-10

Elevation: 65.87
Elevrc:
Zone: 18
East83: 446301
Org CS: UTM83
North83: 5028805
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Remarks:				Location Method:	WWT
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003158161			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		0			
Formation End Depth:		1.83			
Formation End Depth UOM:		m			
Formation ID:		1003158162			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		1.83			
Formation End Depth:		3.66			
Formation End Depth UOM:		m			
Formation ID:		1003158163			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		3.66			
Formation End Depth:		5.79			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003158165			
Layer:		1			
Plug From:		0			
Plug To:		.31			
Plug Depth UOM:		m			
Plug ID:		1003158167			
Layer:		3			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Plug From:</i>		2.44			
<i>Plug To:</i>		5.79			
<i>Plug Depth UOM:</i>		m			
<i>Plug ID:</i>		1003158166			
<i>Layer:</i>		2			
<i>Plug From:</i>		.31			
<i>Plug To:</i>		2.44			
<i>Plug Depth UOM:</i>		m			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		1003158173			
<i>Method Construction Code:</i>		D			
<i>Method Construction:</i>		Direct Push			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		1003158160			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		1003158169			
<i>Layer:</i>		1			
<i>Material:</i>		5			
<i>Open Hole or Material:</i>		PLASTIC			
<i>Depth From:</i>		0			
<i>Depth To:</i>		2.74			
<i>Casing Diameter:</i>		3.45			
<i>Casing Diameter UOM:</i>		cm			
<i>Casing Depth UOM:</i>		m			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1003158170			
<i>Layer:</i>		1			
<i>Slot:</i>		10			
<i>Screen Top Depth:</i>		2.74			
<i>Screen End Depth:</i>		5.79			
<i>Screen Material:</i>		5			
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>		cm			
<i>Screen Diameter:</i>		4.21			
<u>Water Details</u>					
<i>Water ID:</i>		1003158168			
<i>Layer:</i>					
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>					
<i>Water Found Depth UOM:</i>		m			
<u>Hole Diameter</u>					
<i>Hole ID:</i>		1003158164			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		8.25			
Depth From:		0			
Depth To:		5.79			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

19	1 of 1	SSW/79.2	69.9 / 0.61	City of Ottawa 500 Metcalfe St & Strathcona Ave Ottawa ON K1S 3P1	SPL
Ref No:	1786-8VHMMK			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	22-JUN-12			Client Type:	
Year:				Sector Type:	
Incident Cause:				Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:				Site Name:	Catchbasin<UNOFFICIAL>
Contaminant Name:				Site Address:	500 Metcalfe St & Strathcona Ave
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:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:	Sewage - Municipal/Private and Commercial			Site Conc:	
Receiving Env:				Northing:	
Health/Env Conseq:				Easting:	
MOE Response:	No Field Response			Site Geo Ref Accu:	
Dt MOE Arvl on Scr:				Site Geo Ref Meth:	
MOE Reported Dt:	22-JUN-12			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:	Land Spills				
Incident Reason:					
Incident Summary:	Unknown: Approx. 2L turpentine into CB & road; cln				

20	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:	
Customer ID:	83800			Municipality:	
Company ID:	77			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	4CAN			Large Radius:	2
Report Type:	Custom Report			X:	-75.686817
Report Date:	4/16/2012 10:22:13 AM			Y:	45.4102
Report Requested by:	Pinchin Environmental				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					

20	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 ID:	36847			Municipality:	
Company ID:	31985			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	3CAN			Large Radius:	2

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Type: Complete Report Report Date: 6/13/2006 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	Loblaws Properties Limited 64 Isabella St Ottawa ON L6Y 5S5	ECA
Approval No: 6562-99VJBQ Approval Date: 2013-07-30 Status: Approved Record Type: ECA Link Source: IDS 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	EHS
Order ID: 163116 Order No: 20090323034 Customer ID: 77170 Company ID: 97 Status: C Report Code: 3CAN Report Type: Standard Report Report Date: 4/1/2009 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	Loblaws #1095 64 Isabella St. Ottawa ON K1S 1V4	GEN
Generator No.: ON5506049 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 445110 SIC Description: SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES PO Box No.: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:					
--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 Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
21	4 of 11	N/80.2	66.9 / -2.41	Loblaws #1095 64 Isabella St. Ottawa ON K1S 1V4	GEN
Generator No.:	ON5506049			PO Box No.:	
Status:	Registered			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--					
Waste Code:	145 L				
Waste Description:	Wastes from the use of pigments, coatings and paints				
Waste Code:	122 C				
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 I				
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 I				
Waste Description:	Pharmaceuticals				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		145 I			
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 I			
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 I			
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
Generator No.:	ON5506049			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	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	GEN
Generator No.:	ON5506049			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	445110				
SIC Description:	SUPERMARKETS AND OTHER GROCERY (EXCEPT CONVENIENCE) STORES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
			146		
			OTHER SPECIFIED INORGANICS		
			331		
			WASTE COMPRESSED GASES		
			145		
			PAINT/PIGMENT/COATING RESIDUES		
			242		
			HALOGENATED PESTICIDES		
			148		
			INORGANIC LABORATORY CHEMICALS		
			312		
			PATHOLOGICAL WASTES		
			263		
			ORGANIC LABORATORY CHEMICALS		
			212		
			ALIPHATIC SOLVENTS		
			261		
			PHARMACEUTICALS		
			252		
			WASTE OILS & LUBRICANTS		
			262		
			DETERGENTS/SOAPS		
			122		
			ALKALINE WASTES - OTHER METALS		
			112		
			ACID WASTE - HEAVY METALS		
			269		
			NON-HALOGENATED PESTICIDES		

21	7 of 11	N/80.2	66.9 / -2.41	LOBLAWS SUPERMARKETS LTD. 64 ISABELLA STREET OTTAWA ON	GEN
Generator No.:	ON2922783			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice 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	PES
Licence No:	08606			Operator Box:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Detail Licence No: Licence Type Code: 23 Licence Type: Active Limited Vendors Licence Class: 01 Licence Control: 0 Trade Name: Post Office Box: Lot: Concession: Region: District: County:				Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession: Operator Region: 4 Operator District: Operator County: 15 Oper Phone Area Cd: 613 Ext: Oper Phone No: 2324128 Proponent Ext:	

21	9 of 11	N/80.2	66.9 / -2.41	LOBLAWS SUPERMARKETS LTD. #1095 64 ISABELLA ST OTTAWA ON K1S 1V4	PES
Licence No: Detail Licence No: Licence Type Code: 23 Licence Type: Limited Vendor Licence Class: Licence Control: Trade Name: Post Office Box: Lot: Concession: Region: District: County:				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 SUPERMARKETS LTD. #1095 64 ISABELLA ST OTTAWA ON K1S 1V4	PES
Licence No: Detail Licence No: Licence Type Code: Vendor Licence Type: Licence Class: Licence Control: Trade Name: Post Office Box: Lot: Concession: Region: District: County:				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	11 of 11	N/80.2	66.9 / -2.41	LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #095-3 64 ISABELLA STREET OTTAWA ON K1S 1V4	PES
Licence No: Detail Licence No: Licence Type Code: Vendor Licence Type: Licence Class: Licence Control:				Operator Box: Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Trade Name: Post Office Box: Lot: Concession: Region: District: County:				Operator Region: Operator District: Operator County: Oper Phone Area Cd: Ext: Oper Phone No: Proponent Ext:	

22	1 of 1	N/82.4	66.9 / -2.41	Ottawa ON	WWIS
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Well ID: 7142130
Construction Date:
Primary Water Use: Monitoring and Test Hole
Sec. Water Use: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z100125
Tag: A091019
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: 7
Owner:
Street Name: 64 ISABELLA ST.
County: OTTAWA-CARLETON
Municipality: OTTAWA CITY
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1002952993
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 24-JAN-10
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 66.41
Elevrc:
Zone: 18
East83: 446355
Org CS: UTM83
North83: 5028836
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1003158222
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 73

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Formation Top Depth:			0		
Formation End Depth:			1.83		
Formation End Depth UOM:			m		
Formation ID: 1003158224					
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Other Materials:					
Mat3:			85		
Other Materials:					
Formation Top Depth:			3.66		
Formation End Depth:			5.79		
Formation End Depth UOM:			m		
Formation ID: 1003158223					
Layer:			2		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Other Materials:					
Mat3:			85		
Other Materials:					
Formation Top Depth:			1.83		
Formation End Depth:			3.66		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1003158226					
Layer:			1		
Plug From:			0		
Plug To:			.31		
Plug Depth UOM:			m		
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1003158232					
Method Construction Code:			D		
Method Construction:			Direct Push		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID: 1003158221					
Casing No:			0		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID: 1003158228					
Layer:			1		
Material:			5		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.74			
Casing Diameter:		3.45			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003158229			
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			
<u>Water Details</u>					
Water ID:		1003158227			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003158225			
Diameter:		8.25			
Depth From:		0			
Depth To:		5.79			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

23 1 of 1 **W/87.2** **69.8 / 0.52** **ON** **BORE**

Borehole ID:	613205	Type:	Borehole
Use:		Status::	
Drill Method::		UTM Zone::	18
Easting::	446251	Northing::	5028722
Location Accuracy::		Orig. Ground Elev m::	66.8
Elev. Reliability Note::		DEM Ground Elev m::	66.5
Total Depth m::	7.9	Primary Name::	
Township::		Concession::	
Lot::		Municipality:	
Completion Date::	APR-1961	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:	218394131	Top Depth(m):	0.0
Bottom Depth(m):	1.5	Stratum Desc:	ARTIFICIAL.
Stratum ID:	218394132	Top Depth(m):	1.5
Bottom Depth(m):	4.6	Stratum Desc:	CLAY. GREY,STIFF,FISSURED.
Stratum ID:	218394133	Top Depth(m):	4.6
Bottom Depth(m):	7.9	Stratum Desc:	CLAY. GREY,STIFF. 00000 021 00050 062 00150 067

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
					000000800050005GREY,STIFF,FISSURE

24	1 of 1	NNE/90.8	65.1 / -4.19	Ottawa ON	WWIS
Well ID:	7142129			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	3/24/2010
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Monitoring and Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z100124			Owner:	
Tag:	A091018			Street Name:	64 ISABELLA ST.
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Bore Hole Information

Bore Hole ID:	1002952991	Elevation:	65.64
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446393
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5028837
Cluster Kind:		UTMRC:	4
Date Completed:	24-FEB-10	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	1003158204
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1.83
Formation End Depth:	3.1
Formation End Depth UOM:	m
Formation ID:	1003158203

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		1.83			
Formation End Depth UOM:		m			
Formation ID:		1003158205			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		3.1			
Formation End Depth:		4.88			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003158215			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003158202			
Casing No:		0			
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
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			
<u>Construction Record - Screen</u>					
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			
Screen Diameter:		4.21			
<u>Water Details</u>					
Water ID:		1003158210			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
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	PINC
Incident ID:				Health Impact:	
Incident No:	807864			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	
Fuel Occurrence Tp:				Enforce Policy:	Yes
Fuel Type:				Public Relation:	
Tank Status:	RC Established			Pipeline System:	
Task No:	3831489			Depth:	
Spills Action Centre:				Pipe Material:	
Method Details:	E-mail			PSIG:	
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:				Regulator Location:	
Occurrence Start Date:	2012/05/14				
Operation Type:					
Pipeline Type:					
Regulator Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Summary:		214 Queen Elizabeth Drive, Ottawa - 1/2" Pipeline Hit			
Reported By:		Jeff.Stiles@enbridge.com			
Affiliation:					
Occurrence Desc:					
Damage Reason:		No notification made to the one call center			
Notes:					

<u>26</u>	1 of 1	NE/96.5	66.5 / -2.80	ON	BORE
Borehole ID:	805667			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446436.51			Northing::	5028808.18
Location Accuracy::				Orig. Ground Elev m::	-999.9
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):	0.2			Stratum Desc:	Asphalt
Stratum ID:	218585689			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
Bottom Depth(m):	0.4			Stratum Desc:	Concrete
Stratum ID:	218585691			Top Depth(m):	0.4
Bottom Depth(m):	2.9			Stratum Desc:	Grey-Brown Compact to Very Loose Fill-Misc Silt - Sand With: Gr W Brk Frag W Constr Debris
Stratum ID:	218585692			Top Depth(m):	2.9
Bottom Depth(m):	3.0			Stratum Desc:	Brown Very Loose Alluvium sand silt With: Constr Debris
Stratum ID:	218585693			Top Depth(m):	3.0
Bottom Depth(m):	4.3			Stratum Desc:	Grey Firm to Stiff Silty Clay

<u>27</u>	1 of 1	NNE/103.2	65.2 / -4.03	GOLDER ASSOCIATES 5 Pretoria Avenue Ottawa ON	GEN
Generator No.:	ON3452647			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	236210				
SIC Description:	Industrial Building and Structure Construction				

<u>28</u>	1 of 1	NW/106.2	69.6 / 0.38	ON	BORE
Borehole ID:	847458			Type:	Borehole

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446278			Northing::	5028832
Location Accuracy::				Orig. Ground Elev m::	67.4
Elev. Reliability Note::				DEM Ground Elev m::	70
Total Depth m::	1.4			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	11-JUL-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557607			Top Depth(m):	0.0
Bottom Depth(m):	0.5			Stratum Desc:	FILL CINDER SAND GRAVEL
Stratum ID:	6557608			Top Depth(m):	0.5
Bottom Depth(m):	1.1			Stratum Desc:	FILL MOSTLY SAND
Stratum ID:	6557609			Top Depth(m):	1.1
Bottom Depth(m):	1.4			Stratum Desc:	ORGANIC MATERIAL AND SILTY CLAY

[29](#) 1 of 1 NNW/109.5 69.9 / 0.61 ON **BORE**

Borehole ID:	847463			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446310			Northing::	5028852
Location Accuracy::				Orig. Ground Elev m::	67.8
Elev. Reliability Note::				DEM Ground Elev m::	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
Primary Water Use::				Sec. 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):	0.6
Bottom Depth(m):	0.9			Stratum Desc:	FILL MOSTLY SAND AND SOME GRAVEL
Stratum ID:	6557626			Top Depth(m):	0.9
Bottom Depth(m):	1.4			Stratum Desc:	FILL SAND, GRAVEL, CLAY AND SILT
Stratum ID:	6557627			Top Depth(m):	1.4
Bottom Depth(m):	1.7			Stratum Desc:	FILL, SILTY CLAY
Stratum ID:	6557628			Top Depth(m):	1.7
Bottom Depth(m):	2.4			Stratum Desc:	FILL MIXTURE SAND SILT AND CLAY
Stratum ID:	6557629			Top Depth(m):	2.4
Bottom Depth(m):	2.7			Stratum Desc:	CLAY

[30](#) 1 of 1 W/123.2 70.2 / 0.92 480 Metcalfe Street And 100 Isabella Street Ottawa ON **EHS**

Order ID:	424010			Date Received:	01-SEP-15
Order No:	20150901005			Lot/Building Size:	
Customer ID:	135488			Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Company ID:	77			Client Prov/State:	ON
Status:	C			Search Radius (km):	.25
Report Code:	4CAN			Large Radius:	.3
Report Type:	Custom Report			X:	-75.68736
Report Date:	04-SEP-15			Y:	45.410284
Report Requested by:	Pinchin Ltd				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					

<u>31</u>	1 of 1	N/124.0	67.5 / -1.73	ON	BORE
Borehole ID:	847459			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446348			Northing::	5028877
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::	LOT F			Municipality:	
Completion Date::	11-JUL-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557611			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	FILL CINDERS SAND AND GRAVEL
Stratum ID:	6557612			Top Depth(m):	0.3
Bottom Depth(m):	0.5			Stratum Desc:	FILL GRAVEL AND SAND
Stratum ID:	6557613			Top Depth(m):	0.5
Bottom Depth(m):	0.6			Stratum Desc:	ORGANIC MATERIAL
Stratum ID:	6557614			Top Depth(m):	0.6
Bottom Depth(m):	1.6			Stratum Desc:	FINE SILTY SAND AND CLAY

<u>32</u>	1 of 1	NNW/127.8	69.9 / 0.61	ON	BORE
Borehole ID:	847468			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Power auger			UTM Zone::	18
Easting::	446284			Northing::	5028859
Location Accuracy::				Orig. Ground Elev m::	68.1
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:	
Completion Date::	15-AUG-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557643			Top Depth(m):	0.0
Bottom Depth(m):	0.6			Stratum Desc:	FILL SAND WITH A LITTLE GRAVEL AND A FEW LAYERS OF CINDERS
Stratum ID:	6557644			Top Depth(m):	0.6
Bottom Depth(m):	0.9			Stratum Desc:	FILL CLAY , SAND, SILT AND ORGANIC MATERIAL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:	6557645			Top Depth(m):	0.9
Bottom Depth(m):	1.2			Stratum Desc:	CLAY AND SILT
Stratum ID:	6557646			Top Depth(m):	1.2
Bottom Depth(m):	1.5			Stratum Desc:	CLAY
<hr/>					
33	1 of 1	NNW/130.1	69.6 / 0.37	ON	BORE
Borehole ID:	847469			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Power auger			UTM Zone::	18
Easting::	446316			Northing::	5028877
Location Accuracy::				Orig. Ground Elev m::	68
Elev. Reliability Note::				DEM Ground Elev m::	73.2
Total Depth m::	2.1			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	15-AUG-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557647			Top Depth(m):	0.0
Bottom Depth(m):	0.8			Stratum Desc:	FILL SAND WITH A LITTLE GRAVEL AND A FEW CINDER LAYERS
Stratum ID:	6557648			Top Depth(m):	0.8
Bottom Depth(m):	1.4			Stratum Desc:	FILL SILTY SAND WITH A LITTLE CLAY
Stratum ID:	6557649			Top Depth(m):	1.4
Bottom Depth(m):	1.5			Stratum Desc:	ORGANIC MATERIAL
Stratum ID:	6557650			Top Depth(m):	1.5
Bottom Depth(m):	2.1			Stratum Desc:	CLAYEY SILT
<hr/>					
34	1 of 1	WNW/130.8	69.8 / 0.54	ON	BORE
Borehole ID:	847456			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446224			Northing::	5028810
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::	LOT F			Municipality:	
Completion Date::	10-JUL-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557600			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	FILL CINDERS SAND GRAVEL
Stratum ID:	6557601			Top Depth(m):	0.3
Bottom Depth(m):	0.6			Stratum Desc:	FILL SILTY SAND CINDERS AND GRAVEL
Stratum ID:	6557602			Top Depth(m):	0.6
Bottom Depth(m):	1.0			Stratum Desc:	FILL SILTY SAND

Map Key	Number of Records	Direction/Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:		6557603		Top Depth(m):	1.0
Bottom Depth(m):		1.2		Stratum Desc:	ORGANIC MATERIAL AND CLAY
<u>35</u>	1 of 3	W/134.0	71.1 / 1.79	FRONTIER, (OUT OF BUS) 92 ISABELLA STREET OTTAWA ON K1S 1V5	48-024 GEN
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				
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 Description:	WASTE COMPRESSED GASES				
<u>35</u>	2 of 3	W/134.0	71.1 / 1.79	FRONTIER, DIV. OF WESTBURNE 92 ISABELLA STREET OTTAWA ON K1S 1V5	48-024 GEN
Generator No.:	ONC000509			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 Description:	WASTE COMPRESSED GASES				
<u>35</u>	3 of 3	W/134.0	71.1 / 1.79	FRONTIER, DIV. OF WESTBURNE INDUSTRIAL ENTERPRISES LTD. 92 ISABELLA STREET OTTAWA ON K1S 1V5	48-024 GEN
Generator No.:	ONC000509			PO Box No.:	
Status:				Country:	
Approval Years:	90			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	5622				
SIC Description:	PLUMBING, ETC., WH.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
36	1 of 2	NW/135.8	69.9 / 0.61	DRAIN-ALL LTD HWY 417 EAST, AT METCALFE TRANSPORT TRUCK (CARGO) OTTAWA CITY ON	SPL
Ref No:	99198			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	4/27/1994			Client Type:	
Year:				Sector Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT			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:	NOT ANTICIPATED			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:	4/27/1994			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:					
Incident Reason:	ERROR				
Incident Summary:	DRAIN-ALL VAN - 23 L GAS-OLINE TO HWY, CONTAINED ERP CALLED FOR E.G. #				
36	2 of 2	NW/135.8	69.9 / 0.61	Highway 417 @ Metcalfe St. Ottawa ON	SPL
Ref No:	8030-7TQ6U8			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Client Type:	
Year:				Sector Type:	
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 Freq 1:				Site County/District:	
Contaminant UN No 1:				Site Postal Code:	
Contaminant Qty:				Site Region:	
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:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MOE Reported Dt: 7/6/2009 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		Site Map Datum:			
37	1 of 1	NW/141.4	70.1 / 0.81	ON	BORE
Borehole ID:	847399			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Diamond Drill			UTM Zone::	18
Easting::	446224			Northing::	5028829
Location Accuracy::				Orig. Ground Elev m::	68.2
Elev. Reliability Note::				DEM Ground Elev m::	73.5
Total Depth m::	36.1			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	07-DEC-1959			Static Water Level::	6.4
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557296			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	FILL
Stratum ID:	6557297			Top Depth(m):	1.5
Bottom Depth(m):	1.7			Stratum Desc:	FINE SAND VERY LOOSE
Stratum ID:	6557298			Top Depth(m):	1.7
Bottom Depth(m):	3.0			Stratum Desc:	CLAYEY SILT BROWNISH GREY FISSURED, VERY STIFF, HIGH PLASTICITY (MH)
Stratum ID:	6557299			Top Depth(m):	3.0
Bottom Depth(m):	4.6			Stratum Desc:	CLAY, BROWNISH GREY FISSURED STIFF HIGH PLASTICITY (CH)
Stratum ID:	6557300			Top Depth(m):	4.6
Bottom Depth(m):	12.2			Stratum Desc:	CLAY GREY STIFF HIGH PLASTICITY (CH)
Stratum ID:	6557301			Top Depth(m):	12.2
Bottom Depth(m):	15.2			Stratum Desc:	SILT WITH SOME CLAY AND A LITTLE FINE SAND, GREY MEDIUM SOFT, LOW PLASTICITY (ML)
Stratum ID:	6557302			Top Depth(m):	15.2
Bottom Depth(m):	18.7			Stratum Desc:	CLAY, GREY, MEDIUM SOFT LOW PLASTICITY (CL)
Stratum ID:	6557303			Top Depth(m):	18.7
Bottom Depth(m):	20.7			Stratum Desc:	SILT AND CLAY IN 1/2in. LAYERS, GREY MEDIUM SOFT (ML&CL IN LAYERS)
Stratum ID:	6557304			Top Depth(m):	20.7
Bottom Depth(m):	24.4			Stratum Desc:	SANDY SILT WITH SOME CLAY, LOW PLASTICITY, VERY LOOSE (ML)
Stratum ID:	6557305			Top Depth(m):	24.4
Bottom Depth(m):	30.2			Stratum Desc:	SILT WITH SOME FINE SAND AND A TRACE OF COARSE SAND MEDIUM DENSE
Stratum ID:	6557306			Top Depth(m):	30.2
Bottom Depth(m):	30.8			Stratum Desc:	TILL, LOOSE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:	6557307			Top Depth(m):	30.8
Bottom Depth(m):	31.8			Stratum Desc:	TILL, MEDIUM DENSE
Stratum ID:	6557308			Top Depth(m):	31.8
Bottom Depth(m):	33.5			Stratum Desc:	SHALE, CORE RECOVERY INDEFINITE BUT GREATER THAN 59%
Stratum ID:	6557309			Top Depth(m):	33.5
Bottom Depth(m):	34.5			Stratum Desc:	SHALE, CORE RECOVERY 90%
Stratum ID:	6557310			Top Depth(m):	34.5
Bottom Depth(m):	36.1			Stratum Desc:	SHALE, CORE RECOVERY 93%

[38](#) 1 of 1 NW/145.7 69.9 / 0.61 ON **BORE**

Borehole ID:	847462	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned
Drill Method::	Hand auger	UTM Zone::	18
Easting::	446261	Northing::	5028867
Location Accuracy::		Orig. Ground Elev m::	68.2
Elev. Reliability Note::		DEM Ground Elev m::	73.3
Total Depth m::	1.1	Primary Name::	
Township::	NEPEAN	Concession::	BROKEN FRONT C
Lot::	LOT F	Municipality:	
Completion Date::	12-JUL-1961	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:	6557621	Top Depth(m):	0.0
Bottom Depth(m):	0.5	Stratum Desc:	FILL SAND GRAVEL CINDERS
Stratum ID:	6557622	Top Depth(m):	0.5
Bottom Depth(m):	0.8	Stratum Desc:	FILL SAND AND SILT
Stratum ID:	6557623	Top Depth(m):	0.8
Bottom Depth(m):	1.1	Stratum Desc:	CLAY

[39](#) 1 of 1 NNW/146.2 70.2 / 0.92 ON **BORE**

Borehole ID:	847464	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned
Drill Method::	Hand auger	UTM Zone::	18
Easting::	446292	Northing::	5028885
Location Accuracy::		Orig. Ground Elev m::	68.2
Elev. Reliability Note::		DEM Ground Elev m::	73.2
Total Depth m::	1.3	Primary Name::	
Township::	NEPEAN	Concession::	BROKEN FRONT C
Lot::	LOT F	Municipality:	
Completion Date::	12-JUL-1961	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:	6557630	Top Depth(m):	0.0
Bottom Depth(m):	0.3	Stratum Desc:	FILL, SAND GRAVEL CINDERS
Stratum ID:	6557631	Top Depth(m):	0.3
Bottom Depth(m):	0.6	Stratum Desc:	FILL SAND AND GRAVEL
Stratum ID:	6557632	Top Depth(m):	0.6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	0.7			Stratum Desc:	SILTY CLAY FILL
Stratum ID:	6557633			Top Depth(m):	0.7
Bottom Depth(m):	1.0			Stratum Desc:	ORGANIC MATERIAL
Stratum ID:	6557634			Top Depth(m):	1.0
Bottom Depth(m):	1.3			Stratum Desc:	SILTY SAND AND CLAY

40 1 of 1 **NNE/147.2** **65.5 / -3.73** **ON** **BORE**

Borehole ID:	847430			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Diamond Drill			UTM Zone::	18
Easting::	446394			Northing::	5028896
Location Accuracy::				Orig. Ground Elev m::	67.6
Elev. Reliability Note::				DEM Ground Elev m::	70.8
Total Depth m::	43.1			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	02-MAR-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557485			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	LOOSE TO COMPACT FILL SANDY TOPSOIL
Stratum ID:	6557486			Top Depth(m):	1.5
Bottom Depth(m):	11.3			Stratum Desc:	STIFF GREY CLAY SOME SILT TRACE FINE SAND
Stratum ID:	6557487			Top Depth(m):	11.3
Bottom Depth(m):	20.9			Stratum Desc:	STIFF GREY SILTY CLAY, SOME FINE SAND OCCASIONAL POCKETS OF ORGANIC MATERIAL
Stratum ID:	6557488			Top Depth(m):	20.9
Bottom Depth(m):	39.6			Stratum Desc:	COMPACT TO DENSE GREY SILT SOME FINE SAND TRACE CLAY
Stratum ID:	6557489			Top Depth(m):	39.6
Bottom Depth(m):	40.7			Stratum Desc:	VERY DENSE BROWN SANDY TILL
Stratum ID:	6557490			Top Depth(m):	40.7
Bottom Depth(m):	43.1			Stratum Desc:	DARK GREY SHALE BEDROCK

41 1 of 1 **NNE/147.8** **64.4 / -4.83** **City of Ottawa
Elgin St Isabella Street
Ottawa ON K2G 6J8** **ECA**

Approval No:	6595-99MKMF			SWP Area Name:	
Approval Date:	2013-08-29			MOE District:	
Status:	Approved			City:	Ottawa
Record Type:	ECA			Longitude:	
Link Source:	IDS			Latitude:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
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				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	1 of 4	W/148.2	71.1 / 1.79	The Palisades Club Inc. 100 Isabella Street Ottawa ON	CA
<p> Certificate #: 4569-6ERK3T Application Year: 2005 Issue Date: 7/29/2005 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: </p>					
42	2 of 4	W/148.2	71.1 / 1.79	The Palisades Club Inc. 100 Isabella St Ottawa ON M3B 3N2	ECA
<p> Approval No: 4569-6ERK3T Approval Date: 2005-07-29 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: 100 Isabella St Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7497-6DBKJZ-14.pdf </p> <p> SWP Area Name: MOE District: City: Ottawa Longitude: Latitude: </p>					
42	3 of 4	W/148.2	71.1 / 1.79	The Palisades Club Inc. 100 ISABELLA ST, OTTAWA, ON, K1S 1V5 Ottawa ON K1S 1V5	RSC
<p> Reg No: 1916 RA No: RSC Type: Curr Property Use: Residential District Office: OTTAWA Date Submitted: 22-Nov-05 Date Ack: Date Returned: Restoration Type: Soil Type: Criteria: CPU Issued Sect 1686: No Asmt Roll No: 0614052-301 Prop. ID No: 04123-0126LT (created Dec. 23/04 as division from 04123-0085), 04123-0084LT, 04123-0083LT, 04123-0082LT Property Municipal Address: 100 ISABELLA ST, OTTAWA, ON, K1S 1V5 Mailing Address: Suite 12, 156 DUNCAN MILL RD, TORONTO, ON, M3B 3N2 Latitude & Longitude: 45.41002850N 75.68768350W (converted from UTM) UTM Coordinates: NAD83 18-446188-5028731 Consultant: Filing Owner: Legal Desc: Lots 33 to 38 (Both Inclusive) Registered Plan 35403 City of Ottawa Measurement Method: Global Positioning System Applicable Standards: Full Depth Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for </p> <p> Cert Date: 31-Oct-05 Cert Prop Use No: No CPU Intended Prop Use: Residential Nm of Qual. Person: Mr. Gary Maister Stratified (Y/N): Audit (Y/N): Entire Leg Prop. (Y/N): Yes Accuracy Estimate: 0 to 1 meters Telephone: 416-9151839 Fax: 905-2483061 Email: gary@rosecorp.com </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Residential/Parkland/Institutional property use					
RSC PDF:					
42	4 of 4	W/148.2	71.1 / 1.79	100 Isabella St Ottawa ON K1S 1V5	SPL
Ref No:	4083-85K4UM			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Client Type:	
Year:				Sector Type:	
Incident Cause:				Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:	13			Site Name:	Roadway<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:	
Contaminant Qty:				Site Region:	
Environment Impact:				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:	
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:					
SAC Action Class:	Land Spills				
Incident Reason:					
Incident Summary:	Diesel to road, CB from crane, cleaned				
43	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
Ref No:	156676			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/10/1998			Client Type:	
Year:				Sector Type:	
Incident Cause:	OTHER CAUSE (N.O.S.)			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:	NOT ANTICIPATED			Site Municipality:	20105
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:	6/10/1998			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:	EQUIPMENT FAILURE				
Incident Reason:					
Incident Summary:	DRAIN-ALL: 8L WATER- BASED PAINT SPILLED TO ROAD.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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44	1 of 1	WNW/156.4	70.5 / 1.27	ON	BORE
Borehole ID:	847467	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned		
Drill Method::	Power auger	UTM Zone::	18		
Easting::	446194	Northing::	5028810		
Location Accuracy::		Orig. Ground Elev m::	68.1		
Elev. Reliability Note::		DEM Ground Elev m::	73.9		
Total Depth m::	2.3	Primary Name::			
Township::	NEPEAN	Concession::	BROKEN FRONT C		
Lot::	LOT F	Municipality:			
Completion Date::	15-AUG-1961	Static Water Level::	-999.9		
Primary Water Use::		Sec. Water Use::			
--Details--					
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:	847452	Type:	Borehole		
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned		
Drill Method::	Hand auger	UTM Zone::	18		
Easting::	446183	Northing::	5028791		
Location Accuracy::		Orig. Ground Elev m::	67.1		
Elev. Reliability Note::		DEM Ground Elev m::	72.5		
Total Depth m::	1.5	Primary Name::			
Township::	NEPEAN	Concession::	BROKEN FRONT C		
Lot::	LOT F	Municipality:			
Completion Date::	06-JUL-1961	Static Water Level::	-999.9		
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID:	6557582	Top Depth(m):	0.3		
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		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
Total Depth m::	1.5			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
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 Investigation			Status::	Decommissioned
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446328			Northing::	5028917
Location Accuracy::				Orig. Ground Elev m::	68.1
Elev. Reliability Note::				DEM Ground Elev m::	71.7
Total Depth m::	1.3			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
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**

Borehole ID:	613220			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446231			Northing::	5028882
Location Accuracy::				Orig. Ground Elev m::	71
Elev. Reliability Note::				DEM Ground Elev m::	68.5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	-999			Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	
	SEP-1933			-999.9	
--Details-- Stratum ID: Bottom Depth(m):	218394189			Top Depth(m): Stratum Desc:	12.5 SAND,SILT. LOOSE. ROCK. . CLAY. BROWN,GREY,VERY SOFT,FISSURED.CLAY. BROWN,GREY,STI
Stratum ID: Bottom Depth(m):	218394186			Top Depth(m): Stratum Desc:	0.0 FILL.
Stratum ID: Bottom Depth(m):	218394187			Top Depth(m): Stratum Desc:	0.6 CLAY. GREY,COMPACT.
Stratum ID: Bottom Depth(m):	218394188			Top Depth(m): Stratum Desc:	6.1 CLAY. BLUE,FIRM.

49	1 of 1	W/177.0	72.5 / 3.18	Sterling Marking Products Inc. 112 Isabella St Ottawa ON K1S 1V5	SCT
Established: Plant Size (ft²): Employment:	1942 4				
--Details-- Description: SIC/NAICS Code:	Stationery and Office Supplies Wholesaler-Distributors 418210				
Description: SIC/NAICS Code:	Chemical (except Agricultural) and Allied Product Wholesaler-Distributors 418410				
Description: SIC/NAICS Code:	All Other Wholesaler-Distributors 418990				

50	1 of 1	NNW/179.6	70.1 / 0.85	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	847461 Geotechnical/Geological Investigation Hand auger 446267 1.5 NEPEAN LOT F 12-JUL-1961			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 5028909 68.2 68.6 BROKEN FRONT C -999.9
--Details-- Stratum ID: Bottom Depth(m):	6557618 0.6			Top Depth(m): Stratum Desc:	0.0 FILL SAND GRAVEL CINDERS
Stratum ID: Bottom Depth(m):	6557619 1.0			Top Depth(m): Stratum Desc:	0.6 FILL SAND AND GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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	BORE
Borehole ID:	801007			Type:	Borehole
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
Total Depth m::	5.6			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
Stratum ID:	218566368			Top Depth(m):	1.9
Bottom Depth(m):	5.2			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
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:	847457			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Hand auger			UTM Zone::	18
Easting::	446169			Northing::	5028818
Location Accuracy::				Orig. Ground Elev m::	68.3
Elev. Reliability Note::				DEM Ground Elev m::	73.8
Total Depth m::	1.8			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
53	1 of 1	W/185.4	72.9 / 3.68	114 Isabella St Ottawa ON K1S1V5	EHS
Order ID:	244048			Date Received:	21-MAY-13
Order No:	20130521010			Lot/Building Size:	3670 sq feet
Customer ID:	98527			Municipality:	Ottawa
Company ID:	49465			Client Prov/State:	ON
Status:	C			Search Radius (km):	.25
Report Code:	3CAN			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:					
Previous Site Name:					
Additional Info Ordered:					
54	1 of 1	WNW/186.0	71.8 / 2.58	ON	BORE
Borehole ID:	847466			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Power auger			UTM Zone::	18
Easting::	446155			Northing::	5028787
Location Accuracy::				Orig. Ground Elev m::	68.1
Elev. Reliability Note::				DEM Ground Elev m::	74.2
Total Depth m::	1.5			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	15-AUG-1961			Static 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 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	HINC
External File Num:	FS INC 0707-03731				
Date 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::	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::	Gaseous Fuel				
Occurrence Type::	Incident				
Affiliation::	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
County Name::	Ottawa				
Approx. Quant. Rel::					
Nearby body of water::					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Enter Drainage Syst.:
 Approx. Quant. Unit.:
 Environmental Impact:.

<u>56</u>	1 of 1	NE/188.7	60.9 / -8.39	ON	BORE
Borehole ID:	801582			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method:	Boring			UTM Zone:	18
Easting:	446504.86			Northing:	5028870.9
Location Accuracy:				Orig. Ground Elev m:	65.1
Elev. Reliability Note:				DEM Ground Elev m:	66.2
Total Depth m:	35.3			Primary Name:	BH 4
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	08-MAR-1977			Static Water Level:	6.3
Primary Water Use:				Sec. Water Use:	

--Details--

Stratum ID:	218568704	Top Depth(m):	0.0
Bottom Depth(m):	1.6	Stratum Desc:	Dark Brown Loose Fill-Misc sand silt Trace: Gr 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):	2.1
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):	8.2
Bottom Depth(m):	12.8	Stratum Desc:	Grey Stiff Silty Clay Trace: Org M
Stratum ID:	218568709	Top Depth(m):	12.8
Bottom Depth(m):	17.2	Stratum Desc:	Grey Stiff Silty Clay
Stratum ID:	218568710	Top Depth(m):	17.2
Bottom Depth(m):	30.5	Stratum Desc:	Grey Loose to Dense sand silt With: Cl Trace: Gr
Stratum ID:	218568711	Top Depth(m):	30.5
Bottom Depth(m):	32.2	Stratum Desc:	Grey Till sand silt With: Gr W Cob
Stratum ID:	218568712	Top Depth(m):	32.2
Bottom Depth(m):	35.3	Stratum Desc:	Black Bedrock Shale

<u>57</u>	1 of 1	N/190.5	66.1 / -3.16	ON	BORE
Borehole ID:	847429			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Diamond Drill			UTM Zone:	18
Easting:	446392			Northing:	5028941
Location Accuracy:				Orig. Ground Elev m:	67.8
Elev. Reliability Note:				DEM Ground Elev m:	71.3
Total Depth m:	41.1			Primary Name:	
Township:	NEPEAN			Concession:	BROKEN FRONT C
Lot:	LOT F			Municipality:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Completion Date::	02-MAR-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557480			Top Depth(m):	0.0
Bottom Depth(m):	12.2			Stratum Desc:	STIFF BROWN TO GREY CLAY SOME SILT TRACE FIN SAND
Stratum ID:	6557481			Top Depth(m):	12.2
Bottom Depth(m):	21.0			Stratum Desc:	STIFF GREY SILTY CLAY SOME FINE SAND OCCASIONAL POCKETS OF ORGANIC MATERIAL
Stratum ID:	6557482			Top Depth(m):	21.0
Bottom Depth(m):	37.9			Stratum Desc:	COMPACT TO VERY DENSE GREY SILT SOME FINE SAND TRACE CLAY
Stratum ID:	6557483			Top Depth(m):	37.9
Bottom Depth(m):	38.3			Stratum Desc:	VERY DENSE BROWN SANDY TILL
Stratum ID:	6557484			Top Depth(m):	38.3
Bottom Depth(m):	41.1			Stratum Desc:	DARK GREY SHALE BEDROCK

[58](#) 1 of 1 SSE/190.6 67.8 / -1.48 ANDREW PAKUTS 20 MONKLAND AVE OTTAWA ON K1S 1Y9 GEN

Generator No.: ON4937072 **PO Box No.:**
Status: **Country:**
Approval Years: 2011 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No. Admin:**
SIC Code: 236110
SIC Description:

[59](#) 1 of 1 W/193.6 71.8 / 2.58 ON BORE

Borehole ID: 847455 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::** Decommissioned
Drill Method:: Hand auger **UTM Zone::** 18
Easting:: 446144 **Northing::** 5028767
Location Accuracy:: **Orig. Ground Elev m::** 67.3
Elev. Reliability Note:: **DEM Ground Elev m::** 72.8
Total Depth m:: 1.5 **Primary Name::**
Township:: NEPEAN **Concession::** BROKEN FRONT C
Lot:: LOT F **Municipality:**
Completion Date:: 07-JUL-1961 **Static Water Level::** -999.9
Primary Water Use:: **Sec. Water Use::**

--Details--

Stratum ID: 6557595 **Top Depth(m):** 0.0
Bottom Depth(m): 0.5 **Stratum Desc:** FILL GRAVEL, SAND, CINDERS, RUBBISH

Stratum ID: 6557596 **Top Depth(m):** 0.5
Bottom Depth(m): 0.9 **Stratum Desc:** FILL, GRAVELLY SAND

Stratum ID: 6557597 **Top Depth(m):** 0.9
Bottom Depth(m): 1.0 **Stratum Desc:** CINDERS

Stratum ID: 6557598 **Top Depth(m):** 1.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	1.5			Stratum Desc:	ORGANIC MATERIAL AND SILTY CLAY
60	1 of 1	NNE/196.9	63.8 / -5.44	ON	BORE
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::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	11-FEB-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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 auger			UTM Zone::	18
Easting::	446207.46			Northing::	5028905.94
Location Accuracy::				Orig. Ground Elev m::	68.8
Elev. Reliability Note::				DEM Ground Elev m::	68.3
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::	
--Details--					
Stratum ID:	218588158			Top Depth(m):	0.0
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 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
Stratum ID:	218588162			Top Depth(m):	11.0
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: Cl Trace: F Sa
63	1 of 1	W/209.7	73.3 / 4.04	Tam Ho 120 ISABELLA ST OTTAWA ON K1S 1V5	EASR
Approval No:	R-001-4591995227			SWP Area Name:	Rideau Valley
Status:	REGISTERED			MOE District:	Ottawa
Date:	2016-05-02			City:	OTTAWA
Record Type:	EASR			Latitude:	45.40972222
Link Source:	MOFA			Longitude:	-75.68861111
Full Address:					
Project Type:	Automotive Refinishing Facility				
Approval Type:	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elev. Reliability Note::				DEM Ground Elev m::	61.8
Total Depth m::				Primary Name::	BH 1
Township::				Concession::	
Lot::				Municipality:	
Completion Date::				Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:				Top Depth(m):	0.0
Bottom Depth(m):				Stratum Desc:	Ice
Stratum ID:				Top Depth(m):	0.5
Bottom Depth(m):				Stratum Desc:	Water
Stratum ID:				Top Depth(m):	1.7
Bottom Depth(m):				Stratum Desc:	Dark Grey Very Soft Silt With: Org M
Stratum ID:				Top Depth(m):	3.4
Bottom Depth(m):				Stratum Desc:	Grey Stiff Silty Clay

65 1 of 1 **NNE/211.9** **61.7 / -7.61** **ON** **BORE**

Borehole ID:	847432	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned
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::	72
Total Depth m::	36.6	Primary Name::	
Township::	NEPEAN	Concession::	BROKEN FRONT C
Lot::	LOT F	Municipality:	
Completion Date::	02-FEB-1961	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:		Top Depth(m):	0.0
Bottom Depth(m):		Stratum Desc:	STIFF GREY TO GREY-BROWN CLAY, SILTY FINE SAND
Stratum ID:		Top Depth(m):	7.5
Bottom Depth(m):		Stratum Desc:	STIFF GREY SILTY CLAY SOME FINE SAND
Stratum ID:		Top Depth(m):	16.8
Bottom Depth(m):		Stratum Desc:	COMPACT GREY SILT SOME FINE SAND TRACE OF CLAY
Stratum ID:		Top Depth(m):	31.5
Bottom Depth(m):		Stratum Desc:	SANDY TILL
Stratum ID:		Top Depth(m):	32.8
Bottom Depth(m):		Stratum Desc:	BEDROCK

66 1 of 1 **WNW/212.4** **71.7 / 2.46** **ON** **BORE**

Borehole ID:	847454	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned
Drill Method::	Hand auger	UTM Zone::	18
Easting::	446130	Northing::	5028794
Location Accuracy::		Orig. Ground Elev m::	68.3

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elev. Reliability Note::				DEM Ground Elev m::	73.9
Total Depth m::	1.4			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	07-JUL-1961			Static Water Level::	-999.9
Primary 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)

67	1 of 1	NW/213.8	70.9 / 1.61	OTTAWA ON	WWIS
Well ID:	7044390			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	6/4/2007
Sec. 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
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	11766807			Elevation:	68.88
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:	x			East83:	446180
Code OB Desc:	Unknown type in the lower layers(s)			Org CS:	UTM83
Open Hole:				North83:	5028889
Cluster 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:					
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:			933102769		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			1.9		
Formation End Depth:			3.9		
Formation End Depth UOM:			m		
Formation ID:			933102767		
Layer:			1		
Color:			6		
General Color:			BROWN		
Mat1:			01		
Most Common Material:			FILL		
Mat2:			05		
Other Materials:			CLAY		
Mat3:			01		
Other Materials:			FILL		
Formation Top Depth:			0		
Formation End Depth:			1.3		
Formation End Depth UOM:			m		
Formation ID:			933102770		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:					
Most Common Material:					
Mat2:			84		
Other Materials:			SILTY		
Mat3:					
Other Materials:					
Formation Top Depth:			3.9		
Formation End Depth:			4.5		
Formation End Depth UOM:			m		
Formation ID:			933102768		
Layer:			2		
Color:			2		
General Color:			GREY		
Mat1:			01		
Most Common Material:			FILL		
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:			1.3		
Formation End Depth:			1.9		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:			933320109		
Layer:			1		
Plug From:			.5		
Plug To:			1.3		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 967044390
 Method Construction Code: A
 Method Construction: Digging
 Other Method Construction:

Pipe Information

Pipe ID: 11774497
 Casing No: 1
 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 Diameter UOM: cm
 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

68	1 of 1	NW/214.0	70.9 / 1.61	City of Ottawa 105 Catherine Street Ottawa ON	CA
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Certificate #: 0761-5WHMAE
 Application Year: 2004
 Issue Date: 3/8/2004
 Approval Type: Industrial Sewage Works
 Status: Approved
 Application Type:
 Client Name::

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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::	4.6
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: Cl 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
Stratum ID:	218568698			Top Depth(m):	31.0
Bottom Depth(m):	34.4			Stratum Desc:	Black Bedrock Shale

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
70	1 of 1	W/215.7	72.6 / 3.30	ON	BORE
Borehole ID:	847465			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Power auger			UTM Zone::	18
Easting::	446121			Northing::	5028764
Location Accuracy::				Orig. Ground Elev m::	68.2
Elev. Reliability Note::				DEM Ground Elev m::	73.6
Total Depth m::	1.7			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	15-AUG-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
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
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 OTTAWA ON	WWIS
Well ID:	7292768			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	8/17/2017
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			Owner:	
Tag:	A203626			Street Name:	CATHERINE STREET/METCALFE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation 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):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1006712580			Elevation:	69.85
DP2BR:				Elevrc:	
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:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1006836680			
Layer:		1			
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:		85			
Other Materials:		SOFT			
Formation Top Depth:		2			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1006836687			
Layer:		1			
Plug From:		0			
Plug To:		12			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1006836686			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		AUGERING			
<u>Pipe Information</u>					
Pipe ID:		1006836679			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1006836684			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	1				
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:	-3				
Depth To:	13				
Casing Diameter:	2				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
Screen ID:	1006836685				
Layer:	1				
Slot:	10				
Screen Top Depth:	13				
Screen End Depth:	18				
Screen Material:	5				
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	2.5				
<u>Water Details</u>					
Water ID:	1006836683				
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	ft				
<u>Hole Diameter</u>					
Hole ID:	1006836682				
Diameter:	10				
Depth From:	0				
Depth To:	18				
Hole Depth UOM:	ft				
Hole Diameter UOM:	inch				

<u>72</u>	1 of 1	N/220.2	69.8 / 0.56	ON	BORE
Borehole ID:	613229			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446331			Northing::	5028972
Location Accuracy::				Orig. Ground Elev m::	68.8
Elev. Reliability Note::				DEM Ground Elev m::	67.9
Total Depth m::	23.5			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	OCT-1972			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218394236			Top Depth(m):	0.0
Bottom Depth(m):	1.8			Stratum Desc:	ARTIFICIAL. DARK,BROWN,COMPACT.
Stratum ID:	218394237			Top Depth(m):	1.8
Bottom Depth(m):	4.6			Stratum Desc:	CLAY. BROWN,HARD,STIFF,DESSICATED.
Stratum ID:	218394238			Top Depth(m):	4.6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	14.9			Stratum Desc:	CLAY. GREY,STIFF,FIRM.
Stratum ID:	218394239			Top Depth(m):	14.9
Bottom Depth(m):	22.4			Stratum Desc:	CLAY. GREY,STIFF.
Stratum ID:	218394240			Top Depth(m):	22.4
Bottom Depth(m):	23.5			Stratum Desc:	SILT. GREY,COMPACT. 00000017000600130015000300490003007350 16SE. SILT. GREY,DENSE TO VERY DENS
73	1 of 1	WNW/220.3	71.2 / 1.92	CENTRETOWN CITIZENS OTTAWA CORPORATION 111 CATHERINE STREET OTTAWA ON K2P 0P4	EASR
Approval No:	R-002-1000000433			SWP Area Name:	
Status:	REGISTERED			MOE District:	
Date:	2012-01-26			City:	OTTAWA
Record Type:	EASR			Latitude:	
Link Source:	MOFA			Longitude:	
Full Address:					
Project Type:	Standby Power System				
Approval Type:	EASR-Standby Power System				
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=643				
74	1 of 1	S/220.9	69.3 / 0.00	TERRANCE J. MCMANUS 30 MONKLAND AVENUE OTTAWA ON K1S 1Y9	GEN
Generator No.:	ON3124392			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:					
--Details--					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
75	1 of 1	NNE/226.0	61.6 / -7.64	ON	BORE
Borehole ID:	847436			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Diamond Drill			UTM Zone::	18
Easting::	446465			Northing::	5028952
Location Accuracy::				Orig. Ground Elev m::	64.4
Elev. Reliability Note::				DEM Ground Elev m::	72.9
Total Depth m::	17.3			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			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
Bottom Depth(m):	1.5			Stratum Desc:	LOOSE BROWN FILL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	6557514 6.9			Top Depth(m): Stratum Desc:	1.5 STIFF GREY CLAY SOME SILT TRACE FINE SAND
Stratum ID: Bottom Depth(m):	6557515 17.3			Top Depth(m): Stratum Desc:	6.9 STIFF GREY SILTY CLAY SOME FINE SAND

<u>76</u>	1 of 1	W/227.6	74.0 / 4.69	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	847451 Geotechnical/Geological Investigation Hand auger 446108 1.4 NEPEAN LOT F 06-JUL-1961			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 5028741 67.4 70.6 BROKEN FRONT C -999.9
--Details--					
Stratum ID: Bottom Depth(m):	6557576 0.5			Top Depth(m): Stratum Desc:	0.0 FILL CINDERS WOOD SAND AND GRAVEL
Stratum ID: Bottom Depth(m):	6557577 0.8			Top Depth(m): Stratum Desc:	0.5 GRAVELLY FILL
Stratum ID: Bottom Depth(m):	6557578 0.9			Top Depth(m): Stratum Desc:	0.8 ORGANIC MATERIAL
Stratum ID: Bottom Depth(m):	6557579 1.2			Top Depth(m): Stratum Desc:	0.9 SILTY SANDY CLAY WITH FEW PEBBLES
Stratum ID: Bottom Depth(m):	6557580 1.4			Top Depth(m): Stratum Desc:	1.2 CLAY

<u>77</u>	1 of 4	NW/227.7	70.9 / 1.61	464 Metcalfe Ottawa ON	EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code: Report Type: Report Date: Report Requested by: Nearest Intersection: Previous Site Name: Additional Info Ordered:	203173 20120227056 90295 57369 C 1CAN Site Report 2/28/2012 7:55:30 PM Saic Energy, Environment & Infrastructure, Llc			Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	2/27/2012 7:52:55 PM CO 0.25 2 -75.687801 45.41163

<u>77</u>	2 of 4	NW/227.7	70.9 / 1.61	CENTRETOWN CITIZENS OTTAWA CORPORATION 464 Metcalfe Street Ottawa ON	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>Generator No.: ON4321223 Status: Approval Years: 2010 Contam. Facility: MHSW Facility: SIC Code: 531310 SIC Description: Real Estate Property Managers</p> <p>PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:</p> <p>--Details-- Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES</p>					
77	3 of 4	NW/227.7	70.9 / 1.61	Modern Niagara Building Services 464 Metcalfe Street Ottawa ON K2P 1B7	GEN
<p>Generator No.: ON6183296 Status: Registered Approval Years: As of Dec 2017 Contam. Facility: MHSW Facility: SIC Code: SIC Description:</p> <p>PO Box No.: Country: Canada Choice of Contact: Co Admin: Phone No. Admin:</p> <p>--Details-- Waste Code: 212 L Waste Description: Aliphatic solvents and residues</p>					
77	4 of 4	NW/227.7	70.9 / 1.61	Modern Niagara Building Services 464 Metcalfe Street Ottawa ON K2P 1B7	GEN
<p>Generator No.: ON6183296 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 531310 SIC Description: REAL ESTATE PROPERTY MANAGERS</p> <p>PO Box No.: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:</p> <p>--Details-- Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS</p>					
78	1 of 1	NNE/229.3	61.6 / -7.64	ON	BORE
<p>Borehole ID: 847398 Use: Geotechnical/Geological Investigation Drill Method:: Diamond Drill Easting:: 446485 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 36.1 Township:: NEPEAN Lot:: LOT F Completion Date:: 17-MAY-1960 Primary Water Use::</p> <p>Type: Borehole Status:: Decommissioned UTM Zone:: 18 Northing:: 5028944 Orig. Ground Elev m:: 64.5 DEM Ground Elev m:: 70.3 Primary Name:: Concession:: BROKEN FRONT C Municipality: Static Water Level:: .8 Sec. Water Use::</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Stratum ID:	6557282			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	TOPSOIL
Stratum ID:	6557283			Top Depth(m):	0.3
Bottom Depth(m):	1.8			Stratum Desc:	SILTY FINE SAND WITH A LITTLE CLAY VERY LOOSE (SM)
Stratum ID:	6557284			Top Depth(m):	1.8
Bottom Depth(m):	3.7			Stratum Desc:	CLAY, BROWNISH GREY, FISSURED, STIFF, HIGH PLASTICITY (CH)
Stratum ID:	6557286			Top Depth(m):	7.6
Bottom Depth(m):	9.1			Stratum Desc:	SILT, STIFF TO MEDIUM SOFT LOW PLASTICITY (ML)
Stratum ID:	6557287			Top Depth(m):	9.1
Bottom Depth(m):	15.2			Stratum Desc:	CLAY GREY, STIFF LOW PLASTICITY (CL)
Stratum ID:	6557288			Top Depth(m):	15.2
Bottom Depth(m):	18.3			Stratum Desc:	CLAYEY SILT, GREY, STIFF TO MEDIUM SOFT LOW PLASTICITY (CL - ML)
Stratum ID:	6557289			Top Depth(m):	18.3
Bottom Depth(m):	21.8			Stratum Desc:	SANDY SILT WITH SOME CLAY AND A TRACE OF GRAVEL, NON PLASTIC, MEDIUM DENSE (ML)
Stratum ID:	6557290			Top Depth(m):	21.8
Bottom Depth(m):	30.5			Stratum Desc:	SILT WITH SOME SAND AND A LITTLE CLAY, NON PLASTIC, MEDIUM DENSE (ML)
Stratum ID:	6557291			Top Depth(m):	30.5
Bottom Depth(m):	30.8			Stratum Desc:	SANDY SILT WITH A LITTLE GRAVEL AND CLAY, NON PLASTIC, LOOSE (ML)
Stratum ID:	6557292			Top Depth(m):	30.8
Bottom Depth(m):	32.3			Stratum Desc:	SANDY SILT WITH A LITTLE GRAVEL AND CLAY, NON PLASTIC, MEDIUM DENSE (ML)
Stratum ID:	6557293			Top Depth(m):	32.3
Bottom Depth(m):	32.9			Stratum Desc:	SILTY SAND WITH A LITTLE CLAY AND A TRACE OF GRAVEL (TILL) DENSE (SM)
Stratum ID:	6557294			Top Depth(m):	32.9
Bottom Depth(m):	34.5			Stratum Desc:	SHALE, CORE RECOVERY 98%
Stratum ID:	6557295			Top Depth(m):	34.5
Bottom Depth(m):	36.1			Stratum Desc:	SHALE, CORE RECOVERY 100%
Stratum ID:	6557285			Top Depth(m):	3.7
Bottom Depth(m):	7.6			Stratum Desc:	CLAY GREY, STIFF HIGH PLASTICITY (CH)

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1 of 1

NE/230.6

55.7 / -13.57

ON

BORE

Borehole ID:	801556	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method::	Boring	UTM Zone::	18
Easting::	446542.41	Northing::	5028890.69
Location Accuracy::		Orig. Ground Elev m::	62.5
Elev. Reliability Note::		DEM Ground Elev m::	62.4
Total Depth m::	33.5	Primary Name::	BH 2

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Township::				Concession::	
Lot::				Municipality:	
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	
Bottom Depth(m): 1.2				Stratum Desc: Water	
Stratum ID: 218568670				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): 2.7				Stratum Desc: Brown Peat	
Stratum ID: 218568672				Top Depth(m): 2.7	
Bottom Depth(m): 7.5				Stratum Desc: Grey Stiff Silty Clay	
Stratum ID: 218568673				Top Depth(m): 7.5	
Bottom Depth(m): 8.5				Stratum Desc: Grey Stiff Silty Clay With: Org M	
Stratum ID: 218568674				Top Depth(m): 8.5	
Bottom Depth(m): 11.3				Stratum Desc: Grey Stiff Silty Clay Trace: Org M	
Stratum ID: 218568675				Top Depth(m): 11.3	
Bottom Depth(m): 14.5				Stratum Desc: Grey Stiff Silty Clay	
Stratum ID: 218568676				Top Depth(m): 14.5	
Bottom Depth(m): 16.2				Stratum Desc: Grey Compact clay silt	
Stratum ID: 218568677				Top Depth(m): 16.2	
Bottom Depth(m): 18.3				Stratum Desc: Grey Compact sand silt Trace: Cl	
Stratum ID: 218568678				Top Depth(m): 18.3	
Bottom Depth(m): 22.9				Stratum Desc: Grey Compact to Loose clay silt	
Stratum ID: 218568679				Top Depth(m): 22.9	
Bottom Depth(m): 29.4				Stratum Desc: Grey Loose to Compact sand silt With: Cl	
Stratum ID: 218568680				Top Depth(m): 29.4	
Bottom Depth(m): 30.5				Stratum Desc: Dark Grey Very Dense Till sand silt With: Gr W Cob	
Stratum ID: 218568681				Top Depth(m): 30.5	
Bottom Depth(m): 33.5				Stratum Desc: Black Bedrock Shale	

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1 of 1

ENE/230.6

54.9 / -14.39

ON

BORE

Borehole ID: 801002
Use: Geotechnical/Geological Investigation
Drill Method:: Hollow stem auger
Easting:: 446570.55
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 4.3
Township::
Lot::
Completion Date:: 16-JAN-1979
Primary Water Use::

Type: Borehole
Status::
UTM Zone:: 18
Northing:: 5028843.18
Orig. Ground Elev m:: 62.6
DEM Ground Elev m:: 62.8
Primary Name:: BH 2
Concession::
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Stratum ID:	218566351			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	Ice
Stratum ID:	218566352			Top Depth(m):	0.3
Bottom Depth(m):	0.8			Stratum Desc:	Dark Grey Very Soft Silt With: Org M
Stratum ID:	218566353			Top Depth(m):	0.8
Bottom Depth(m):	1.3			Stratum Desc:	Grey-Brown Loose Silt - Sand Trace: Org M
Stratum ID:	218566354			Top Depth(m):	1.3
Bottom Depth(m):	3.2			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
Stratum ID:	218566355			Top Depth(m):	3.2
Bottom Depth(m):	4.3			Stratum Desc:	Grey Stiff Silty Clay

81	1 of 1	WNW/232.3	71.9 / 2.61	ON	BORE
Borehole ID:	804313			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446123.11			Northing::	5028836.52
Location Accuracy::				Orig. Ground Elev m::	-999.9
Elev. Reliability Note::				DEM Ground Elev m::	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--					
Stratum ID:	218580122			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Topsoil
Stratum ID:	218580123			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Brown Fill-Misc Sand With: Si
Stratum ID:	218580124			Top Depth(m):	0.2
Bottom Depth(m):	1.6			Stratum Desc:	Grey-Brown Loose Fill-Misc Silt - Sand With: Gr Trace: Org M
Stratum ID:	218580125			Top Depth(m):	1.6
Bottom Depth(m):	4.3			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay

82	1 of 1	N/233.2	69.3 / 0.00	Paramount Properties 475 Elgin st Ottawa ON K2P 2E6	GEN
Generator No.:	ON9800579			PO Box No.:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	511111				
SIC Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

83	1 of 1	W/237.2	73.9 / 4.61	R.M. OF OTTAWA-CARLETON O'CONNOR ST./ISABELLA ST. OTTAWA CITY ON	CA
Certificate #:		7-0433-96-			
Application Year:		96			
Issue Date:		6/6/1996			
Approval Type:		Municipal water			
Status:		Approved			
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	ON	BORE
Borehole ID:	613230			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446361			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):	0.2
Bottom Depth(m):	1.5			Stratum Desc:	CLAY. YELLOW,HARD.
Stratum ID:	218394243			Top Depth(m):	1.5
Bottom Depth(m):	4.6			Stratum Desc:	CLAY. GREY,STIFF.
Stratum ID:	218394244			Top Depth(m):	4.6
Bottom Depth(m):	6.1			Stratum Desc:	CLAY. GREY,COMPACT.
Stratum ID:	218394245			Top Depth(m):	6.1
Bottom Depth(m):	12.2			Stratum Desc:	CLAY. BLUE,SOFT.
Stratum ID:	218394246			Top Depth(m):	12.2
Bottom Depth(m):				Stratum Desc:	SAND. LOOSE. STIFF. SILT. GREY,COMPACT. 00000017000600130015000300490003007350 16SE. SILT

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
85	1 of 1	NNW/238.8	70.9 / 1.61	ON	BORE
Borehole ID:	613228			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446261			Northing::	5028972
Location Accuracy::				Orig. Ground Elev m::	69.2
Elev. Reliability Note::				DEM Ground Elev m::	69.4
Total Depth m::	40.2			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	OCT-1972			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218394228			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	ARTIFICIAL.
Stratum ID:	218394229			Top Depth(m):	1.2
Bottom Depth(m):	4.9			Stratum Desc:	CLAY. BROWN,HARD,FIRM,WEATHERED.
Stratum ID:	218394230			Top Depth(m):	4.9
Bottom Depth(m):	15.2			Stratum Desc:	CLAY. GREY,STIFF,FIRM.
Stratum ID:	218394231			Top Depth(m):	15.2
Bottom Depth(m):	21.2			Stratum Desc:	CLAY. GREY,STIFF.
Stratum ID:	218394232			Top Depth(m):	21.2
Bottom Depth(m):	22.1			Stratum Desc:	SILT. GREY,VERY STIFF,LAYERED.
Stratum ID:	218394233			Top Depth(m):	22.1
Bottom Depth(m):	30.3			Stratum Desc:	SILT. GREY,COMPACT,VERY LOOSE.
Stratum ID:	218394234			Top Depth(m):	30.3
Bottom Depth(m):	36.4			Stratum Desc:	SAND. GREY,DENSE,LOOSE.
Stratum ID:	218394235			Top Depth(m):	36.4
Bottom Depth(m):	40.2			Stratum Desc:	SILT. GREY,DENSE TO VERY DENSE. 00160025070080000400150050000600725008 0099504201195042 0000500
86	1 of 1	W/241.7	72.9 / 3.61	ON	BORE
Borehole ID:	847401			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Boring			UTM Zone::	18
Easting::	446095			Northing::	5028762
Location Accuracy::				Orig. Ground Elev m::	68.5
Elev. Reliability Note::				DEM Ground Elev m::	72.9
Total Depth m::	32.7			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	05-JAN-1960			Static Water Level::	3.1
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557320			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	FILL
Stratum ID:	6557321			Top Depth(m):	1.5
Bottom Depth(m):	1.8			Stratum Desc:	ORGANIC

Map Key	Number of Records	Direction/ Distance (m)	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%

87 1 of 1 NNW/243.6 70.9 / 1.61 ON BORE

Borehole ID:	806276	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	
Drill Method::	Hollow stem auger	UTM Zone::	18
Easting::	446255.4	Northing::	5028975.03
Location Accuracy::		Orig. Ground Elev m::	69.5
Elev. Reliability Note::		DEM Ground Elev m::	69.5
Total Depth m::	14.9	Primary Name::	BH 80-3
Township::		Concession::	
Lot::		Municipality:	
Completion Date::	11-DEC-1980	Static Water Level::	3.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:	218588277	Top Depth(m):	0.0
Bottom Depth(m):	0.1	Stratum Desc:	Concrete
Stratum ID:	218588278	Top Depth(m):	0.1
Bottom Depth(m):	1.4	Stratum Desc:	Brown Compact Fill-Misc sand silt With: Gr
Stratum ID:	218588279	Top Depth(m):	1.4
Bottom Depth(m):	4.9	Stratum Desc:	Brown Very Stiff to Stiff Weathered Crust Silty Clay
Stratum ID:	218588280	Top Depth(m):	4.9

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	11.6			Stratum Desc:	Grey Firm to Stiff Silty Clay
Stratum ID:	218588281			Top Depth(m):	11.6
Bottom Depth(m):	14.9			Stratum Desc:	Dark Grey Firm clay silt With: Org M

88 1 of 1 WSW/246.2 75.0 / 5.73 ON **BORE**

Borehole ID:	613199	Type:	Borehole
Use:		Status::	
Drill Method::		UTM Zone::	18
Easting::	446111	Northing::	5028642
Location Accuracy::		Orig. Ground Elev m::	67.5
Elev. Reliability Note::		DEM Ground Elev m::	68
Total Depth m::	30.6	Primary Name::	
Township::		Concession::	
Lot::		Municipality:	
Completion Date::	JUN-1971	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:	218394104	Top Depth(m):	0.0
Bottom Depth(m):	3.0	Stratum Desc:	ARTIFICIAL.
Stratum ID:	218394105	Top Depth(m):	3.0
Bottom Depth(m):	14.3	Stratum Desc:	CLAY. GREY,SOFT TO STIFF,FISSURED.
Stratum ID:	218394106	Top Depth(m):	14.3
Bottom Depth(m):	15.1	Stratum Desc:	SILT. DENSE.
Stratum ID:	218394107	Top Depth(m):	15.1
Bottom Depth(m):	16.8	Stratum Desc:	SAND. LOOSE.
Stratum ID:	218394108	Top Depth(m):	16.8
Bottom Depth(m):	22.1	Stratum Desc:	SAND. LOOSE TO COMPACT.
Stratum ID:	218394109	Top Depth(m):	22.1
Bottom Depth(m):	27.1	Stratum Desc:	UNSPECIFIED. DENSE.
Stratum ID:	218394110	Top Depth(m):	27.1
Bottom Depth(m):	29.0	Stratum Desc:	SAND. VERY DENSE.
Stratum ID:	218394111	Top Depth(m):	29.0
Bottom Depth(m):	29.0	Stratum Desc:	UNSPECIFIED. VERY DENSE.
Stratum ID:	218394112	Top Depth(m):	29.0
Bottom Depth(m):	30.6	Stratum Desc:	BEDROCK. 00000 037 00097 050 00470 023 00495 023 00550 007 00725 010 00890

89 1 of 1 NE/252.2 60.3 / -8.99 ON **BORE**

Borehole ID:	801539	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	
Drill Method::	Boring	UTM Zone::	18
Easting::	446548.53	Northing::	5028917.58
Location Accuracy::		Orig. Ground Elev m::	62.8
Elev. Reliability Note::		DEM Ground Elev m::	64.5
Total Depth m::	33.5	Primary Name::	BH 1
Township::		Concession::	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot::				Municipality:	
Completion Date::	09-MAY-1977			Static Water Level::	.8
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218568616			Top Depth(m):	0.0
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
Bottom Depth(m):	1.4			Stratum Desc:	Brown Silt - Sand
Stratum ID:	218568618			Top Depth(m):	1.4
Bottom Depth(m):	2.9			Stratum Desc:	Grey-Brown Stiff Weathered Crust Silty Clay
Stratum ID:	218568619			Top Depth(m):	2.9
Bottom Depth(m):	6.1			Stratum Desc:	Grey Stiff Silty Clay
Stratum ID:	218568620			Top Depth(m):	6.1
Bottom Depth(m):	10.4			Stratum Desc:	Grey Stiff Silty Clay Trace: Org M
Stratum ID:	218568621			Top Depth(m):	10.4
Bottom Depth(m):	28.7			Stratum Desc:	Grey Loose to Compact sand silt With: Gr
Stratum ID:	218568622			Top Depth(m):	28.7
Bottom Depth(m):	30.6			Stratum Desc:	Dark Grey Dense Till sand silt With: Gr W Cob
Stratum ID:	218568623			Top Depth(m):	30.6
Bottom Depth(m):	33.5			Stratum Desc:	Black Bedrock Shale
Stratum ID:	218568624			Top Depth(m):	33.5
Bottom Depth(m):	15.2			Stratum Desc:	Grey Stiff to Very Stiff Layered Silty Clay & Clayey Silt With: Si
90	1 of 1	ENE/253.0	66.3 / -2.97	ON	BORE
Borehole ID:	801011			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446590.28			Northing::	5028853.81
Location Accuracy::				Orig. Ground Elev m::	67
Elev. Reliability Note::				DEM Ground Elev m::	65.6
Total Depth m::	6.9			Primary Name::	BH 4
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	19-JAN-1979			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218566382			Top Depth(m):	0.0
Bottom Depth(m):	3.1			Stratum Desc:	Brown Loose Fill-Misc sand silt
Stratum ID:	218566383			Top Depth(m):	3.1
Bottom Depth(m):	4.4			Stratum Desc:	Brown Loose Silt - Sand
Stratum ID:	218566384			Top Depth(m):	4.4
Bottom Depth(m):	6.9			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay

Map Key	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 #:		2866-4FRHD6			
Application Year:		00			
Issue Date:		1/24/00			
Approval Type:		Industrial air			
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::		K1P 2L7			
Project Description::		Install one 1250 kW diesel generator with sound attenuating enclosure to be used for emergency purposes over the January 1, 2000 time period.			
Contaminants::					
Emission Control::					
91	2 of 37	NNW/254.4	70.9 / 1.61	City of Ottawa 474 Elgin Street Ottawa ON K2P 2J6	CA
Certificate #:		1977-6JZLJ2			
Application Year:		2005			
Issue Date:		12/15/2005			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::					
Contaminants::					
Emission Control::					
91	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 #:		8-4105-97-			
Application Year:		97			
Issue Date:		2/13/1998			
Approval Type:		Industrial air			
Status:					
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::		FORENSIC LABORATORY FACILITY			
Contaminants::		Acetone, Acetic Acid, Methyl Ethyl Ketone (Butanone), Ethyl Alcohol, Denat,D, Methyl Alcohol, Other Organic Compounds			
Emission Control::		Panel Filter			
91	4 of 37	NNW/254.4	70.9 / 1.61	CITY OF OTTAWA 474 ELGIN ST OTTAWA ON K2P 2J6	CFOT
Licence No:		Letter Sent:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Registration No: Posse File No: Posse Reg No: Tank Type: Double Wall UST Instance Number: 64509912 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Fiberglass (FRP) Tank Age (as of 05/1992): Tank Size: 25000					
Corrosion Protection: Fiberglass Province: ON Nbr: 4382 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: 474 ELGIN ST Tank Address: Comments:					
91	5 of 37	NNW/254.4	70.9 / 1.61	City of Ottawa 474 Elgin Street Ottawa ON K2G 6J8	ECA
Approval No: 1977-6JZLJ2 Approval Date: 2005-12-15 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-AIR Project Type: AIR Address: 474 Elgin Street Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2491-6HZMB7-14.pdf					
SWP Area Name: Rideau Valley MOE District: Ottawa City: Ottawa Longitude: -75.68674 Latitude: 45.412262					
91	6 of 37	NNW/254.4	70.9 / 1.61	City of Ottawa 474 Elgin St Ottawa ON K1P 1J1	ECA
Approval No: 4942-8NNLMR Approval Date: 2011-12-12 Status: Approved Record Type: ECA Link Source: IDS 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					
SWP Area Name: Rideau Valley MOE District: Ottawa City: Ottawa Longitude: -75.68674 Latitude: 45.412262					
91	7 of 37	NNW/254.4	70.9 / 1.61	City of Ottawa 474 Elgin St Ottawa ON K2P 2J6	ECA
Approval No: 4942-8NNLMR Approval Date: 12/12/2011 Status: Approved Record Type: Link Source: Approval Type: Project Type: Air/Noise Address: Full Address: Full PDF Link:					
SWP Area Name: MOE District: City: Ottawa Longitude: Latitude:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
91	8 of 37	NNW/254.4	70.9 / 1.61	The Regional Municipality of Ottawa-Carleton 474 Elgin Street Ottawa ON K2P 2L7	ECA
Approval No:		2866-4FRHD6	SWP Area Name: Rideau Valley		
Approval Date:		2000-01-24	MOE District: Ottawa		
Status:		Revoked and/or Replaced	City: Ottawa		
Record Type:		ECA	Longitude: -75.68674		
Link Source:		IDS	Latitude: 45.412262		
Approval Type:		ECA-AIR			
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 474 ELGIN ST OTTAWA ON K2P 2J6	FST
Instance No:		10902744			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		9000			
Tank Material:		Steel			
Corrosion Protection:		Impressed Current			
Tank Type:		Single Wall UST			
Install Year:		1982			
Parent Facility Type:		Fuels Safety Private Fuel Outlet - Self Serve			
Facility Type:		FS Liquid Fuel Tank			
91	10 of 37	NNW/254.4	70.9 / 1.61	CITY OF OTTAWA 474 ELGIN ST OTTAWA ON K2P 2J6	FST
Instance No:		10902727			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		22500			
Tank Material:		Steel			
Corrosion Protection:		Impressed Current			
Tank Type:		Single Wall UST			
Install Year:		1982			
Parent Facility Type:		Fuels Safety Private Fuel Outlet - Self Serve			
Facility Type:		FS Liquid Fuel Tank			
91	11 of 37	NNW/254.4	70.9 / 1.61	CORP CITY OF OTTAWA 474 ELGIN OTTAWA ON K2P 2J6	FSTH
License Issue Date:		6/4/1990			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Status:		Active			
Year of Installation:		1982			
Corrosion Protection:					
Capacity:		22500			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1982			
Corrosion Protection:					
Capacity:		9000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
91	12 of 37	NNW/254.4	70.9 / 1.61	CORP CITY OF OTTAWA 474 ELGIN OTTAWA ON K2P 2J6	FSTH
License Issue Date:		6/4/1990			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--Details--					
Status:		Active			
Year of Installation:		1982			
Corrosion Protection:					
Capacity:		22500			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1982			
Corrosion Protection:					
Capacity:		9000			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
91	13 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON K1G 6H5	GEN
Generator No.:	ON8585320			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Wally Watt
MHSW Facility:	No			Phone No. Admin:	613-580-2424 Ext.23656
SIC Code:	913150				
SIC Description:	913150				
--Details--					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
Waste Code:	221				
Waste Description:	LIGHT FUELS				
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
Waste Code:	331				
Waste Description:	WASTE COMPRESSED GASES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			

91	14 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON K1G 6H5	GEN
Generator No.:	ON8585320			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Wally Watt
MHSW Facility:	No			Phone No. Admin:	613-580-2424 Ext.23656
SIC Code:	913150				
SIC Description:	913150				
--Details--					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
Waste Code:	221				
Waste Description:	LIGHT FUELS				
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
Waste Code:	113				
Waste Description:	ACID WASTE - OTHER METALS				
Waste Code:	122				
Waste Description:	ALKALINE WASTES - OTHER METALS				
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		146			
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. Ottawa ON K1G 6H5	GEN
Generator No.:	ON8585320			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Wally Watt
MHSW Facility:	No			Phone No. Admin:	613-580-2424 Ext.23656
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 Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
91	16 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON	GEN
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:	251				
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	GEN
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		212			
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	18 of 37	NNW/254.4	70.9 / 1.61	OTTAWA, CITY OF - POLICE STATION 29-232 474 ELGIN STREET OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0136209			PO Box No.:	
Status:				Country:	
Approval Years:	94,95,96			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8323				
SIC Description:	POLICE SERVICES				
--Details--					
Waste Code:		212			
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	19 of 37	NNW/254.4	70.9 / 1.61	Ottawa Police Service 474 Elgin Street P.O. Box 9634 Station T Ottawa ON K2P 2J6	GEN
Generator No.:	ON7412358			PO Box No.:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621110				
SIC Description:					
91	20 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON K2P 2J6	GEN
Generator No.:	ON8585320			PO Box No.:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:	913150				
SIC Description:		Municipal Regulatory Services			
--Details--					
Waste Code:	113				
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:	122				
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:	145				
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:	146				
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:	148				
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:	213				
Waste Description:		PETROLEUM DISTILLATES			
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:	312				
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:	331				
Waste Description:		WASTE COMPRESSED GASES			
91	21 of 37	NNW/254.4	70.9 / 1.61	OTTAWA, CITY OF - POLICE STATION DEPARTMENT OF PHYSICAL ENVIRONMENT 474 ELGIN STREET OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0136209			PO Box No.:	
Status:				Country:	
Approval Years:	86,87,88,89,90			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
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			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
91	22 of 37	NNW/254.4	70.9 / 1.61	OTTAWA, (SEE & USE ON0303131) 474 ELGIN STREET OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0136209			PO Box No.:	
Status:				Country:	
Approval Years:	97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8323				
SIC Description:	POLICE SERVICES				
--Details--					
Waste Code:	212				
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	23 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON K2P 2J6	GEN
Generator No.:	ON8585320			PO Box 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--					
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
Waste Code:	122				
Waste Description:	ALKALINE WASTES - OTHER METALS				
Waste Code:	113				
Waste Description:	ACID WASTE - OTHER METALS				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
Waste Code:	146				
Waste Description:	OTHER SPECIFIED INORGANICS				
Waste Code:	148				
Waste Description:	INORGANIC LABORATORY CHEMICALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
91	24 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON K2P 2J6	GEN
Generator No.:	ON8585320			PO Box No.:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	913150				
SIC Description:	Municipal Regulatory Services				
--Details--					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
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:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
91	25 of 37	NNW/254.4	70.9 / 1.61	City Of Ottawa 474 Elgin St. Ottawa ON K2P 2J6	GEN
Generator No.:	ON8585320			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:	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. Ottawa ON K1G 6H5	GEN
Generator No.:	ON8585320			PO Box No.:	9634 STN T
Status:	Registered			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--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		221 L			
Waste Description:		Light fuels			
Waste Code:		145 I			
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 I			
Waste Description:		Waste compressed gases including cylinders			
Waste Code:		213 I			
Waste Description:		Petroleum distillates			
Waste Code:		263 I			
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

Generator No.: ON0136209
Status:
Approval Years: 05,06
Contam. Facility:
MHSW Facility:
SIC Code: 913130

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Description:		Municipal Police Services			
--Details--					
Waste Code:		212			
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 OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0303131			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:					
--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 Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
91	29 of 37	NNW/254.4	70.9 / 1.61	OTTAWA-CARLETON,REGIONAL MUNICIPALITY OF 474 ELGIN STREET OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0303131			PO Box No.:	
Status:				Country:	
Approval Years:	97			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8323				
SIC Description:	POLICE SERVICES				
--Details--					
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	GEN
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				
--Details--					
Waste Code:		263			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
Waste Code:		221			
Waste Description:		LIGHT FUELS			
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
<u>91</u>	31 of 37	NNW/254.4	70.9 / 1.61	OTTAWA, CITY OF - POLICE STATION 474 ELGIN STREET OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0136209			PO Box No.:	
Status:				Country:	
Approval Years:	92,93			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8323				
SIC Description:	POLICE SERVICES				
--Details--					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8323				
SIC Description:	POLICE SERVICES				
--Details--					
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 OF OTTAWA-CARLETON POLICE SERVICES 474 ELGIN STREET OTTAWA ON K2P 2J6	GEN
Generator No.:	ON0303131			PO Box No.:	
Status:				Country:	
Approval Years:	99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8323				
SIC Description:	POLICE SERVICES				
--Details--					
Waste Code:	112				
Waste Description:	ACID WASTE - HEAVY METALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		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	34 of 37	NNW/254.4	70.9 / 1.61	CORP CITY OF OTTAWA 474 ELGIN OTTAWA ON K2P 2J6	PRT
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Location ID: 10936
Type: private
Expiry Date:
Capacity (L): 31500.00
Licence #: 0001023522

91	35 of 37	NNW/254.4	70.9 / 1.61	OTTAWA POLICE 474 ELGIN ST. STORAGE TANK 474 ELGIN STREET OTTAWA CITY ON K2P 2J6	SPL
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Ref No:	66935	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	//	Client Type:	
Year:		Sector Type:	
Incident Cause:	CONTAINER OVERFLOW	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:	NOT ANTICIPATED	Site Municipality:	20101
Nature of Impact:	Soil Contamination	Site Lot:	
Receiving Medium:	LAND	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 2/11/1992 Dt Document Closed: Agency Involved: SAC Action Class: Incident Reason: ERROR Incident Summary: OTTAWA POLICE: 70L WASTE OIL OVERFLOW FROM STORAGETANK TO GROUND					
91	36 of 37	NNW/254.4	70.9 / 1.61	City of Ottawa 474 Elgin St Ottawa ON	SPL
Ref No: 5444-9N52BW Site No: NA Incident Dt: 2014/08/18 Year: Incident Cause: Collision/Accident Incident Event: Contaminant Code: 24 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: MOE Reported Dt: 2014/08/18 Dt Document Closed: 2014/11/21 Agency Involved: SAC Action Class: Watercourse Spills Incident Reason: Unknown / N/A Incident Summary: Ottawa Police, radiator fluid to cb, cnt					
91	37 of 37	NNW/254.4	70.9 / 1.61	PUC AT 474 ELGIN ST. AT THE OTTAWA POLICE STATION STORAGE TANK OTTAWA CITY ON K2P 2J6	SPL
Ref No: 106798 Site No: Incident Dt: 10/28/1994 Year: Incident Cause: UNDERGROUND TANK LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Environment Impact: POSSIBLE Nature of Impact: Soil contamination Receiving Medium: LAND Receiving Env: Health/Env Conseq: MOE Response:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Dt MOE Arvl on Scn:</i> <i>MOE Reported Dt:</i> <i>Dt Document Closed:</i> <i>Agency Involved:</i> <i>SAC Action Class:</i> <i>Incident Reason:</i> <i>Incident Summary:</i>	10/28/1994			<i>Site Geo Ref Meth:</i> <i>Site Map Datum:</i>	
		CORROSION			
		OTTAWA POLICE DEPT. - GASOLINE TO GROUND FROM UNDERGROUND STORAGE TANK.			

<u>92</u>	1 of 1	SSW/256.5	68.2 / -1.02	ON	BORE
<i>Borehole ID:</i> <i>Use:</i> <i>Drill Method::</i> <i>Easting::</i> <i>Location Accuracy::</i> <i>Elev. Reliability Note::</i> <i>Total Depth m::</i> <i>Township::</i> <i>Lot::</i> <i>Completion Date::</i> <i>Primary Water Use::</i>	613164 446291 3.7 AUG-1967			<i>Type:</i> <i>Status::</i> <i>UTM Zone::</i> <i>Northing::</i> <i>Orig. Ground Elev m::</i> <i>DEM Ground Elev m::</i> <i>Primary Name::</i> <i>Concession::</i> <i>Municipality:</i> <i>Static Water Level::</i> <i>Sec. Water Use::</i>	Borehole 18 5028462 66.4 66.5 -999.9
<i>--Details--</i>				<i>Top Depth(m):</i> <i>Stratum Desc:</i>	0.0 UNSPECIFIED.
<i>Stratum ID:</i> <i>Bottom Depth(m):</i>	218393970 0.3			<i>Top Depth(m):</i> <i>Stratum Desc:</i>	0.3 ARTIFICIAL.
<i>Stratum ID:</i> <i>Bottom Depth(m):</i>	218393971 1.8			<i>Top Depth(m):</i> <i>Stratum Desc:</i>	1.8 CLAY. GREY, HARD.
<i>Stratum ID:</i> <i>Bottom Depth(m):</i>	218393972 3.4			<i>Top Depth(m):</i> <i>Stratum Desc:</i>	3.4 CLAY. GREY, VERY SOFT. FF. SILT. SOFT. CLAY. GREY, STIFF. SAND-FINE. DENSE. SAND-FINE. VE

<u>93</u>	1 of 1	NNE/256.6	68.5 / -0.79	ON	BORE
<i>Borehole ID:</i> <i>Use:</i> <i>Drill Method::</i> <i>Easting::</i> <i>Location Accuracy::</i> <i>Elev. Reliability Note::</i> <i>Total Depth m::</i> <i>Township::</i> <i>Lot::</i> <i>Completion Date::</i> <i>Primary Water Use::</i>	613233 446421 -999 SEP-1933			<i>Type:</i> <i>Status::</i> <i>UTM Zone::</i> <i>Northing::</i> <i>Orig. Ground Elev m::</i> <i>DEM Ground Elev m::</i> <i>Primary Name::</i> <i>Concession::</i> <i>Municipality:</i> <i>Static Water Level::</i> <i>Sec. Water Use::</i>	Borehole 18 5029002 70.7 66.2 -999.9
<i>--Details--</i>				<i>Top Depth(m):</i> <i>Stratum Desc:</i>	0.0 SAND. LOOSE.
<i>Stratum ID:</i> <i>Bottom Depth(m):</i>	218394252 0.3			<i>Top Depth(m):</i> <i>Stratum Desc:</i>	0.3 CLAY. COMPACT.
<i>Stratum ID:</i>	218394253 1.8			<i>Top Depth(m):</i>	1.8
<i>Stratum ID:</i>	218394254			<i>Top Depth(m):</i>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	5.5			Stratum Desc:	CLAY. GREY,FIRM.
Stratum ID:	218394255			Top Depth(m):	5.5
Bottom Depth(m):	13.4			Stratum Desc:	CLAY. BLUE,FIRM.
Stratum ID:	218394256			Top Depth(m):	13.4
Bottom Depth(m):				Stratum Desc:	SAND,SILT. LOOSE. D. LOOSE. STIFF. SILT. GREY,COMPACT. 0000001700060013001500030049000

[94](#) 1 of 1 N/259.9 70.8 / 1.57 ON BORE

Borehole ID: 806278
Use: Geotechnical/Geological Investigation
Drill Method:: Hollow stem auger
Easting:: 446319.18
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: 14.9
Township::
Lot::
Completion Date:: 10-DEC-1980
Primary Water Use::

Type: Borehole
Status::
UTM Zone:: 18
Northing:: 5029010.84
Orig. Ground Elev m:: 69.6
DEM Ground Elev m:: 68.5
Primary Name:: BH 80-4
Concession::
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--

Stratum ID: 218588287
Bottom Depth(m): 1.5
Top Depth(m): 0.0
Stratum Desc: Brown Fill-Misc Sand Trace: Gr

Stratum ID: 218588288
Bottom Depth(m): 2.4
Top Depth(m): 1.5
Stratum Desc: Void

Stratum ID: 218588289
Bottom Depth(m): 3.0
Top Depth(m): 2.4
Stratum Desc: Brown Fill-Misc Sand

Stratum ID: 218588290
Bottom Depth(m): 3.3
Top Depth(m): 3.0
Stratum Desc: Concrete

Stratum ID: 218588291
Bottom Depth(m): 4.6
Top Depth(m): 3.3
Stratum Desc: Brown Very Stiff Weathered Crust Silty Clay

Stratum ID: 218588292
Bottom Depth(m): 11.9
Top Depth(m): 4.6
Stratum Desc: Grey Stiff Silty Clay

Stratum ID: 218588293
Bottom Depth(m): 14.9
Top Depth(m): 11.9
Stratum Desc: Dark Grey Firm clay silt With: Org M

[95](#) 1 of 7 NW/260.8 71.3 / 2.04 Centretown Citizens Ottawa Corporation
424 Metcalfe St CA
Ottawa ON K2P 2C3

Certificate #: 7741-7VHJ3F
Application Year: 2009
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::

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Project Description::					
Contaminants::					
Emission Control::					
95	2 of 7	NW/260.8	71.3 / 2.04	Centretown Citizens Ottawa Corporation 424 Metcalfe St Ottawa ON K2P 2C3	CA
Certificate #:		0326-84NMNL			
Application Year:		2010			
Issue Date:		4/22/2010			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::					
Contaminants::					
Emission Control::					
95	3 of 7	NW/260.8	71.3 / 2.04	Centretown Citizens Ottawa Corporation 424 Metcalfe St Ottawa ON K2P 2C3	CA
Certificate #:		1655-7QUQFR			
Application Year:		2009			
Issue Date:		8/4/2009			
Approval Type:		Municipal and Private Sewage Works			
Status:		Revoked and/or Replaced			
Application Type:					
Client Name::					
Client Address::					
Client City::					
Client Postal Code::					
Project Description::					
Contaminants::					
Emission Control::					
95	4 of 7	NW/260.8	71.3 / 2.04	CENTRETOWN CITIZENS OTTAWA CORPORATION 105 CATHERINE STREET OTTAWA ON K2P 1C3	EASR
Approval No:		R-002-1000000425		SWP Area Name:	
Status:		REGISTERED		MOE District:	
Date:		2012-01-25		City: OTTAWA	
Record Type:		EASR		Latitude: 0	
Link Source:		MOFA		Longitude: 0	
Full Address:					
Project Type:		Standby Power System			
Approval 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	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval No:	0761-5WHMAE			SWP Area Name: Rideau Valley	
Approval Date:	2004-03-08			MOE District: Ottawa	
Status:	Approved			City: Ottawa	
Record Type:	ECA			Longitude: -75.6884599999999	
Link Source:	IDS			Latitude: 45.4115199999999	
Approval Type:	ECA-INDUSTRIAL SEWAGE WORKS				
Project Type:	INDUSTRIAL SEWAGE WORKS				
Address:	105 Catherine Street				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1421-5V5KXB-14.pdf				

95	6 of 7	NW/260.8	71.3 / 2.04	424 Metcalfe Street Ottawa ON K2P 2C3	EHS
Order ID:	50420			Date Received: 3/17/2005	
Order No:	20050317007			Lot/Building Size:	
Customer ID:	38648			Municipality:	
Company ID:	333			Client Prov/State: ON	
Status:	C			Search Radius (km): 0.25	
Report Code:	3CAN			Large Radius: 2	
Report Type:				X: -75.687895	
Report Date:	3/25/2005			Y: 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 424 METCALFE ST, OTTAWA, ON, K2P 2C3 OTTAWA ON K2P 2C3	RSC
Reg No:	56515			Cert Date: 10-Jun-09	
RA No:				Cert Prop Use No: No CPU	
RSC Type:				Intended Prop Use: Residential	
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):	
Date Ack:				Entire Leg Prop. (Y/N): 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 1686:	No				
Asmt Roll No:	0614042 - 201420000000				
Prop. ID No:	04123-0054 LT				
Property Municipal Address:	424 METCALFE ST, OTTAWA, ON, K2P 2C3				
Mailing Address:	P.O. Box 2787, Stn. D, Ottawa, Ontario, K1P 5W8				
Latitude & Longitude:	45.41166670N 75.68777780W				
UTM Coordinates:	NAD83 18-446182-5028913 (converted from Latitude & Longitude)				
Consultant:					
Filing Owner:					
Legal Desc:	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 Lots 11 and 12, West Metcalfe Street, Plan 30, Designated as Part 1 on 4R-19596, City of Ottawa and Part of Lots 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				
Applicable Standards:	Full Depth Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for Residential/Parkland/Institutional property use				
RSC PDF:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
96	1 of 4	NW/262.1	71.3 / 2.04	CENTRETOWN CITIZENS OTTAWA CORPORATION 424 METCALFE ST OTTAWA ON K2P 1C3	EASR
Approval No:	R-002-1000000228			SWP Area Name:	
Status:	REGISTERED			MOE District:	
Date:	2011-12-16			City:	OTTAWA
Record Type:	EASR			Latitude:	
Link Source:	MOFA			Longitude:	
Full Address:					
Project Type:	Standby Power System				
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	ECA
Approval No:	1655-7QUQFR			SWP Area Name:	
Approval Date:	2009-08-04			MOE District:	
Status:	Revoked and/or Replaced			City:	Ottawa
Record Type:	ECA			Longitude:	
Link Source:	IDS			Latitude:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
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 424 Metcalfe St Ottawa ON	ECA
Approval No:	7741-7VHJ3F			SWP Area Name:	
Approval Date:	2009-10-08			MOE District:	
Status:	Approved			City:	Ottawa
Record Type:	ECA			Longitude:	
Link Source:	IDS			Latitude:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	424 Metcalfe St				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6007-7V2QWE-14.pdf				
96	4 of 4	NW/262.1	71.3 / 2.04	Centretown Citizens Ottawa Corporation 424 Metcalfe St Ottawa ON	ECA
Approval No:	0326-84NMNL			SWP Area Name:	
Approval Date:	2010-04-22			MOE District:	
Status:	Approved			City:	Ottawa
Record Type:	ECA			Longitude:	
Link Source:	IDS			Latitude:	
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				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
97	1 of 1	W/262.2	73.9 / 4.65	ON	BORE
Borehole ID:	847402			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	Decommissioned
Drill Method::	Boring			UTM Zone::	18
Easting::	446073			Northing::	5028742
Location Accuracy::				Orig. Ground Elev m::	68.5
Elev. Reliability Note::				DEM Ground Elev m::	71.7
Total Depth m::	12.6			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	27-MAR-1961			Static Water Level::	1.7
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557332			Top Depth(m):	0.0
Bottom Depth(m):	1.5			Stratum Desc:	FILL (SAND, ASHES, CINDERS, ETC)
Stratum ID:	6557333			Top Depth(m):	1.5
Bottom Depth(m):	3.0			Stratum Desc:	CLAY, BROWNISH GREY FISSURED WITH A LITTLE SILT, HIGH PLASTICITY, HARD (CH)
Stratum ID:	6557334			Top Depth(m):	3.0
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):	4.6
Bottom Depth(m):	6.1			Stratum Desc:	CLAY, GREY, SLIGHTLY FISSURED WITH SOME SILT, HIGH PLASTICITY, STIFF TO MEDIUM SOFT (CH)
Stratum ID:	6557336			Top Depth(m):	6.1
Bottom Depth(m):	7.6			Stratum Desc:	CLAY GREY WITH A LITTLE SILT AND SAND HIGH PLASTICITY, STIFF
Stratum ID:	6557337			Top Depth(m):	7.6
Bottom Depth(m):	10.7			Stratum Desc:	CLAY GREY WITH SOME SILT MEDIUM PLASTICITY, STIFF (CL)
Stratum ID:	6557338			Top Depth(m):	10.7
Bottom Depth(m):	12.6			Stratum Desc:	SILT GREY LOW PLASTICITY MEDIUM SOFT (ML)
98	1 of 1	NW/263.3	70.9 / 1.61	ON	BORE
Borehole ID:	613226			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446191			Northing::	5028962
Location Accuracy::				Orig. Ground Elev m::	69.2
Elev. Reliability Note::				DEM Ground Elev m::	69.1
Total Depth m::	35.7			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	OCT-1972			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218394218			Top Depth(m):	0.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	1.1			Stratum Desc:	ARTIFICIAL. BROWN, LOOSE.
Stratum ID:	218394219			Top Depth(m):	1.1
Bottom Depth(m):	1.2			Stratum Desc:	ARTIFICIAL.
Stratum ID:	218394220			Top Depth(m):	1.2
Bottom Depth(m):	5.2			Stratum Desc:	CLAY. BROWN, WEATHERED, HARD, STIFF, DESSICATED.
Stratum ID:	218394221			Top Depth(m):	5.2
Bottom Depth(m):	13.7			Stratum Desc:	CLAY. GREY, STIFF, FIRM.
Stratum ID:	218394222			Top Depth(m):	13.7
Bottom Depth(m):	21.3			Stratum Desc:	CLAY. GREY, FIRM, STIFF.
Stratum ID:	218394223			Top Depth(m):	21.3
Bottom Depth(m):	22.9			Stratum Desc:	SILT. GREY, VERY STIFF, LAYERED.
Stratum ID:	218394224			Top Depth(m):	22.9
Bottom Depth(m):	35.7			Stratum Desc:	SILT. GREY, LOOSE. 00000008000350100004103000170002004500 0600700006007500060165 046 00190

99	1 of 19	WSW/263.9	74.8 / 5.57	METCALFE REALTY COMPANY LIMITED 150 ISABELLA ST OTTAWA ON K1S 1V7	EASR
Approval No:	R-003-2202473916			SWP Area Name:	
Status:	REGISTERED			MOE District:	
Date:	2012-10-19			City:	OTTAWA
Record Type:	EASR			Latitude:	
Link Source:	MOFA			Longitude:	
Full Address:					
Project Type:	Heating System				
Approval Type:	EASR-Heating System				
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=1917				

99	2 of 19	WSW/263.9	74.8 / 5.57	METCALFE REALTY COMPANY LIMITED 150 ISABELLA ST OTTAWA ON K1S 1V7	EASR
Approval No:	R-002-5202142804			SWP Area Name:	
Status:	REGISTERED			MOE District:	
Date:	2012-10-19			City:	OTTAWA
Record Type:	EASR			Latitude:	
Link Source:	MOFA			Longitude:	
Full Address:					
Project Type:	Standby Power System				
Approval Type:	EASR-Standby Power System				
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=1914				

99	3 of 19	WSW/263.9	74.8 / 5.57	150 Isabella St Ottawa ON K1S1V7	EHS
Order ID:	401152			Date Received:	20-MAY-15
Order No:	20150520111			Lot/Building Size:	
Customer ID:	98167			Municipality:	
Company ID:	77			Client Prov/State:	ON
Status:	C			Search Radius (km):	.25
Report Code:	4CAN			Large Radius:	.3
Report Type:	Custom Report			X:	-75.689002

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Report Date: 26-MAY-15 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 150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1A 0L8	GEN
Generator No.: ON7516207 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 913150 SIC Description: 913150 PO Box No.: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:					
--Details--					
Waste Code: 112					
Waste Description: ACID WASTE - HEAVY METALS					
Waste Code: 148					
Waste Description: INORGANIC LABORATORY CHEMICALS					
99	5 of 19	WSW/263.9	74.8 / 5.57	Capital Endodontics 150 Isabella Street suite 100 Ottawa ON K1S 1V7	GEN
Generator No.: ON3114467 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 621210 SIC Description: OFFICES OF DENTISTS PO Box No.: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:					
--Details--					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
99	6 of 19	WSW/263.9	74.8 / 5.57	Metcalfe Realty Company Limited 150 Isabella Steet Ottawa ON K1S 1V7	GEN
Generator No.: ON7510228 Status: Approval Years: 07,08 Contam. Facility: MHSW Facility: SIC Code: 531310 SIC Description: Real Estate Property Managers PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:					
--Details--					
Waste Code: 135					
Waste Description: REACTIVE ANION WASTES					
Waste Code: 212					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:	241				
Waste Description:	HALOGENATED SOLVENTS				
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
Waste Code:	263				
Waste Description:	ORGANIC LABORATORY CHEMICALS				
99	7 of 19	WSW/263.9	74.8 / 5.57	Capital Endodontics 150 Isabella Street suite 100 Ottawa ON K1S 1V7	GEN
Generator No.:	ON3114467			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
--Details--					
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
99	8 of 19	WSW/263.9	74.8 / 5.57	Elevation Elevator Inc. 150 Isabella Street Ottawa ON K1S 5H3	GEN
Generator No.:	ON8037440			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	238291				
SIC Description:	ELEVATOR AND ESCALATOR INSTALLATION CONTRACTORS				
--Details--					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
99	9 of 19	WSW/263.9	74.8 / 5.57	CANADA BORDER SERVICES AGENCY 150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1S 5P7	GEN
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:	112				
Waste Description:	ACID WASTE - HEAVY METALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
99	10 of 19	WSW/263.9	74.8 / 5.57	Capital Endodontics 150 Isabella Street suite 100 Ottawa ON K1S 1V7	GEN
Generator No.:	ON3114467			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
99	11 of 19	WSW/263.9	74.8 / 5.57	Metcalfe Realty Company Limited 150 Isabella Steet Ottawa ON	GEN
Generator No.:	ON7510228			PO Box No.:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	531310				
SIC Description:	Real Estate Property Managers				
--Details--					
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
99	12 of 19	WSW/263.9	74.8 / 5.57	CANADA BORDER SERVICES AGENCY 150 ISABELLA 7 TH FLOOR # 7029 OTTAWA ON K1S 5P7	GEN
Generator No.:	ON7516207			PO Box No.:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	913150				
SIC Description:	Municipal Regulatory Services				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		148			
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	GEN
Generator No.:	ON8027666			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No. Admin:	
SIC Code:	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 150 Isabella Street Ottawa ON K1S 1V7	GEN
Generator No.:	ON7510228			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice 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	GEN
Generator No.:	ON8037440			PO Box No.:	
Status:				Country:	Canada

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 238291 SIC Description: ELEVATOR AND ESCALATOR INSTALLATION CONTRACTORS				Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin:	
--Details-- Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS					
99	16 of 19	WSW/263.9	74.8 / 5.57	ZIM Corporation 150 Isabella St Unit 150 Ottawa ON K1S 1V7	SCT
Established: 01-JUL-96 Plant Size (ft²): 10000 Employment:					
--Details-- Description: Software Publishers SIC/NAICS Code: 511210 Description: Software Publishers SIC/NAICS Code: 511210					
99	17 of 19	WSW/263.9	74.8 / 5.57	Exclaimer 150 Isabella St suite 210 Ottawa ON K1S 5P7	SCT
Established: 2002 Plant Size (ft²): Employment: 6					
99	18 of 19	WSW/263.9	74.8 / 5.57	Appraisal Institute of Canada 150 Isabella St Suite 203 Ottawa ON K1S 5P7	SCT
Established: 1938 Plant Size (ft²): Employment: 9					
--Details-- Description: Periodical Publishers SIC/NAICS Code: 511120 Description: Directory and Mailing List Publishers SIC/NAICS Code: 511140 Description: Professional Organizations SIC/NAICS Code: 813920					
99	19 of 19	WSW/263.9	74.8 / 5.57	Advanced Coatings 150 Isabella St Suite 1200 Ottawa ON K1S 1V7	SCT
Established:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Plant Size (ft²):
Employment:

--Details--

Description: Plastic Film and Sheet Manufacturing
SIC/NAICS Code: 326114

Description: All Other Plastic Product Manufacturing
SIC/NAICS Code: 326198

100	1 of 1	NE/267.1	65.8 / -3.49	lot G con C Ottawa ON	WWIS
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Well ID:	7293173	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Test Hole	Date Received:	8/18/2017
Sec. Water Use:	Monitoring	Selected Flag:	Yes
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7241
Casing Material:		Form Version:	7
Audit No:	Z258422	Owner:	
Tag:	A189907	Street Name:	COLONEL BY DRIVE
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	G
Well Depth:		Concession:	C
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006714832	Elevation:	64.99
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446586
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5028891
Cluster Kind:		UTMRC:	4
Date Completed:	19-JUN-17	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006855010
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		1			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		79			
Other Materials:		PACKED			
Formation Top Depth:		0			
Formation End Depth:		.8			
Formation End Depth UOM:		m			
Formation ID:		1006855009			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Other Materials:		SILT			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		.8			
Formation End Depth:		4			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
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			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1006855017			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					

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

Pipe ID: 1006855007
 Casing No: 0
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 1006855013
 Layer: 1
 Material: 5
 Open Hole or Material: PLASTIC
 Depth From: 0
 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

101	1 of 2	NNW/267.1	70.9 / 1.61	VON National 110 Argyle Ave Ottawa ON	GEN
Generator No.:	ON4817825			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621990				
SIC Description:	ALL OTHER AMBULATORY HEALTH CARE SERVICES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
101	2 of 2	NNW/267.1	70.9 / 1.61	VON National 110 Argyle Ave Ottawa ON	GEN
Generator No.:	ON4817825			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	621990				
SIC Description:	All Other Ambulatory Health Care Services				
102	1 of 1	NE/272.5	66.6 / -2.64	Parks Canada (Rideau Canal) Colonel By Dr. & Hawthorne Ave. Intersection Ottawa ON	SPL
Ref No:	3152-7RFPDE			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Client Type:	
Year:				Sector Type:	
Incident Cause:	Unknown			Source Type:	
Incident Event:				Nearest Watercourse:	
Contaminant Code:				Site Name:	Pretoria Bridge
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)			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:	Possible			Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	NA
Health/Env Conseq:				Easting:	NA
MOE Response:				Site Geo Ref Accu:	
Dt MOE Arvl on Scn:				Site Geo Ref Meth:	
MOE Reported Dt:	4/25/2009			Site Map Datum:	
Dt Document Closed:					
Agency Involved:					
SAC Action Class:	Watercourse Spills				
Incident Reason:					
Incident Summary:	Oil sheen on Rideau Canal				
103	1 of 1	WNW/272.9	71.9 / 2.61	ON	WWIS
Well ID:	7206031			Data Entry Status:	Yes
Construction Date:				Data Src:	
Primary Water Use:				Date Received:	8/7/2013
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:	
Construction Method:				County:	OTTAWA-CARLETON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
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:				Elevation: 68.95 Elevrc: Zone: 18 East83: 446096 Org CS: UTM83 North83: 5028873 UTMRC: 5 UTMRC Desc: margin of error : 100 m - 300 m Location Method: gcode	
104	1 of 2	NW/274.6	70.9 / 1.61	LRC Development Team Test Client 150 ARGYLE Ave Ottaway ON M4W 1A1	ECA
Approval No: 4724-9UCTW6 Approval Date: 2015-03-06 Status: Approved Record Type: ECA Link Source: IDS Approval Type: ECA-AIR Project Type: AIR Address: 150 ARGYLE Ave Full Address: Full PDF Link:				SWP Area Name: Rideau Valley MOE District: Ottawa City: Ottaway 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	WDS
Certificate No: 1407-9UCU52 Mob Unit Cert No: EBR Registry No: Status: Approved Application Status: Issue Date: 2015-03-06 Input Date: Date Received: Record Type: ECA Project Type: WASTE DISPOSAL SITES Approval Type: ECA-WASTE DISPOSAL SITES SWP Area Name: Rideau Valley MOE District: Ottawa Latitude: 45.411823				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 Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Longitude:	-75.68911			Process Vol (m³):	
Link Source:	IDS			Process Feed (m³):	
Proponent:				Mobile Units:	
Prop Address:				Mobile Description:	
Prop City:				Mobile Capacity:	
Prop Postal:				Serial Link:	
Prop Phone:				District Office:	
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:					

105	1 of 1	NNE/275.0	54.9 / -14.39	ON	BORE
Borehole ID:	847434			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method::	Diamond Drill			UTM Zone::	18
Easting::	446494			Northing::	5028992
Location Accuracy::				Orig. Ground Elev m::	67.6
Elev. Reliability Note::				DEM Ground Elev m::	66.5
Total Depth m::	32.9			Primary Name::	
Township::	NEPEAN			Concession::	BROKEN FRONT C
Lot::	LOT F			Municipality:	
Completion Date::	20-FEB-1961			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	6557505			Top Depth(m):	0.0
Bottom Depth(m):	6.4			Stratum Desc:	LOOSE BROWN TO GREY FILL (RAILWAY 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
Stratum ID:	6557510			Top Depth(m):	20.3
Bottom Depth(m):	32.9			Stratum Desc:	LOOSE GREY SILT SOME FINE SAND TRACE CLAY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
106	1 of 1	ENE/275.7	68.6 / -0.65	ON	BORE
Borehole ID:	802684			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446601.38			Northing::	5028881.1
Location Accuracy::				Orig. Ground Elev m::	67.5
Elev. Reliability Note::				DEM Ground Elev m::	66.3
Total Depth m::	4.3			Primary Name::	BH 14
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	09-DEC-1985			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218573128			Top Depth(m):	1.3
Bottom Depth(m):	4.3			Stratum Desc:	Grey-Brown Very Stiff Weathered Crust Silty Clay
Stratum ID:	218573123			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218573124			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Dark Grey Crushed Stone
Stratum ID:	218573125			Top Depth(m):	0.3
Bottom Depth(m):	0.5			Stratum Desc:	Dark Brown Topsoil Silt - Sand
Stratum ID:	218573126			Top Depth(m):	0.5
Bottom Depth(m):	0.8			Stratum Desc:	Brown Silt - Sand
Stratum ID:	218573127			Top Depth(m):	0.8
Bottom Depth(m):	1.3			Stratum Desc:	Brown Compact Sand

107	1 of 1	W/277.7	73.8 / 4.53	ON	BORE
Borehole ID:	613210			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	446061			Northing::	5028782
Location Accuracy::				Orig. Ground Elev m::	68.9
Elev. Reliability Note::				DEM Ground Elev m::	68.7
Total Depth m::	-999			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::				Static Water Level::	16.5
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218394146			Top Depth(m):	0.0
Bottom Depth(m):	0.9			Stratum Desc:	FILL.
Stratum ID:	218394147			Top Depth(m):	0.9
Bottom Depth(m):	8.2			Stratum Desc:	CLAY. COMPACT.
Stratum ID:	218394148			Top Depth(m):	8.2
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 Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	218394150			Top Depth(m): Stratum Desc:	18.3 SAND, LOOSE, WATER STABLE AT 172.1 FEET.0000800050005GREY,STIFF,FISSURE D. 00000 015 000
108	1 of 1	W/279.1	75.4 / 6.08	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	847440 Geotechnical/Geological Investigation Hand auger 446060 1.8 NEPEAN LOT F 09-JUN-1961			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 5028701 67.4 70.1 BROKEN FRONT C -999.9
--Details-- Stratum ID: Bottom Depth(m):	6557534 0.3			Top Depth(m): Stratum Desc:	0.0 FILL SAND AND CINDERS
Stratum ID: Bottom Depth(m):	6557535 0.9			Top Depth(m): Stratum Desc:	0.3 SANDY TILL
Stratum ID: Bottom Depth(m):	6557536 1.3			Top Depth(m): Stratum Desc:	0.9 SILT AND FINE SAND
Stratum ID: Bottom Depth(m):	6557537 1.6			Top Depth(m): Stratum Desc:	1.3 SAND AND GRAVEL WITH A FEW COBBLES
Stratum ID: Bottom Depth(m):	6557538 1.8			Top Depth(m): Stratum Desc:	1.6 CLAY
109	1 of 1	NE/287.3	69.3 / 0.07	DR. A. CHRISTIE 223 ECHO DRIVE OTTAWA ON K1S 1N2	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON2100300 95,96,97,98,99,00,01 8653 DENTISTS, GP., OFF.			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	212 ALIPHATIC SOLVENTS				
110	1 of 1	NW/288.1	70.9 / 1.61	114 Argyle Avenue Ottawa ON K2P 1B4	EHS
Order ID: Order No: Customer ID:	41701 20040309008 33188			Date Received: Lot/Building Size: Municipality:	3/9/04 Ottawa Carleton

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Company ID:	153			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	3CAN			Large Radius:	2.00
Report Type:	Complete Report			X:	-75.687636
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 Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446530.87			Northing::	5028477.97
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
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	HINC
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 "fist 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.)				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
County Name::		Ottawa			
Approx. Quant. Rel::					
Nearby body of water::					
Enter Drainage Syst.::					
Approx. Quant. Unit::					
Environmental Impact::					

113	1 of 1	NNW/291.9	70.9 / 1.61	OTTAWA ON	WWIS
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Well ID:	7218981	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Monitoring	Date Received:	4/4/2014
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Observation Wells	Abandonment Rec:	
Water Type:		Contractor:	7238
Casing Material:		Form Version:	7
Audit No:	Z180951	Owner:	
Tag:	A157551	Street Name:	110 ARGYLE AVE.
Construction Method:		County:	OTTAWA-CARLETON
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004730042	Elevation:	69.93
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	446202
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	5029002
Cluster Kind:		UTMRC:	4
Date Completed:	13-MAR-14	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005138318
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	01
Other Materials:	FILL

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Formation Top Depth:</i>	0				
<i>Formation End Depth:</i>	10				
<i>Formation End Depth UOM:</i>	ft				
<i>Formation ID:</i>	1005138319				
<i>Layer:</i>	2				
<i>Color:</i>	2				
<i>General Color:</i>	GREY				
<i>Mat1:</i>	05				
<i>Most Common Material:</i>	CLAY				
<i>Mat2:</i>	06				
<i>Other Materials:</i>	SILT				
<i>Mat3:</i>	85				
<i>Other Materials:</i>	SOFT				
<i>Formation Top Depth:</i>	10				
<i>Formation End Depth:</i>	20				
<i>Formation End Depth UOM:</i>	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>	1005138327				
<i>Layer:</i>	2				
<i>Plug From:</i>	14				
<i>Plug To:</i>	1				
<i>Plug Depth UOM:</i>	ft				
<i>Plug ID:</i>	1005138326				
<i>Layer:</i>	1				
<i>Plug From:</i>	20				
<i>Plug To:</i>	14				
<i>Plug Depth UOM:</i>	ft				
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>	1005138325				
<i>Method Construction Code:</i>	2				
<i>Method Construction:</i>	Rotary (Convent.)				
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>	1005138317				
<i>Casing No:</i>	0				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	1005138322				
<i>Layer:</i>	1				
<i>Material:</i>	5				
<i>Open Hole or Material:</i>	PLASTIC				
<i>Depth From:</i>	0				
<i>Depth To:</i>	15				
<i>Casing Diameter:</i>	2				
<i>Casing Diameter UOM:</i>	inch				
<i>Casing Depth UOM:</i>	ft				
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID:		1005138323			
Layer:		1			
Slot:		10			
Screen Top Depth:		15			
Screen End Depth:		20			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2			
<u>Water Details</u>					
Water ID:		1005138321			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005138320			
Diameter:		2			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

[114](#) 1 of 1 **NE/293.1** **59.5 / -9.76** **ON** **BORE**

Borehole ID:	847435	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	Decommissioned
Drill Method::	Diamond Drill	UTM Zone::	18
Easting::	446550	Northing::	5028974
Location Accuracy::		Orig. Ground Elev m::	65.4
Elev. Reliability Note::		DEM Ground Elev m::	68.3
Total Depth m::	18.7	Primary Name::	
Township::	NEPEAN	Concession::	BROKEN FRONT C
Lot::	LOT F	Municipality:	
Completion Date::	08-FEB-1961	Static Water Level::	-999.9
Primary Water Use::		Sec. Water Use::	
--Details--			
Stratum ID:	6557511	Top Depth(m):	0.0
Bottom Depth(m):	2.7	Stratum Desc:	COMPACT GREY BROWN SILTY FINE SAND
Stratum ID:	6557512	Top Depth(m):	2.7
Bottom Depth(m):	9.1	Stratum Desc:	STIFF GREY CLAY SOME SILT TRACE SINE SAND

[115](#) 1 of 1 **NNW/293.1** **70.9 / 1.61** **ON** **BORE**

Borehole ID:	806279	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status::	
Drill Method::	Hollow stem auger	UTM Zone::	18
Easting::	446241.86	Northing::	5029023.28
Location Accuracy::		Orig. Ground Elev m::	70.8
Elev. Reliability Note::		DEM Ground Elev m::	70.2
Total Depth m::	47.3	Primary Name::	BH 80-5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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
Elev. Reliability Note::				DEM Ground Elev m::	64.4
Total Depth m::	5.5			Primary Name::	BH 6
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	07-MAY-1969			Static Water Level::	.6
Primary Water Use::				Sec. Water Use::	
--Details--					
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
Stratum ID:	218587585			Top Depth(m):	3.0
Bottom Depth(m):	5.0			Stratum Desc:	Brown Very Stiff Weathered Crust Silty Clay
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 Ottawa ON K1S 1N1	EHS
Order ID:	63994			Date Received:	11/10/2005

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No:	20051110006			Lot/Building Size:	
Customer ID:	36630			Municipality:	
Company ID:	77			Client Prov/State:	ON
Status:	C			Search Radius (km):	0.25
Report Code:	4CAN			Large Radius:	2
Report Type:	Custom Report			X:	-75.681757
Report Date:	11/15/2005			Y:	45.410875
Report Requested by:	Pinchin Environmental Ltd.				
Nearest Intersection:	Hawthorne Ave				
Previous Site Name:					
Additional Info Ordered:					

118	1 of 1	ESE/296.4	54.5 / -14.81	ON	BORE
Borehole ID:	806099			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Boring			UTM Zone::	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
Bottom Depth(m):	1.8			Stratum Desc:	Brown Loose Fill-Misc Silt - Sand Trace: Gr
Stratum ID:	218587580			Top Depth(m):	1.8
Bottom Depth(m):	3.2			Stratum Desc:	Concrete
Stratum ID:	218587581			Top Depth(m):	3.2
Bottom Depth(m):	3.7			Stratum Desc:	Grey Soft Silty Clay
Stratum ID:	218587582			Top Depth(m):	3.7
Bottom Depth(m):	5.2			Stratum Desc:	Brown Very Stiff Weathered Crust Silty Clay
Stratum ID:	218587583			Top Depth(m):	5.2
Bottom Depth(m):	5.8			Stratum Desc:	Grey Stiff Silty Clay

119	1 of 4	WSW/297.6	75.1 / 5.78	METCALFE REALTY COMPANY LIMITED 460 O'CONNOR STREET OTTAWA ON K1S 5H3	GEN
Generator No.:	ON0979504			PO Box No.:	
Status:				Country:	
Approval Years:	04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:					
SIC Description:					

119	2 of 4	WSW/297.6	75.1 / 5.78	METCALFE REALTY COMPANY LIMITED 26-615 460 O'CONNOR ST. C/O 130 ALBERT ST. STE 210	GEN
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
OTTAWA ON K1S 5H3					
Generator No.:	ON0979504			PO Box No.:	
Status:				Country:	
Approval Years:	94,95,96			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	7512				
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	GEN
Generator No.:	ON0979504			PO Box No.:	
Status:				Country:	
Approval Years:	92,93,97,98,99,00,01,03			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	7512				
SIC Description:		NON-RES. BLDG. OPER.			
--Details--					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
119	4 of 4	WSW/297.6	75.1 / 5.78	METCALFE REALTY COMPANY LIMITED 460 O'CONNOR STREET OTTAWA ON K1S 5N3	GEN
Generator No.:	ON0979504			PO Box No.:	
Status:				Country:	
Approval Years:	02			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:					
SIC Description:					
120	1 of 2	ESE/298.6	54.5 / -14.81	ON	BORE
Borehole ID:	806096			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Boring			UTM Zone::	18
Easting::	446639.05			Northing::	5028585.93
Location Accuracy::				Orig. Ground Elev m::	64.6
Elev. Reliability Note::				DEM Ground Elev m::	63.9
Total Depth m::	7.3			Primary Name::	BH 4
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	06-MAY-1969			Static Water Level::	.6
Primary Water Use::				Sec. Water Use::	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Stratum ID:	218587560			Top Depth(m):	0.0
Bottom Depth(m):	0.7			Stratum Desc:	Grey Loose Crushed Stone
Stratum ID:	218587561			Top Depth(m):	0.7
Bottom Depth(m):	3.0			Stratum Desc:	Concrete
Stratum ID:	218587562			Top Depth(m):	3.0
Bottom Depth(m):	5.0			Stratum Desc:	Brown Very Stiff Weathered Crust Silty Clay
Stratum ID:	218587563			Top Depth(m):	5.0
Bottom Depth(m):	7.3			Stratum Desc:	Grey Firm to Stiff Silty Clay
120	2 of 2	ESE/298.6	54.5 / -14.81	ON	BORE
Borehole ID:	806104			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Boring			UTM Zone::	18
Easting::	446640.25			Northing::	5028586.41
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::	
Lot::				Municipality:	
Completion Date::	08-MAY-1969			Static Water Level::	.6
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218587603			Top Depth(m):	0.0
Bottom Depth(m):	3.2			Stratum Desc:	Concrete
Stratum ID:	218587604			Top Depth(m):	3.2
Bottom Depth(m):	3.7			Stratum Desc:	Grey Soft Silty Clay
Stratum ID:	218587605			Top Depth(m):	3.7
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	ON	BORE
Borehole ID:	802253			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Hollow stem auger			UTM Zone::	18
Easting::	446418.66			Northing::	5028419.07
Location Accuracy::				Orig. Ground Elev m::	64.5
Elev. Reliability Note::				DEM Ground Elev m::	63.5
Total Depth m::	5.5			Primary Name::	BH 6
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	08-MAR-1978			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218571439			Top Depth(m):	2.1
Bottom Depth(m):	2.4			Stratum Desc:	Grey Loose Silt - Sand
Stratum ID:	218571440			Top Depth(m):	2.4
Bottom Depth(m):	4.6			Stratum Desc:	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	218571436 0.1			Top Depth(m): Stratum Desc:	0.0 Topsoil
Stratum ID: Bottom Depth(m):	218571437 0.9			Top Depth(m): Stratum Desc:	0.1 Grey-Brown Fill-Misc Silt - Sand With: Org M
Stratum ID: Bottom Depth(m):	218571438 2.1			Top Depth(m): Stratum Desc:	0.9 Dark Grey Firm Silt With: Cl W Sa W Org M W Constr Debris
Stratum ID: Bottom Depth(m):	218571441 5.5			Top Depth(m): Stratum Desc:	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>	Ottawa ON	
SPL	TRANSPORT TRUCK	HWY 417 BETWEEN NICOLAS AND VANIER PARKWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	Loblaws 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 Drive 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>	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>	Ottawa ON
SPL	Ferguson Fuels<UNOFFICIAL>	HWY 417 EASTBOUND AT THE EAGLESON OFF RAMP<UNOFFICIAL>	Ottawa ON
SPL	Waste Services Inc.	Highway 417 East bound West of Terry Fox	Ottawa ON
SPL	CITY OF OTTAWA SNOW PLOW<UNOFFICIAL>	TERRY FOX DRIVE AT THE HWY. 417 OVERPASS<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>	Ottawa ON
SPL	Wilway Transport<UNOFFICIAL>	Highway 417 eastbound, panmure exit(exit 162) MVA - HIGHWAY 417 EASTBOUND AT PANMURE EXIT (EXIT 163)<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>	Ottawa ON
SPL	S. 21(1)(f)	Hwy 417 E between Vanier Parkway and St. Laurent<UNOFFICIAL>	Ottawa ON
SPL	Drain-All Ltd.	Hwy 417 Westbound near Carling off-ramp	Ottawa ON
SPL	Ottawa LRT <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>	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>	Queensway, from Greenbank Exit to 1735 Iris Road (Pine Crest Shopping Centre - in front of IKEA)<UNOFFICIAL>	Ottawa ON

Unplottable Report

Site: CANLANDS DEVELOPMENT CORP.
METCALFE STREET OTTAWA CITY ON

Database:
CA

Certificate #: 7-0765-89-
Application Year: 89
Issue Date: 5/12/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: REG.MUN.OF OTTAWA-CARLETON
QUEENSWAY N. OTTAWA ON

Database:
CA

Certificate #: 3-0468-85-006
Application Year: 85
Issue Date: 6/4/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: OTTAWA CITY
HAWTHORNE RD.,LOT 1, CONC. 5 OTTAWA CITY ON

Database:
CA

Certificate #: 3-0678-93-
Application Year: 93
Issue Date: 6/30/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: Hawthorne Avenue Ottawa ON

Database:
CA

Certificate #: 3628-4JKJGL

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

Certificate #: 7616-4JKHU9
Application Year: 00
Issue Date: 4/28/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Corporation of the City of Ottawa
Client Address:: 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
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:: Construction of a Watermain on Argyle Avenue
Contaminants::
Emission Control::

Site: Argyle Avenue Ottawa ON

Database:
CA

Certificate #: 2785-4LNQUF
Application Year: 00
Issue Date: 7/6/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Corporation of the City of Ottawa
Client Address:: 111 Sussex Drive, 7th Floor
Client City:: Ottawa
Client Postal Code:: K1N 5A1
Project Description:: Combined Sewers
Contaminants::

Emission Control::

Site: R.M. OF OTTAWA-CARLETON
QUEEN ELIZABETH DR./PRETORIA OTTAWA CITY ON

Database:
CA

Certificate #: 7-0179-99-
Application Year: 99
Issue Date: 4/9/1999
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: OTTAWA CITY
QUEEN ELIZABETH DRIVEWAY OTTAWA CITY ON

Database:
CA

Certificate #: 3-1225-89-
Application Year: 89
Issue Date: 6/27/1989
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
Approval Date: 2012-05-22
Status: Approved
Record Type: ECA
Link Source: IDS
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: (Highway 417 to 170 m north of Baseline Road)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5034-8U6NTS-14.pdf>

SWP Area Name:
MOE District:
City: Ottawa
Longitude:
Latitude:

Site: Highway 417, CN Rail Ottawa ON

Database:
EHS

Order ID: 62037
Order No: 20051017044
Customer ID: 44527
Company ID: 33445
Status: C
Report Code: 1CAN
Report Type: Site Report
Report Date: 10/18/2005
Report Requested by: SM Environnement

Date Received: 10/17/2005
Lot/Building Size:
Municipality:
Client Prov/State: QC
Search Radius (km): 0.25
Large Radius: 2
X:
Y:

Nearest Intersection:
Previous Site Name:
Additional Info Ordered:

Site: Hwy 417 Ottawa ON **Database:** EHS

Order ID: 207153 **Date Received:** 5/9/2012
Order No: 20120509053 **Lot/Building Size:**
Customer ID: 58127 **Municipality:**
Company ID: 50 **Client Prov/State:** ON
Status: C **Search Radius (km):** 0.25
Report Code: 4CAN **Large Radius:** 0.25
Report Type: Custom Report **X:** -75.670099
Report Date: 5/16/2012 **Y:** 1
Report Requested by: Golder Associates Ltd.
Nearest Intersection:
Previous Site Name:
Additional Info Ordered:

Site: Airport Golfland Parkway Farm **Database:** GEN
Parkway RR#2 Metcalfe Ottawa ON K0A 2P0

Generator No.: ON6445050 **PO Box No.:** 8482
Status: Registered **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--
Waste Code: 252 L
Waste Description: Waste crankcase oils and lubricants

Site: Airport Golfland **Database:** GEN
Parkway RR#2 Metcalfe Ottawa ON K0A 2P0

Generator No.: ON6445050 **PO Box No.:**
Status: **Country:** Canada
Approval Years: 2016 **Choice of Contact:** CO_ADMIN
Contam. Facility: No **Co Admin:** Kevin G Patterson
MHSW Facility: No **Phone No. Admin:** 613- 821-3604 Ext.
SIC Code: 238910, 111110
SIC Description: SITE PREPARATION CONTRACTORS, 111110

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

Site: Airport Golfland **Database:** GEN
Parkway RR#2 Metcalfe Ottawa ON K0A 2P0

Generator No.: ON6445050 **PO Box No.:**
Status: **Country:** Canada
Approval Years: 2015 **Choice of Contact:** CO_ADMIN
Contam. Facility: No **Co Admin:** Kevin G Patterson
MHSW Facility: No **Phone No. Admin:** 613- 821-3604 Ext.
SIC Code: 238910, 111110
SIC Description: SITE PREPARATION CONTRACTORS, 111110

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **Airport Golfland**
Parkway RR#2 Metcalfe Ottawa ON K0A 2P0

Database:
GEN

Generator No.: ON6445050
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 238910, 111110
SIC Description: SITE PREPARATION CONTRACTORS, 111110

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Kevin G Patterson
Phone No. Admin: 613- 821-3604 Ext.

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **PITTS ENGINEERING CONSTRUCTION**
BANISTER CONT. LTD. C/O BOX 8008 OTTAWA TERMINAL HURDMAN BRIDGE AT HWY. 417 OTTAWA-CARLETON ON K1G 3H6

Database:
GEN

Generator No.: ON0760802
Status:
Approval Years: 86,87,88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

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

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **GOLDER ASSOCIATES INC.**
ABBOTSFORD ROAD OTTAWA ON K2L 1C6

Database:
GEN

Generator No.: ON6252247
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 237990
SIC Description: OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION

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

--Details--

Waste Code: 221
Waste Description: LIGHT FUELS

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

Database:
GEN

Generator No.: ON0760802
Status:
Approval Years: 92,93,94,95,96
Contam. Facility:
MHSW Facility:

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

SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **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

Database:
GEN

Generator No.: ON0760802
Status:
Approval Years: 97,98
Contam. Facility:
MHSW Facility:
SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

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

--Details--

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: **City Of Ottawa**
Hawthron & Elgin City of Ottawa ON K1S 1N1

Database:
GEN

Generator No.: ON7219892
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Steve Showler
Phone No. Admin: 613-564-8026 Ext.

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: **City Of Ottawa Public Works**
Hawthron & Elgin City of Ottawa ON K1S 1N1

Database:
GEN

Generator No.: ON7219892
Status: Registered
Approval Years: As of Dec 2017
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

--Details--

Waste Code: 251 L
Waste Description: Waste oils/sludges (petroleum based)

Site: **City Of Ottawa**
Hawthron & Elgin City of Ottawa ON K1S 1N1

Database:
GEN

Generator No.: ON7219892
Status:
Approval Years: 2015

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN

Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

Co Admin: Rick Jadowski
Phone No. Admin: 613-580-2424 Ext.34228

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: **City Of Ottawa**
Hawthron & Elgin City of Ottawa ON K1S 1N1

Database:
GEN

Generator No.: ON7219892
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 913910
SIC Description: 913910

PO Box No.:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Rick Jadowski
Phone No. Admin: 613-580-2424 Ext.34228

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: **Ecoplans Limited**
Highway 417 West onramp accessed off Moodie Drive Ottawa ON K2H 8G3

Database:
GEN

Generator No.: ON3922236
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 541620
SIC Description: Environmental Consulting Services

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

--Details--
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: **PUBLIC WORKS CANADA**
LORNE BUILDING ELGIN STREET OTTAWA ON

Database:
NPCB

Company Code: O3082
Industry: PUBLICS WORKS CANADA
Site 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

Database:
NPCB

Company Code: O3082
Industry: Public Works Canada
Site Status:
Transaction Date: 10/11/1991
Inspection Date: 3/14/1991

Site: **Database:**
SPL

HIGHWAY 417 EASTBOUND, EAST OF ROCKDALE EXIT<UNOFFICIAL> Ottawa ON

Ref No: 2415-6M4SUB
Site No:
Incident Dt: 2/17/2006
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: Not specified 12
Environment Impact: Not Anticipated
Nature of Impact: Human Health/Safety; Other Impact(s); Soil Contamination
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/17/2006
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason: Equipment Failure
Incident Summary: Hwy 417 eastbound, 36 vehicle MVA - operating fluid to grnd

Discharger Report:
Material Group: Oils
Client Type:
Sector Type: Other Motor Vehicle
Source Type:
Nearest Watercourse:
Site Name:
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: TRANSPORT TRUCK
HWY 417 BETWEEN NICOLAS AND VANIER PARKWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No: 240047
Site No:
Incident Dt: 9/20/2002
Year:
Incident Cause: BLADDER FAILURE
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: LAND, WATER
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/20/2002
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Incident Summary: MOLSON'S:300L DIESEL TO GRD,50L TO SEWER, CONTAINED AND CLEANING

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
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: Loblaw Properties Limited
Loblaws Ottawa ON

Database:
SPL

Ref No: 2287-7FNKE6
Site No:
Incident Dt:
Year:
Incident Cause: Discharge or Emission to Air

Discharger Report:
Material Group:
Client Type:
Sector Type: Other
Source Type:

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 Pollution	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	NA
Health/Env Conseq:		Easting:	NA
MOE Response:	No Field Response	Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	6/16/2008	Site Map Datum:	
Dt Document Closed:	9/8/2008		
Agency Involved:			
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.		

Site: *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 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:	Referral to others	Site 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.
near the 417 underpass going eastbound approximately 1 km west of the Moodie Drive exit, crossing a railroad track Ottawa ON* **Database:**
SPL

Ref No:	7613-96MQJ2	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	10-APR-13	Client Type:	
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>
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

Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	40 L	Site Region:	
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
Hawthorne Huntclub Loop Ottawa ON

Database:
SPL

Ref No:	5401-AFTQVP	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	2016/11/18	Client Type:	
Year:		Sector Type:	Other
Incident Cause:		Source Type:	
Incident Event:	Leak/Break	Nearest Watercourse:	
Contaminant Code:	27	Site Name:	Roadside and CB<UNOFFICIAL>
Contaminant Name:	COOLANT (N.O.S.)	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:	Land	Northing:	5022009
Health/Env Conseq:		Easting:	448861
MOE Response:	No	Site Geo Ref Accu:	GPS
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	2016/11/18	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Primary Assessment of Spills		
Incident Reason:	Equipment Failure		
Incident Summary:	OC Transpo: 15 glycol to road / CB, cleaning		

Site: Hawthorne Loop, Hawthorne Road and Hunt Club Road Ottawa ON

Database:
SPL

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:	
Incident Event:	Leak/Break	Nearest Watercourse:	
Contaminant Code:	27	Site Name:	Bus failure site<UNOFFICIAL>
Contaminant Name:	COOLANT N.O.S.	Site Address:	Hawthorne Loop, Hawthorne Road and Hunt Club Road
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:		Site Municipality:	Ottawa
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	

Receiving Env: Land
Health/Env Conseq:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/03/14
Dt Document Closed:
Agency Involved:
SAC Action Class: Land Spills
Incident Reason: Equipment Failure
Incident Summary: OC Transpo: 10 L coolant to road, CB, clng

Northing: 5024679
Easting: 453225
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: UNKNOWN
HAWTHORNE RD OTTAWA CITY ON

Database:
SPL

Ref No: 142710
Site No:
Incident Dt: 6/26/1997
Year:
Incident Cause: UNKNOWN
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/26/1997
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason: UNKNOWN
Incident Summary: UNKNOWN SOURCE:50L ACID SPILLED TO MUNICIPAL ROAD.

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: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: Hawthorne Rd btw Stevenage Dr and Ages Dr Ottawa ON

Database:
SPL

Ref No: 4076-8G2SX2
Site No:
Incident Dt: 4/18/2011
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 250 L
Environment Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: No Further Response (PR-PIR Table A)
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/18/2011
Dt Document Closed: 4/28/2011
Agency Involved:
SAC Action Class: Watercourse Spills

Discharger Report:
Material Group:
Client Type:
Sector Type: Tank Truck
Source Type:
Nearest Watercourse:
Site Name: Hawthorne Rd<UNOFFICIAL>
Site Address: Hawthorne Rd btw Stevenage Dr and Ages Dr
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Incident Reason: Equipment/Vehicles
Incident Summary: Diesel Spill 250L's to rd and cb

Site: HAWTHORNE RD, JUST SOUTH OF LEITRIM RD.<UNOFFICIAL> Ottawa ON **Database:** SPL

Ref No: 6807-62AKB9 **Discharger Report:**
Site No: **Material Group:** Oil
Incident Dt: 6/25/2004 **Client Type:**
Year: **Sector Type:** Other Motor Vehicle
Incident Cause: Other Discharges **Source Type:**
Incident Event: **Nearest Watercourse:**
Contaminant Code: 15 **Site Name:** HAWTHORNE RD, JUST SOUTH OF LEITRIM 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
Environment Impact: Not Anticipated **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: 6/25/2004 **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 Highway 417 West of Eagleson Rd Ottawa ON **Database:** SPL

Ref No: 2847-5NPPU5 **Discharger Report:**
Site No: **Material Group:** Oil
Incident Dt: 6/20/2003 **Client Type:**
Year: **Sector Type:**
Incident Cause: Container Leak (Fuel Tank Barrels) **Source Type:**
Incident Event: **Nearest Watercourse:**
Contaminant Code: 13 **Site Name:** THERMASHELL TRUCK<UNOFFICIAL>
Contaminant Name: FUEL 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: **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:**
MOE Reported Dt: 6/20/2003 **Site Map Datum:**
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. Highway 417(westbound) and Moodie Drive ramp Ottawa ON **Database:** SPL

Ref No:	4124-6DJQGX	Discharger Report:	0
Site No:		Material Group:	Oil
Incident Dt:	6/20/2005	Client Type:	
Year:		Sector Type:	Transport Truck
Incident Cause:	Other Transport Accident	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:		Site Name:	50 L diesel to shoulder<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:		Site Region:	
Environment Impact:	Not Anticipated	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:	6/20/2005	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.		

Site: TRANSPORT TRUCK
HWY 417 AT MILE MARKER 5, EASTBOUND MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON **Database:** SPL

Ref No:	233267	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	7/25/2002	Client Type:	
Year:		Sector Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	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:	POSSIBLE	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:			
Agency Involved:	OPP,MTO		
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	BELFAST FRUIT INC. MVA PUT TRUCK IN DITCH. DIE-SEL FROM SADDLE TANKS.		

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

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:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	15	Site Name:	HWY 417 ONRAMP AT TERRY FOX

Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 68 L
Environment Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/24/2003
Dt Document Closed:
Agency Involved:
SAC Action Class: Spill to Land
Incident Reason:
Incident Summary: Dundas Drilling- 68 L hydr.oil to ditch, cleaning

EXIT<UNOFFICIAL>
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: **Ferguson Fuels<UNOFFICIAL>**
HWY 417 EASTBOUND AT THE EAGLESON OFF RAMP<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No: 2342-6QAQYF
Site No:
Incident Dt: 5/30/2006
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 60 L
Environment Impact: Confirmed
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/30/2006
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason:
Incident Summary: Ferguson Fuels ~60 L diesel spill, Hwy 417, Eagleson exit

Discharger Report:
Material Group: Oils
Client Type:
Sector Type: Other Motor Vehicle
Source Type:
Nearest Watercourse:
Site Name:
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
SPL

Ref No: 1683-5S3Q8B
Site No:
Incident Dt: 10/6/2003
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 60 L
Environment Impact: Possible

Discharger Report:
Material Group: Oil
Client Type:
Sector Type: Other
Source Type:
Nearest Watercourse:
Site Name: HYDRAULIC OIL LEAK - HWY. 417 - OTTAWA<UNOFFICIAL>
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa

Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/6/2003
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 Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
 SPL

Ref No: 0881-5HS47B
Site No:
Incident Dt: 1/13/2003
Year:
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Event:
Contaminant Code: 13

Discharger Report:
Material Group: Oil
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name: TERRY FOX DRIVE AT THE HWY. 417
 OVERPASS<UNOFFICIAL>

Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 180 L
Environment Impact: Not Anticipated

Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa

Nature of Impact:
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/13/2003
Dt Document Closed:

Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Ref No: 172543
Site No:
Incident Dt: 9/10/1999
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name:

Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: NOT ANTICIPATED

Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: 20101

Nature of Impact:
Receiving Medium: LAND
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/10/1999

Site Lot:
Site Conc:
Northing:
Easting: FD
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Dt Document Closed:

Agency Involved:

SAC Action Class:

Incident Reason:

Incident Summary:

ADVERSE ROAD CONDITION

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

Ref No:	191523	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	12/4/2000	Client Type:	
Year:		Sector Type:	
Incident Cause:	TRUCK/TRAILER OVERTURN	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:	POSSIBLE	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:	12/4/2000	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			
Incident Reason:	OTHER		
Incident Summary:	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

Database:
SPL

Ref No:	8781-6L7M7T	Discharger Report:	
Site No:		Material Group:	Oils
Incident Dt:	1/19/2006	Client Type:	
Year:		Sector Type:	Other Motor Vehicle
Incident Cause:		Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	15	Site Name:	
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:	200 L	Site Region:	
Environment Impact:	Not Anticipated	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:	1/19/2006	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			
Incident Reason:			
Incident Summary:	HWY 417: garbage truck fire, 45 gal hyd. oil to road		

Site: Wilway Transport<UNOFFICIAL>
Highway 417 eastbound, panmure exit(exit 162) MVA - HIGHWAY 417 EASTBOUND AT PANMURE EXIT (EXIT 163)<UNOFFICIAL> Ottawa ON

Database:
SPL

Ref No: 5853-6SC638
Site No:
Incident Dt: 8/3/2006
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 50 L
Environment Impact: Confirmed
Nature of Impact: Soil Contamination; Vegetation Damage
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 8/3/2006
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason: Equipment/Vehicles
Incident Summary: MVA: Hwy 417 eastbnd, Panmure exit, diesel to median

Discharger Report:
Material Group: Oils
Client Type:
Sector Type: Transport Truck
Source Type:
Nearest Watercourse:
Site Name: HIGHWAY 417 EASTBOUND, PANMURE EXIT(EXIT 162)
Site Address: HIGHWAY 417 EASTBOUND, PANMURE EXIT(EXIT 162)
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: City of Ottawa
Vanier Parkway South of Hwy 417 Ottawa ON

Database:
SPL

Ref No: 1107-A97JW2
Site No: NA
Incident Dt: 2016/04/20
Year:
Incident Cause:
Incident Event: Dumping
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 other - see incident description
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Surface Water
Health/Env Conseq:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/04/20
Dt Document Closed:
Agency Involved:
SAC Action Class: Watercourse Spills
Incident Reason: Operator/Human Error
Incident Summary: Ottawa oil in sewer collection system

Discharger Report:
Material Group:
Client Type:
Sector Type: Miscellaneous Communal
Source Type:
Nearest Watercourse:
Site Name: Hurdman Oil Water Separator<UNOFFICIAL>
Site Address: Vanier Parkway South of Hwy 417
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: LECLAIR FUELS LTD.
HWY 417 BTWN INNIS & PKWY TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 4525
Site No:
Discharger Report:
Material Group:

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 Scrn:		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: 417 EASTBOUND - NICHOLAS ON RAMP<UNOFFICIAL> Ottawa ON **Database:** SPL

Ref No:	1151-5R4LZR	Discharger Report:	
Site No:		Material Group:	Oil
Incident Dt:	9/5/2003	Client Type:	
Year:		Sector Type:	Other
Incident Cause:	Other Discharges	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	13	Site Name:	417 EASTBOUND - NICHOLAS ON 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:	Land	Site Conc:	
Receiving Env:		Northing:	
Health/Env Conseq:		Easting:	
MOE Response:		Site Geo Ref Accu:	
Dt MOE Arvl on Scrn:		Site Geo Ref Meth:	
MOE Reported Dt:	9/5/2003	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			
Incident Reason:	Other - Reason not otherwise defined		
Incident Summary:	Hwy 417 - diesel spill		

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

Ref No:	1301-6XAFSY	Discharger Report:	
Site No:		Material Group:	Oil
Incident Dt:		Client Type:	
Year:		Sector Type:	Other Motor Vehicle
Incident Cause:	Other Transport Accident	Source Type:	
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:	

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 150 L
Environment Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Receiving Env:
Health/Env Conseq:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/9/2007
Dt Document Closed: 2/23/2007
Agency Involved:
SAC Action Class:
Incident Reason:
Incident Summary: Andleaur Transp & S. 21(1)(f) - 150 L diesel to Hwy and sewer

Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
SPL

Ref No: 6127-8K6T47
Site No:
Incident Dt: 7/27/2011
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 10 L
Environment Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/27/2011
Dt Document Closed:
Agency Involved:
SAC Action Class: Highway Spills (usually highway accidents)
Incident Reason: Equipment/Vehicles
Incident Summary: 10 L's of motor oil to Queensway, cleaned

Discharger Report:
Material Group:
Client Type:
Sector Type: Motor Vehicle
Source Type:
Nearest Watercourse:
Site Name: Queensway Hwy 417<UNOFFICIAL>
Site Address: Hwy 417 Westbound near Carling off-ramp
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: **Ottawa LRT <UNOFFICIAL>**
Hwy 417 near Lees Avenue Ottawa ON

Database:
SPL

Ref No: 0640-9MYHCJ
Site No: NA
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
Nature of Impact: Soil Contamination
Receiving Medium:

Discharger Report:
Material Group:
Client Type:
Sector Type: Pipeline/Components
Source Type:
Nearest Watercourse:
Site Name: highway construction site Hwy 417 at Hurdman Bridge<UNOFFICIAL>
Site Address: Hwy 417 near Lees Avenue
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:

Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/08/14
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

Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
 SPL

Ref No: 8553-8S9HPE
Site No:
Incident Dt: 10-MAR-12
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: Not Anticipated
Nature of Impact: Other Impact(s); Soil Contamination
Receiving Medium: Sewage - Municipal/Private and Commercial
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

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name: Transport Truck Accident<UNOFFICIAL>
Site Address: Hwy 417 Eastbound @ Mile Marker 180
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: Tomlinson Environmental Services Ltd.; SNC-Lavalin Constructors (Pacific) Inc
 Highway 417 at Hurdman Bridge Ottawa ON

Database:
 SPL

Ref No: 1322-9K2JFE
Site No: NA
Incident Dt: 2014/05/07
Year:
Incident Cause: Leak/Break
Incident Event:
Contaminant Code: 41
Contaminant Name: WATER/SEDIMENT
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 5 L
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: Drilling Operation
Source Type:
Nearest Watercourse:
Site Name: OLRT: Highway 417 @ Hurdman Bridge<UNOFFICIAL>
Site Address: Highway 417 at Hurdman Bridge
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

SAC Action Class: Watercourse Spills
Incident Reason: Unknown / N/A
Incident Summary: OLRT: Spill of Concrete Drilling Fluid to Hwy 417 CB

Site: Hwy 417 at Hurdman Bridge, SW Corner Ottawa ON

Database:
SPL

Ref No:	6747-9RDR6G	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	2014/12/01	Client Type:	
Year:		Sector Type:	Unknown / N/A
Incident Cause:	Unknown / N/A	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	13	Site Name:	Ottawa LRT Project <UNOFFICIAL>
Contaminant Name:	HYDROCARBON LIGHT	Site Address:	Hwy 417 at Hurdman Bridge, SW Corner
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	4 L	Site Region:	
Environment Impact:		Site Municipality:	Ottawa
Nature of Impact:	Land	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	5029450
Health/Env Conseq:		Easting:	448057
MOE Response:	N	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: Hwy 417 to the corner of Rideau and King Edward Ottawa ON

Database:
SPL

Ref No:	5750-74BMWG	Discharger Report:	
Site No:		Material Group:	Oil
Incident Dt:		Client Type:	
Year:		Sector Type:	Transport Truck
Incident Cause:	Unknown	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	15	Site Name:	Oil Spill on the road<UNOFFICIAL>
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)	Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	50 L	Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)	Site Lot:	
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		

Site: Hwy 417 Under Overpass @ Castlefrank Road Ottawa ON

Database:
SPL

Ref No: 7705-67XN2B
Site No:
Incident Dt: 12/22/2004
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact: Confirmed
Nature of Impact: Groundwater Pollution; Other Impact(s); Soil Contamination; Surface Water Pollution
Receiving Medium: Land & Water
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/23/2004
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason: Weather
Incident Summary: MVA: 200L diesel to Ditch

Discharger Report:
Material Group: Oil
Client Type:
Sector Type: Transport Truck
Source Type:
Nearest Watercourse:
Site Name: MVA<UNOFFICIAL>
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: 417 eastbound, east of exit 104 Ottawa ON

Database:
 SPL

Ref No: 2172-9F4M4N
Site No:
Incident Dt: 2014/01/06
Year:
Incident Cause: Leak/Break
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 100 L
Environment Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/01/06
Dt Document Closed:
Agency Involved:
SAC Action Class: Land Spills
Incident Reason: Weather Conditions
Incident Summary: Day & Ross: diesel on Hwy 417 exit 104

Discharger Report:
Material Group:
Client Type:
Sector Type: Motor Vehicle
Source Type:
Nearest Watercourse:
Site Name: MVA<UNOFFICIAL>
Site Address: 417 eastbound, east of exit 104
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
 SPL

Ref No: 5074-6J2RLX
Site No:
Incident Dt: 11/11/2005
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Discharger Report: 0
Material Group: Chemical
Client Type:
Sector Type: Other Motor Vehicle
Source Type:
Nearest Watercourse:

Contaminant Code:		Site Name:	Bus # 6070 antifreeze leak<UNOFFICIAL>
Contaminant Name:	ETHYLENE GLYCOL (ANTIFREEZE)	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:	
Environment Impact:	Confirmed	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:	11/11/2005	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Land Spills		
Incident Reason:	Unknown - Reason not determined		
Incident Summary:	OC Transpo (Ottawa): 20L antifreeze to grnd, cng		

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

Ref No:	8444-9FTKCZ	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	2014/01/29	Client Type:	
Year:		Sector Type:	Unknown / N/A
Incident Cause:	Unknown / N/A	Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	99	Site Name:	Construction job site<UNOFFICIAL>
Contaminant Name:	WATER	Site Address:	central transit way adjacent to hwy 417 between nicholas ave and lees ave
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	200 L	Site Region:	
Environment Impact:	Confirmed	Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution	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:	
MOE Reported Dt:	2014/01/29	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Land Spills		
Incident Reason:	Unknown / N/A		
Incident Summary:	RW Tomlinson: Dewatering to CB,		

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

Ref No:	6748-7X7R4U	Discharger Report:	
Site No:		Material Group:	
Incident Dt:		Client Type:	
Year:		Sector Type:	
Incident Cause:		Source Type:	
Incident Event:		Nearest Watercourse:	
Contaminant Code:	46	Site Name:	HWY 417 at Vars Bridge<UNOFFICIAL>
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:	
Contaminant Qty:	30 L	Site Region:	
Environment Impact:	Not Anticipated	Site Municipality:	

Nature of Impact:
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/26/2009
Dt Document Closed: 1/8/2010
Agency Involved:
SAC Action Class: Highway Spills (usually highway accidents)
Incident Reason:
Incident Summary: Motor Vehicle-30 L Used Motor Oil to Hwy 417.

Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
SPL

Ref No: 0000-5NA2HN
Site No:
Incident Dt: 6/6/2003
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13

Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 50 L
Environment Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land

Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/6/2003
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

Discharger Report:
Material Group: Oil
Client Type:
Sector Type: Transport Truck
Source Type:
Nearest Watercourse:
Site Name: HWY 417 - WOODROFFE W. BND, ON-RAMP<UNOFFICIAL>

Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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

Database:
SPL

Ref No: 5066-7B6KDT
Site No:
Incident Dt:
Year:
Incident Cause: Other Transport Accident
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 250 L
Environment Impact: Not Anticipated
Nature of Impact:

Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/24/2008

Discharger Report:
Material Group:
Client Type:
Sector Type: Transport Truck
Source Type:
Nearest Watercourse:
Site Name: MVA of a 10 ton truck<UNOFFICIAL>

Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Dt Document Closed: 2/22/2008
Agency Involved:
SAC Action Class: Highway Spills (usually highway accidents)
Incident Reason: Unknown - Reason not determined
Incident Summary: TT MVA- >250L diesel HWY 417 W/ Drain-all to clean up spill.

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

Database:
SPL

Ref No:	5218-5LGE4L	Discharger Report:	
Site No:		Material Group:	Oil
Incident Dt:	4/10/2003	Client Type:	
Year:		Sector Type:	Transport Truck
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:	Ottawa
Contam Limit Freq 1:		Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	100 L	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:	
MOE Reported Dt:	4/10/2003	Site Map Datum:	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Spill to Highway (Accident)		
Incident Reason:			
Incident Summary:	Summit Food: truck diesel to shoulder. contained		

Site: **TRANSPORT TRUCK**
QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No:	224201	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	4/19/2002	Client Type:	
Year:		Sector Type:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	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:	CONFIRMED	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:	ERROR		
Incident Summary:	LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.		

Site: UNKNOWN
BLAIR STATION AND QUEENSWAY OTTAWA CITY ON

Database:
SPL

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:		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:	POSSIBLE	Site Municipality:	20107
Nature of Impact:	Water course or lake	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:	9/11/2002	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: QUEENSWAY EASTBOUND AT METCALFE \ OTTAWA CITY ON

Database:
SPL

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:		Site Geo Ref Accu:	
Dt MOE Arvl on Scn:		Site Geo Ref Meth:	
MOE Reported Dt:	12/2/1998	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 - in front of IKEA)<UNOFFICIAL>
Ottawa ON

Database:
SPL

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

Incident Cause: Pipe Or Hose Leak
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
Nature of Impact:
Receiving Medium: Land
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/12/2005
Dt Document Closed:
Agency Involved:
SAC Action Class: Land Spills
Incident Reason: Unknown - Reason not determined
Incident Summary: Loblaws: 10 to 15 L diesel to road/parking lot

Source Type:
Nearest Watercourse:
Site Name: Queensway, from Greenbank Exit to 1735 Iris Road
Site Address:
Site District Office: Ottawa
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

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:

Private [AUWR](#)

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

Government Publication Date: 1999-Jul 31, 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

Chemical Register:

Private **CHEM**

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

Government Publication Date: 1999-Jul 31, 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

Drill Hole Database:

Provincial **DRL**

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

Government Publication Date: 1886-Nov 30, 2017

Dry Cleaning Facilities:

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**

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**

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

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

Government Publication Date: Jun 2000-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

FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Provincial

FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

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

Government Publication Date: 1986-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

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial [INC](#)

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial [LIMO](#)

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

Government Publication Date: 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](#)

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

OGGW

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*

Pesticide Register:

Provincial [PES](#)

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

Government Publication Date: 1988-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](#)

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 **SCT**

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial **SPL**

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

Government Publication Date: 1988-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**

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**

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](#)

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

Government Publication Date: Dec 31, 2017

Definitions

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

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

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

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

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

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

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

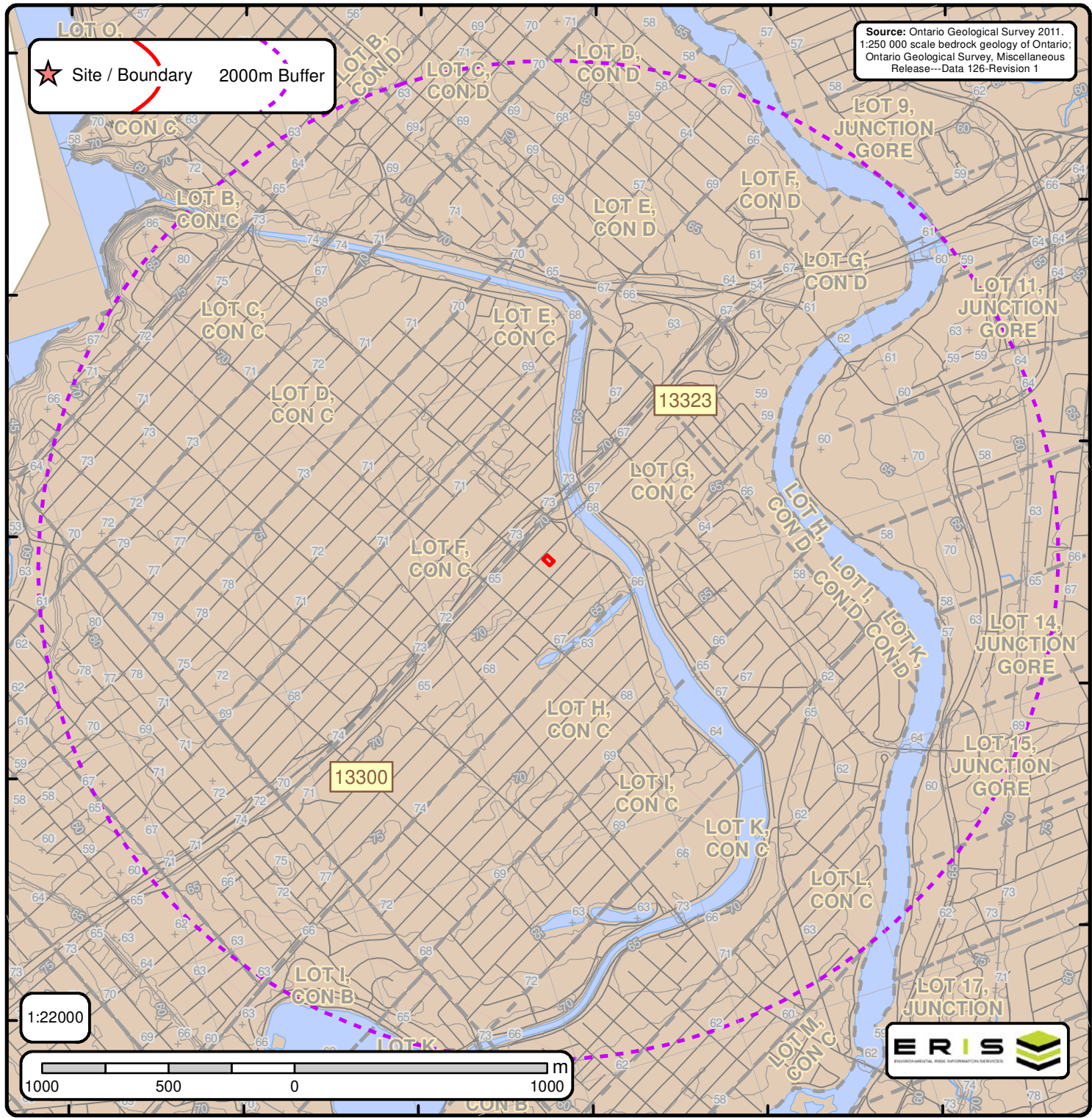
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

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

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

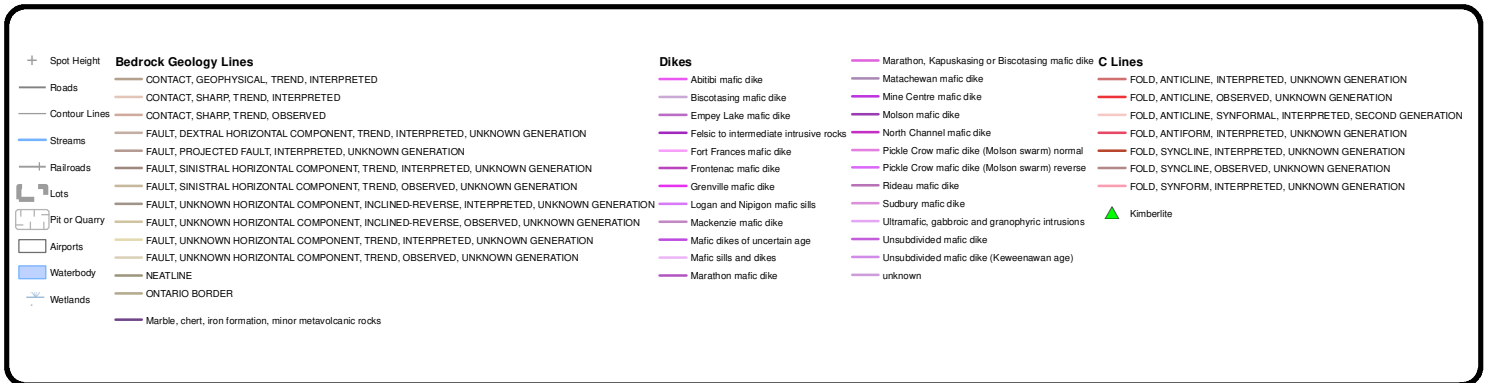
The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

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



Bedrock Geology of Ontario

Order No. 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):**



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)
NEOARCHEAN (2.5 Ga to 2.8 Ga)	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 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:

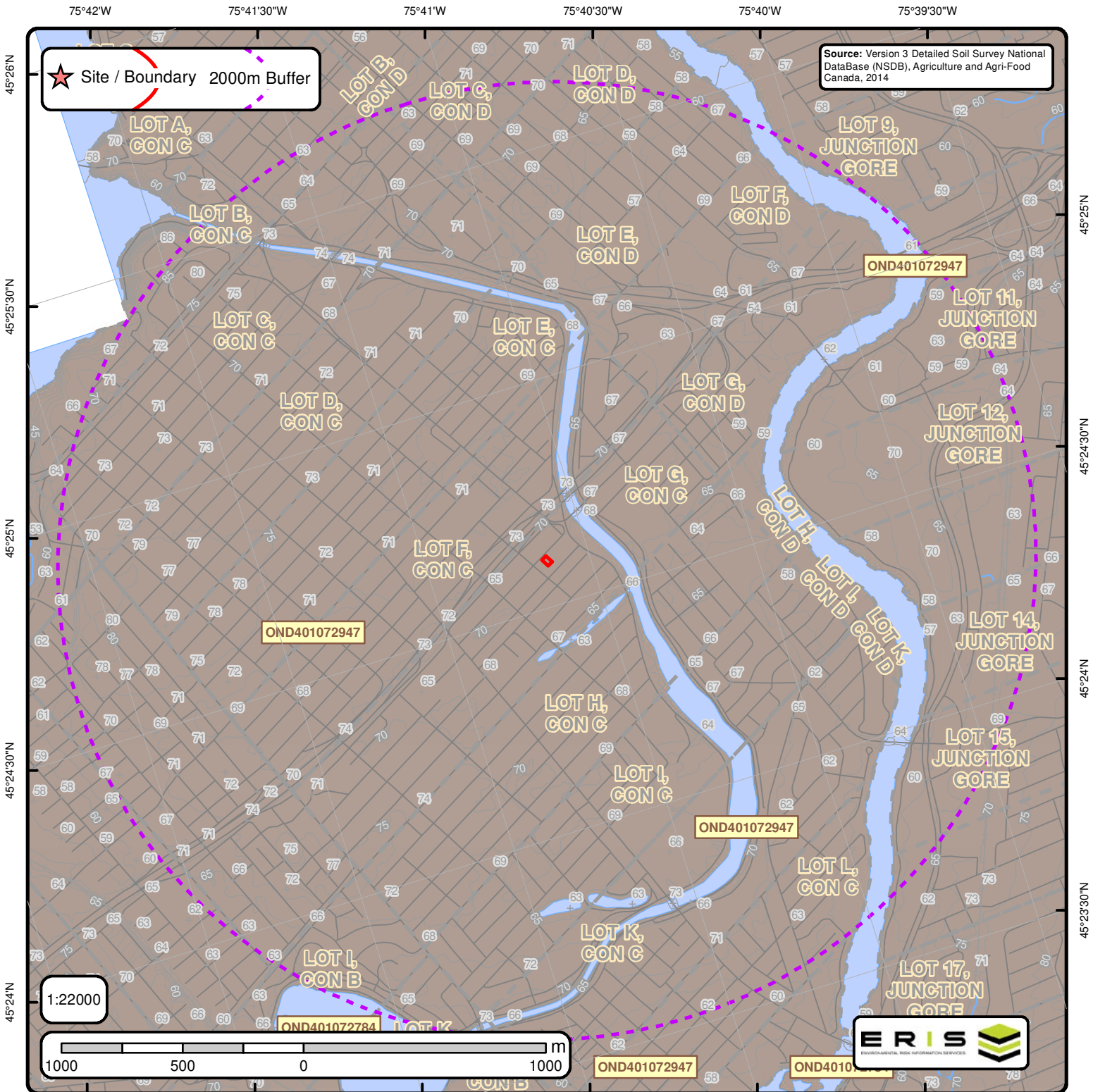
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

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

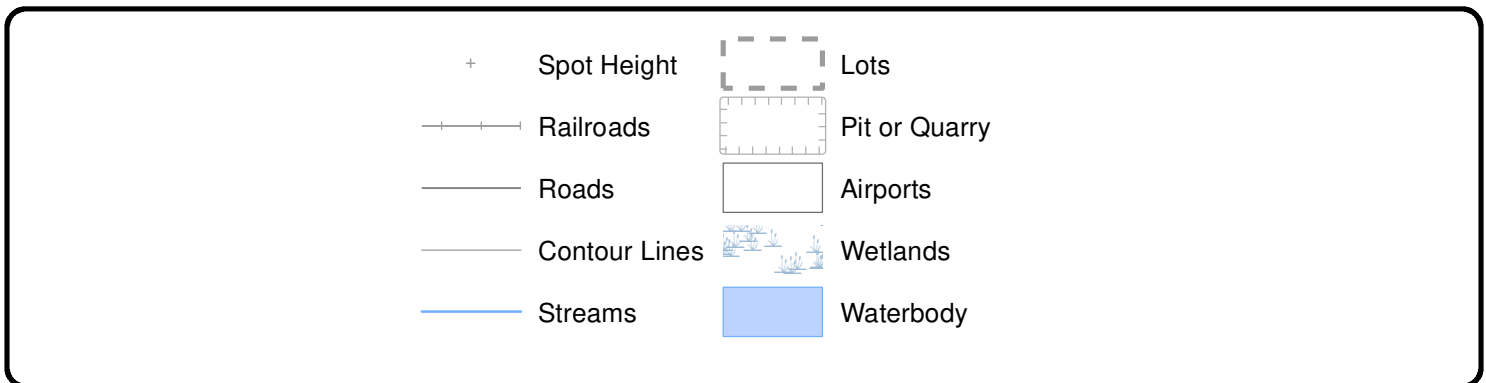
Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE



Detailed Soil Survey (ON Soils)

Order No. 20180911009





Soils Report

Soil Map Units Found within 2000 m of
28 & 30 Pretoria Avenue, Ottawa, ON, K1S

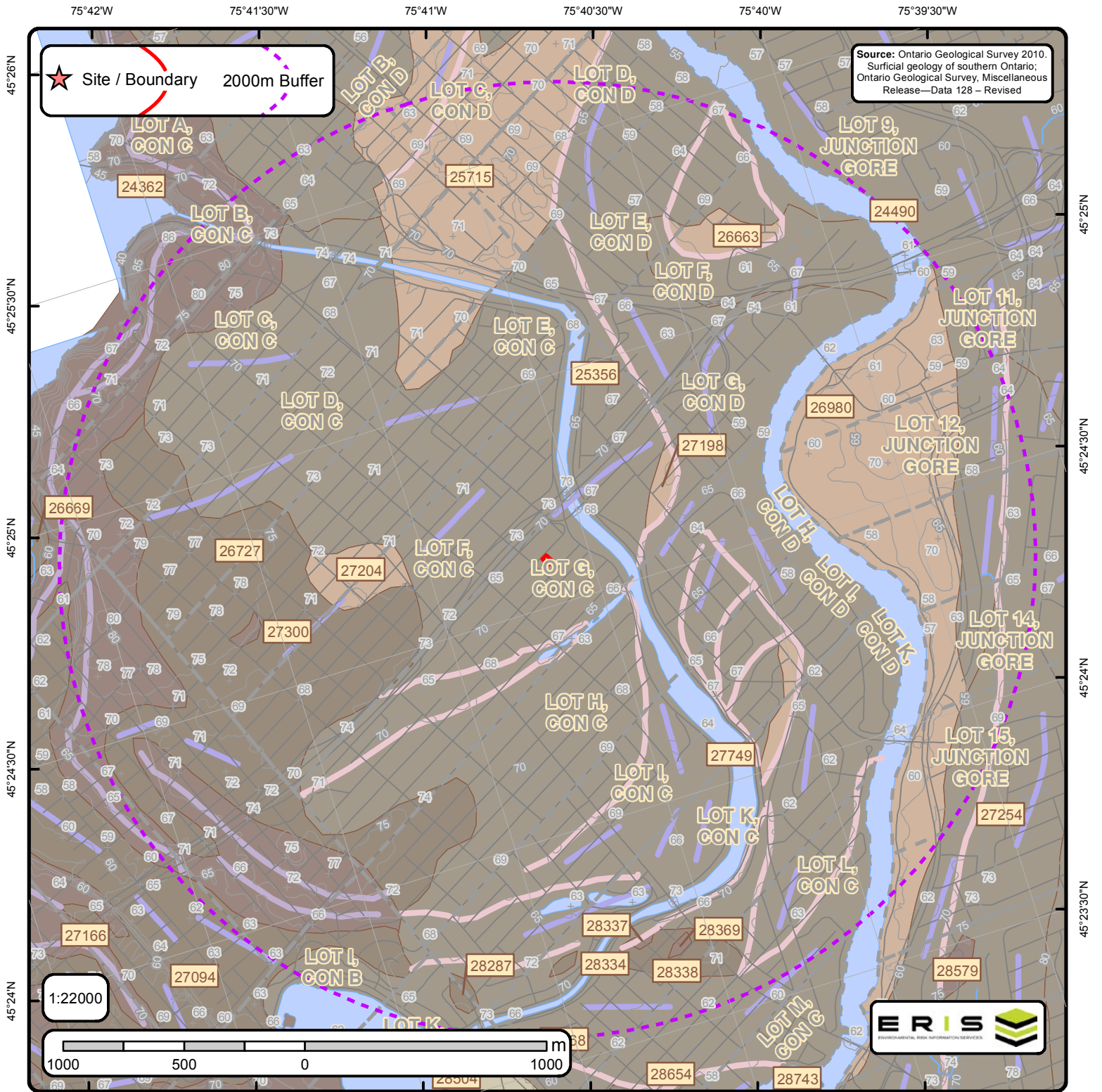


Soil ID: OND401072784

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 Characteristics** : 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 | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |



The Surficial Geology of Southern Ontario Order No. 20180911009

+	Spot Height		Streams		Dune		Beach		Esker		karst		pitsg
	Waterbody		Contour Lines		Lake		Bluff		Esker ND		linfeat		popup
	Wetlands		Roads		Rib		Crevasse		Fluvial DL		megarip		ribl
	Airports		Railroads		Scab		Crest		fluvndl		mfluvdl		slidell
	Pit or Quarry		Morains		Slide		End		iceberg		mfluvndl		slumpb
	Lots				NOF Dune		Escarpment		icslope		moraine		terrace



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 occurring 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 blue-grey; 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 blue-grey; 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.



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 Modifier:** modern floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Silty sand, silt, sand and clay; deposits of present floodplains and of alluvial fans in areas of low relief.

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.



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 blue-grey; 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 occurring 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



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 occurring 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.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



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).

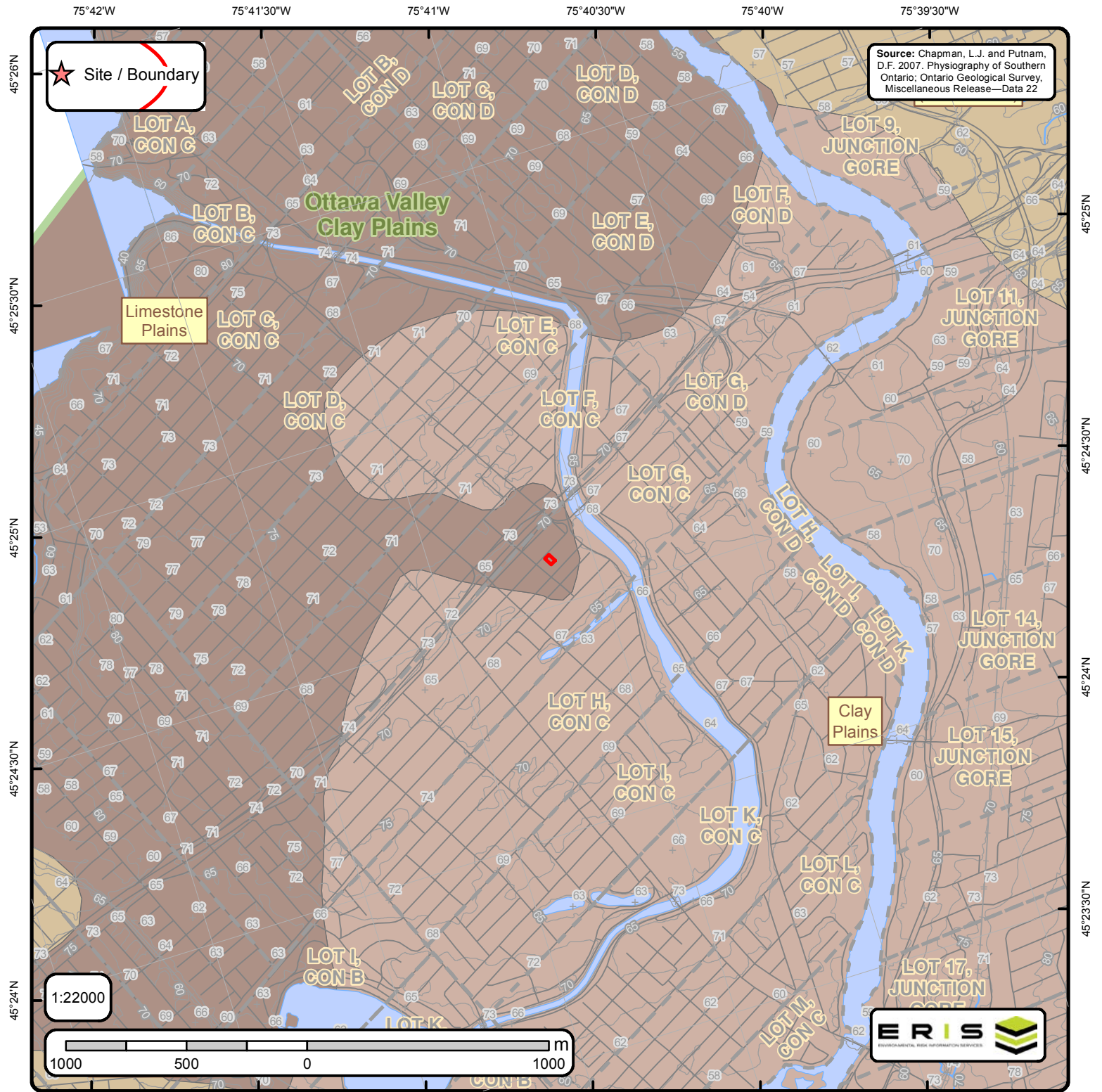
Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

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.

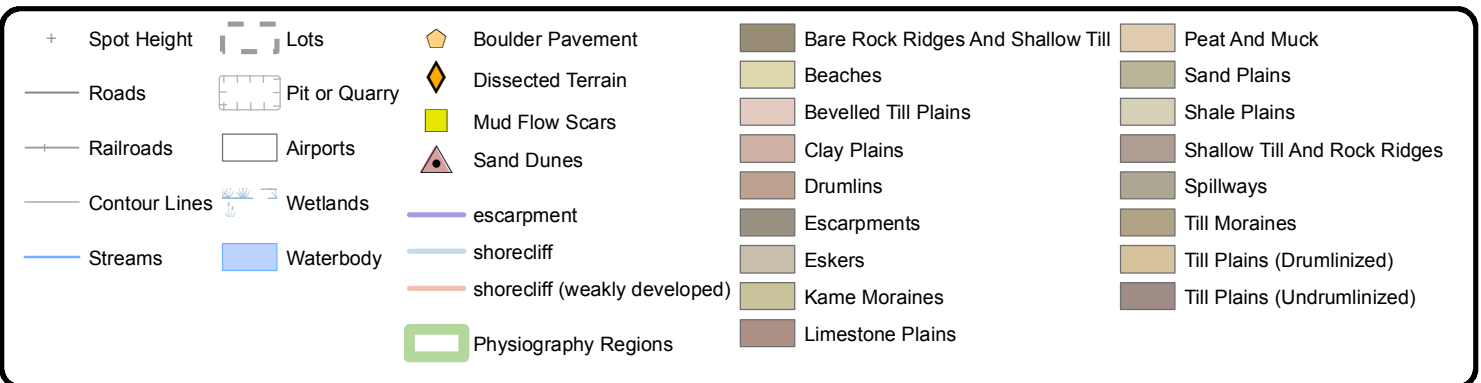
Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

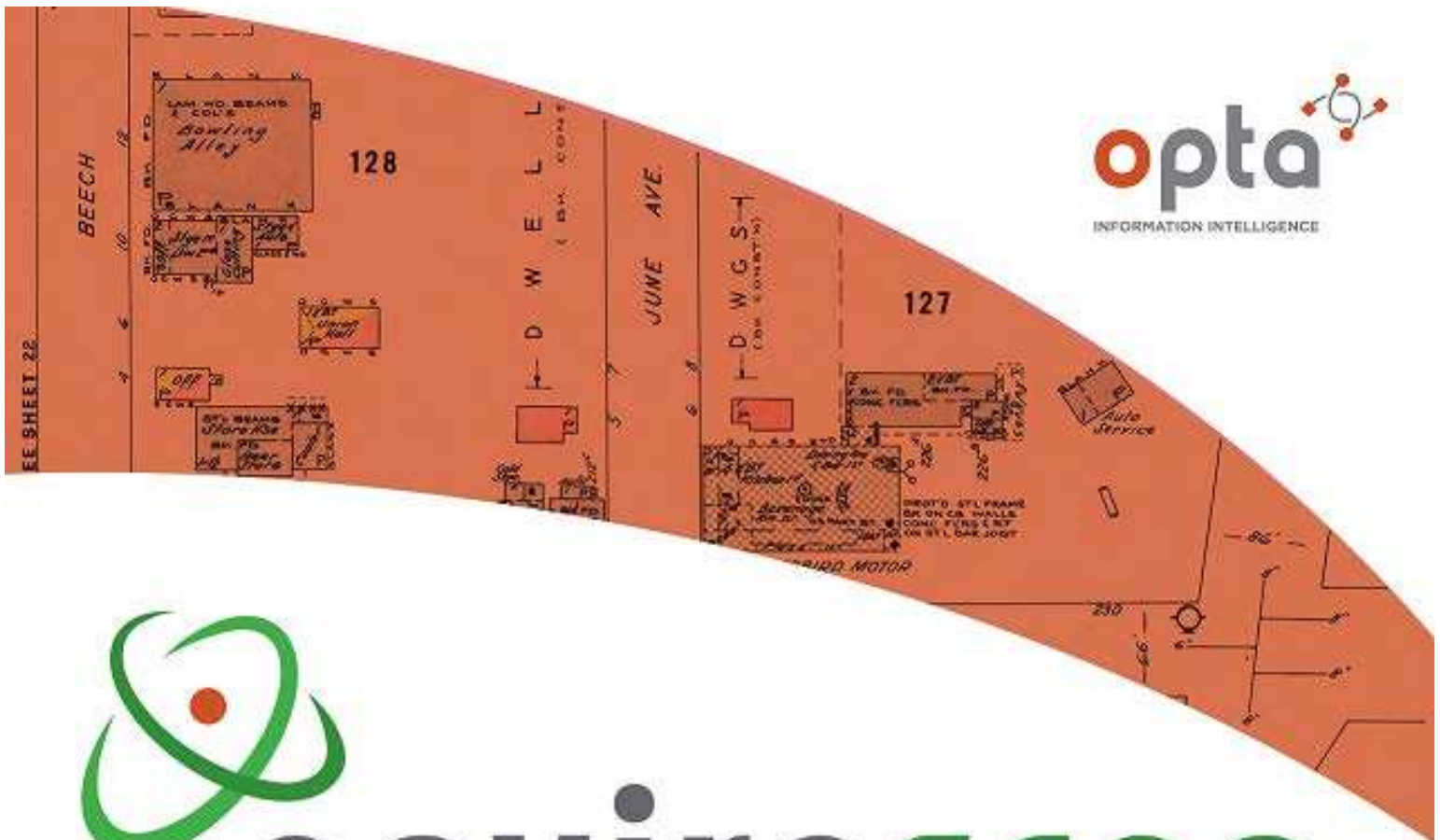
Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.



Physiography of Southern Ontario

Order No. 20180911009





enviroscan



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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:
9/20/2018 11:12:14 AM



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Law

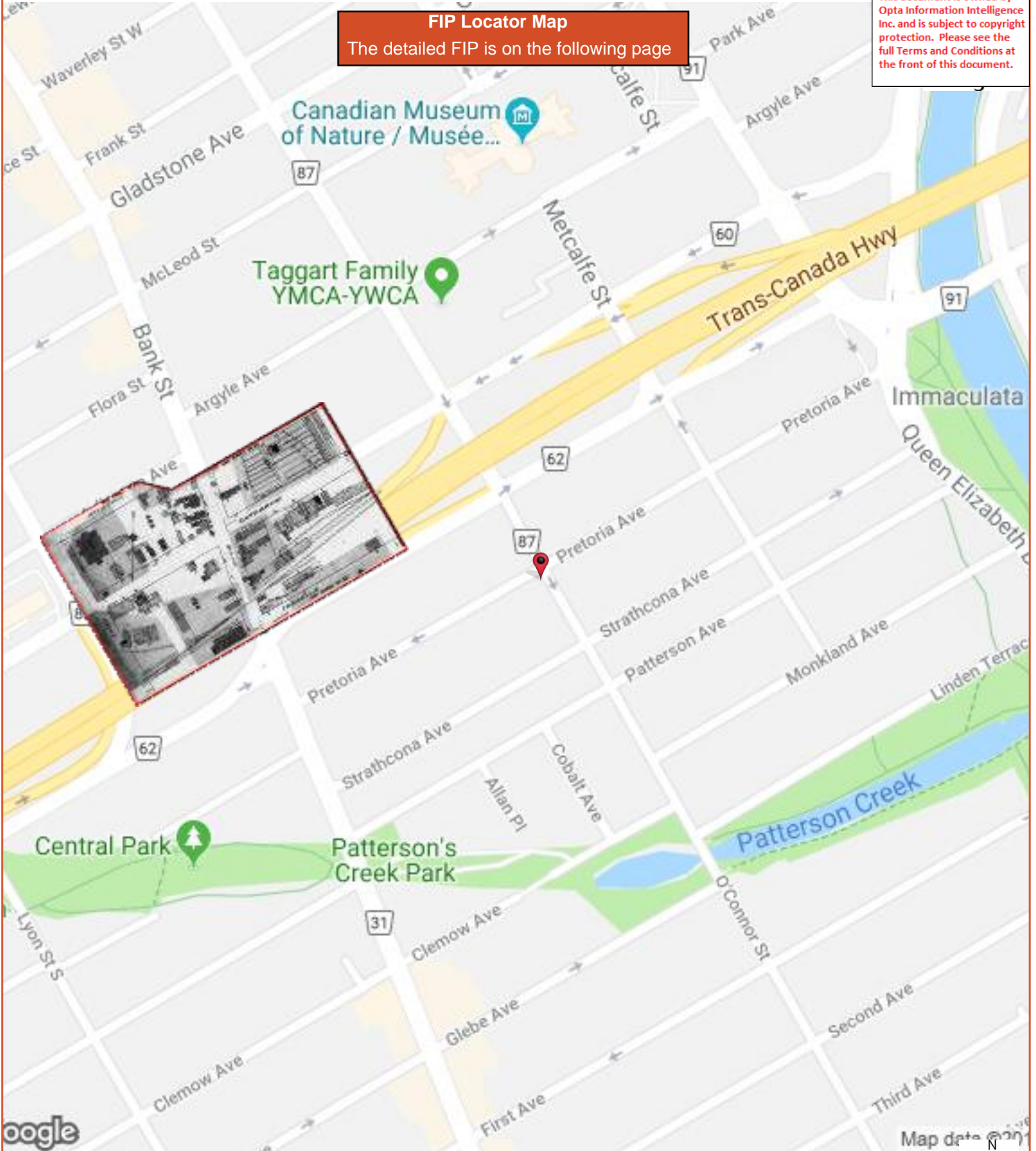
This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

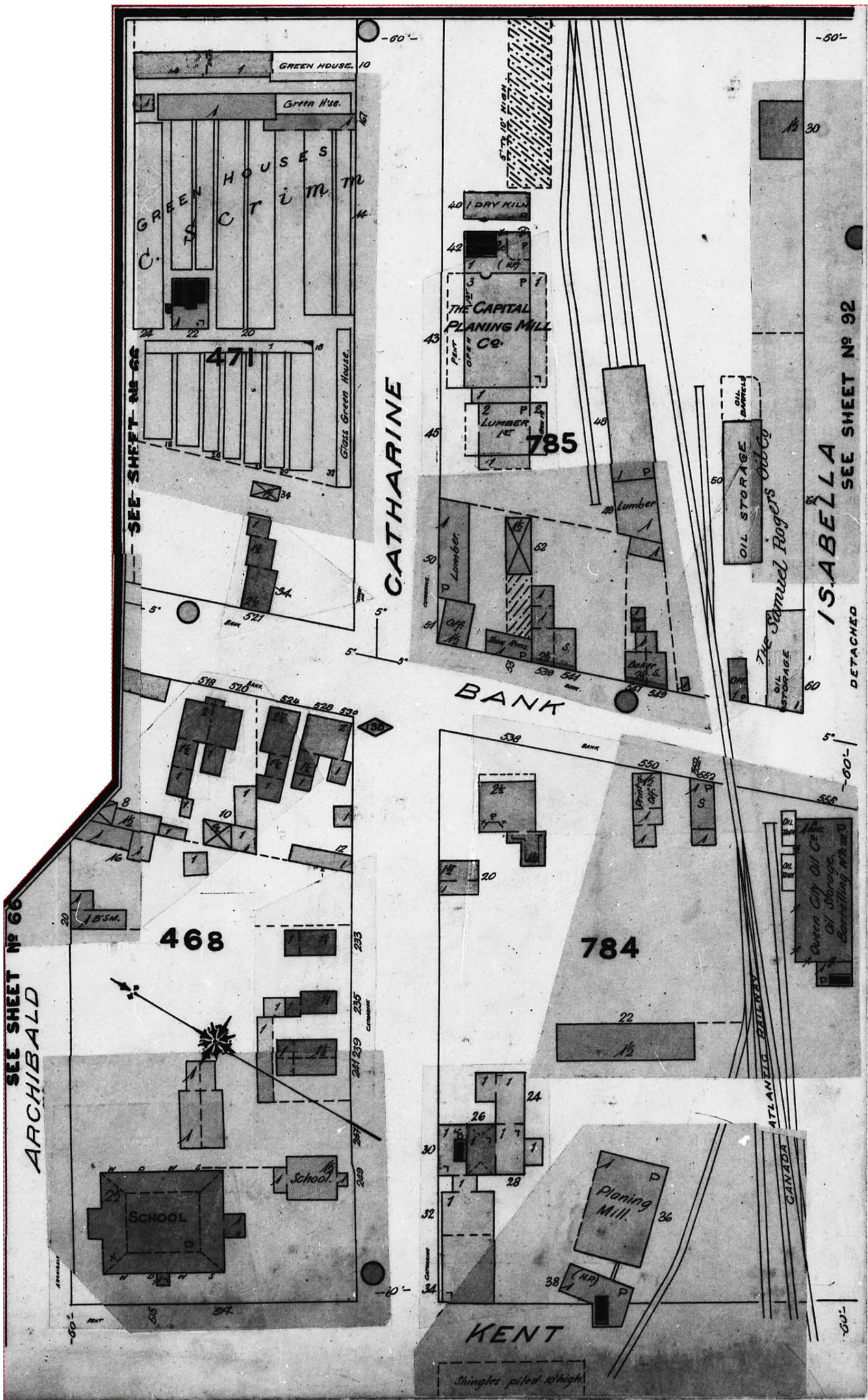
Page	Report Title
6	(1901) Volume: Ottawa Volume 1 Firemap: 64
8	(1901) Volume: Ottawa Volume 1 Firemap: 66
10	(1901) Volume: Ottawa Volume 1 Firemap: 67
12	(1901) Volume: Ottawa Volume 1 Firemap: 92
14	(1901) Volume: Ottawa Volume 1 Firemap: 92
16	(1912) Volume: Ottawa Volume 2 Firemap: 145
18	(1912) Volume: Ottawa Volume 2 Firemap: 146
20	(1912) Volume: Ottawa Volume 2 Firemap: 147
22	(1915) Volume: Ottawa Volume 1 Firemap: 74
24	(1912) Volume: Ottawa Volume 1 Firemap: 74
26	(1912) Volume: Ottawa Volume 1 Firemap: 75
28	(1915) Volume: Ottawa Volume 1 Firemap: 75
30	(1963) Volume: Ottawa Volume 1 Firemap: 133
32	(1963) Volume: Ottawa Volume 1 Firemap: 136
34	(1963) Volume: Ottawa Volume 1 Firemap: 139
36	(1963) Volume: Ottawa Volume 1 Firemap: 137-4
38	(1963) Volume: Ottawa Volume 1 Firemap: 137-5
40	(1963) Volume: Ottawa Volume 1 Firemap: 141-1
42	(1948) Volume: Ottawa Firemap: 133
44	(1948) Volume: Ottawa Firemap: 136
46	(1948) Volume: Ottawa Firemap: 137
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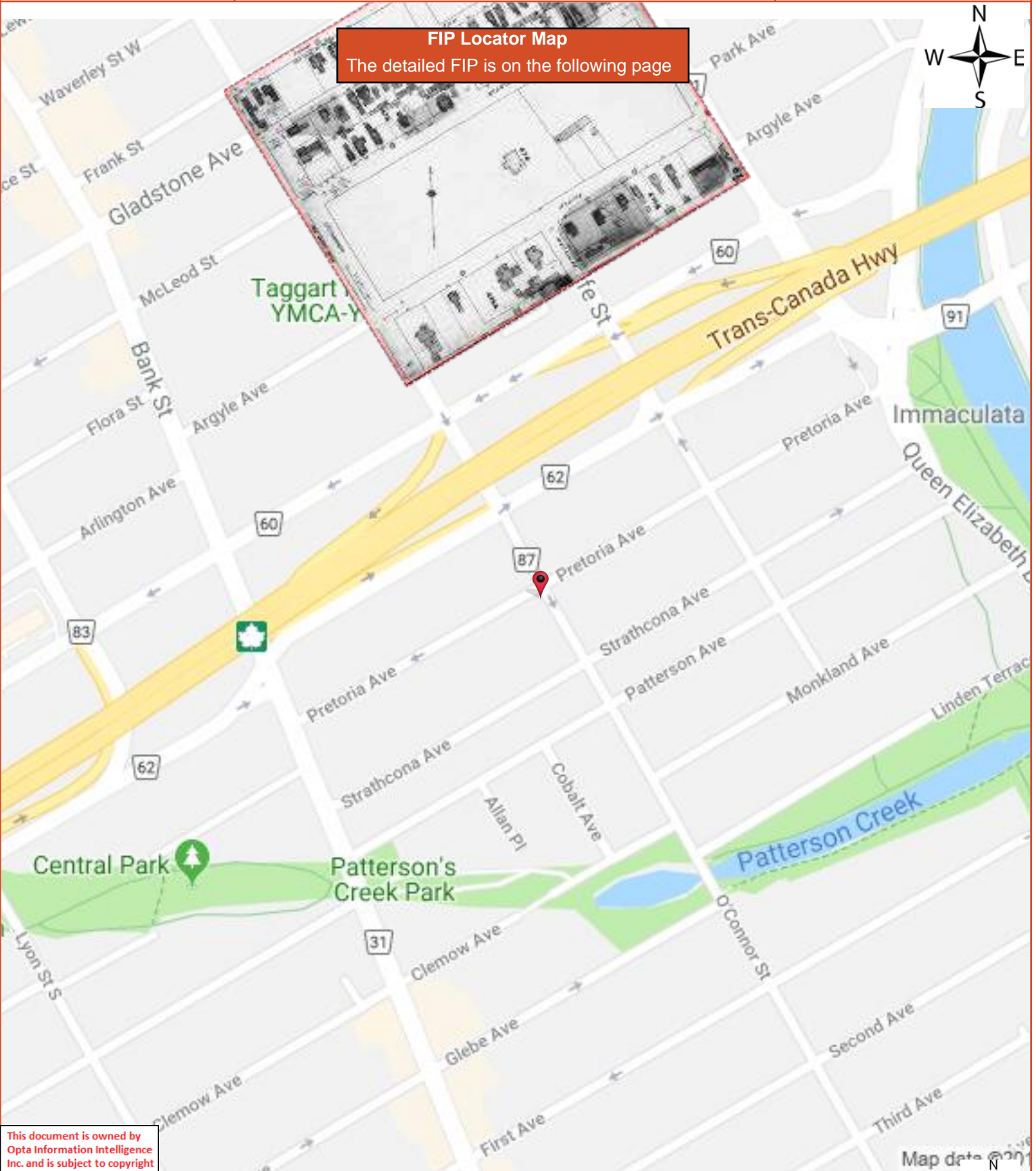
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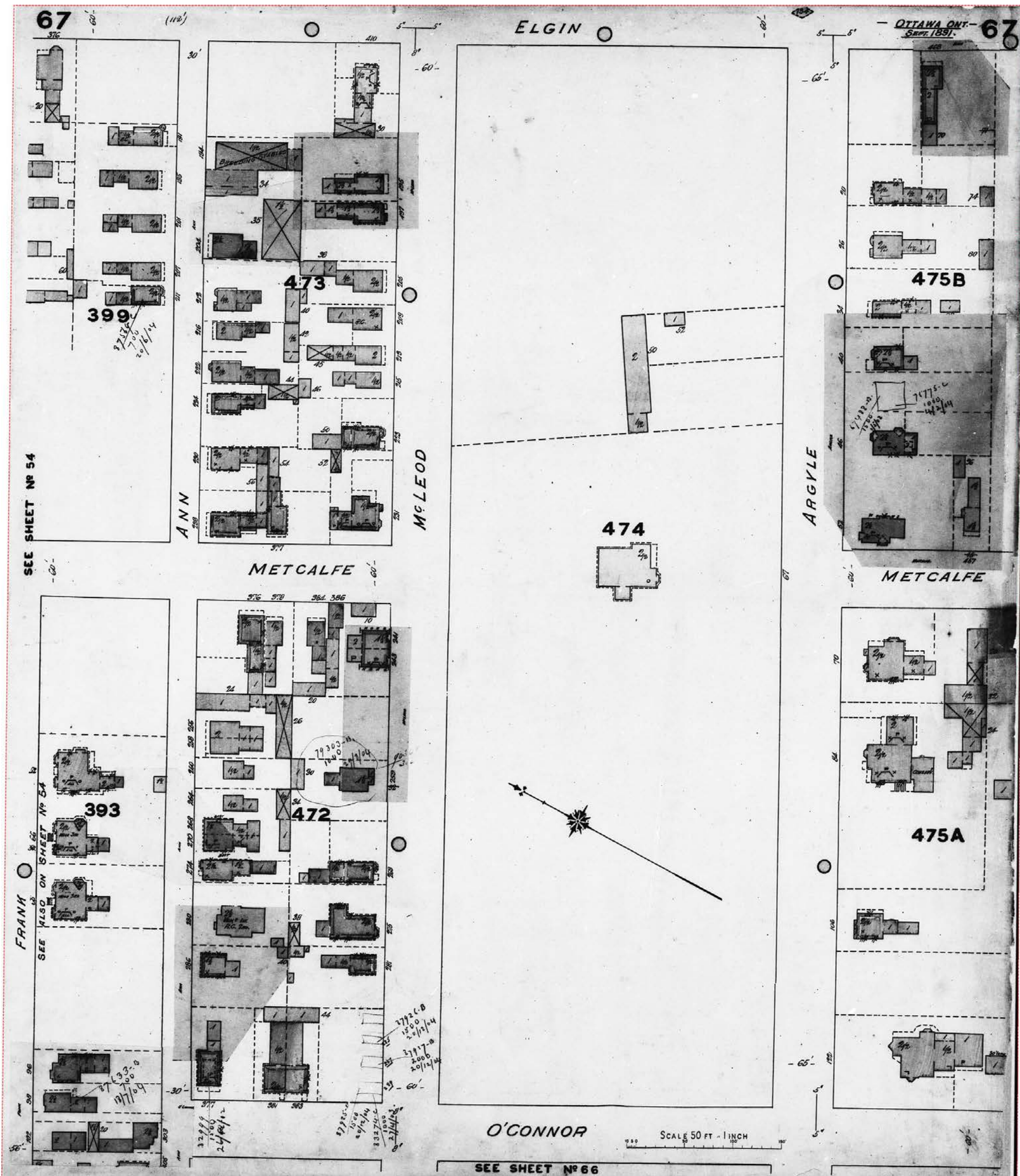


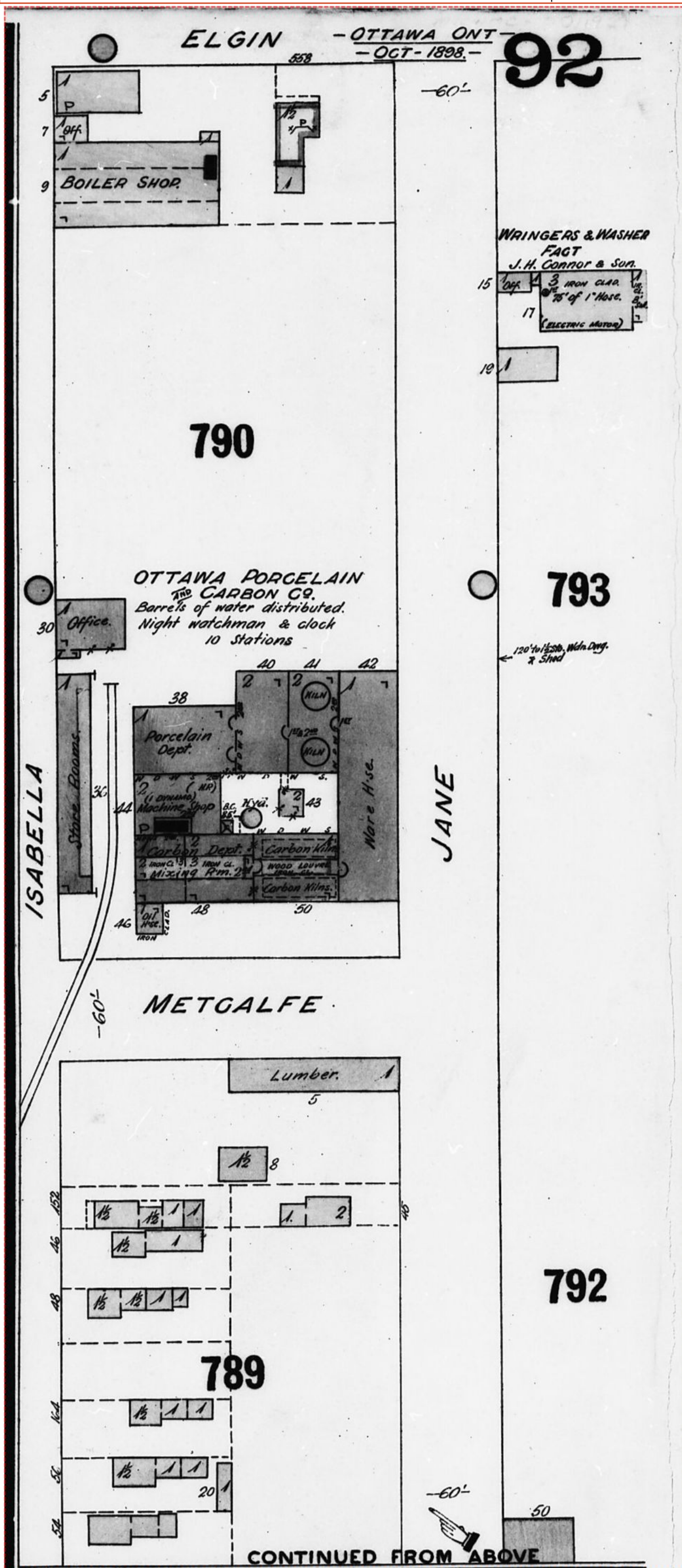




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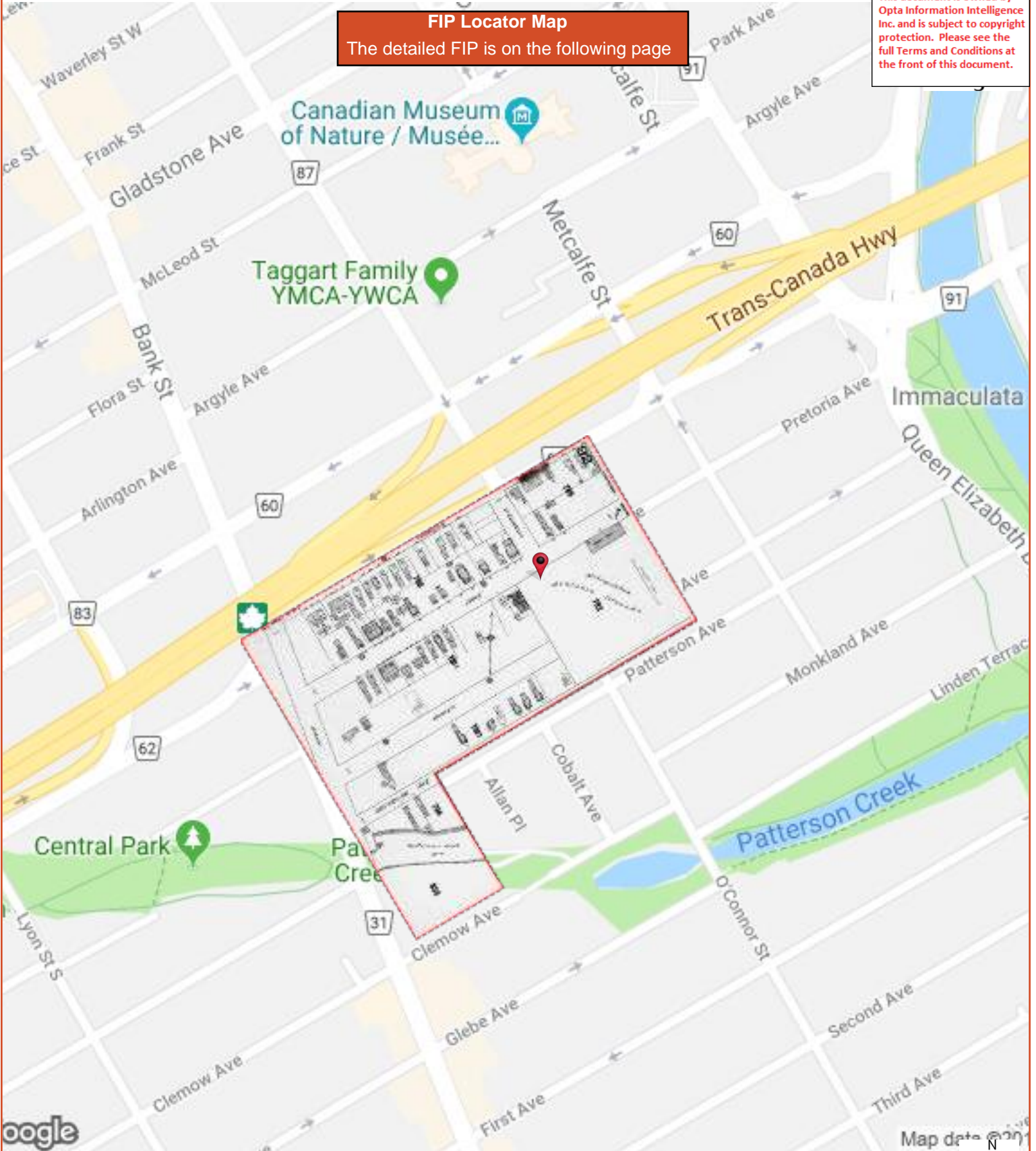


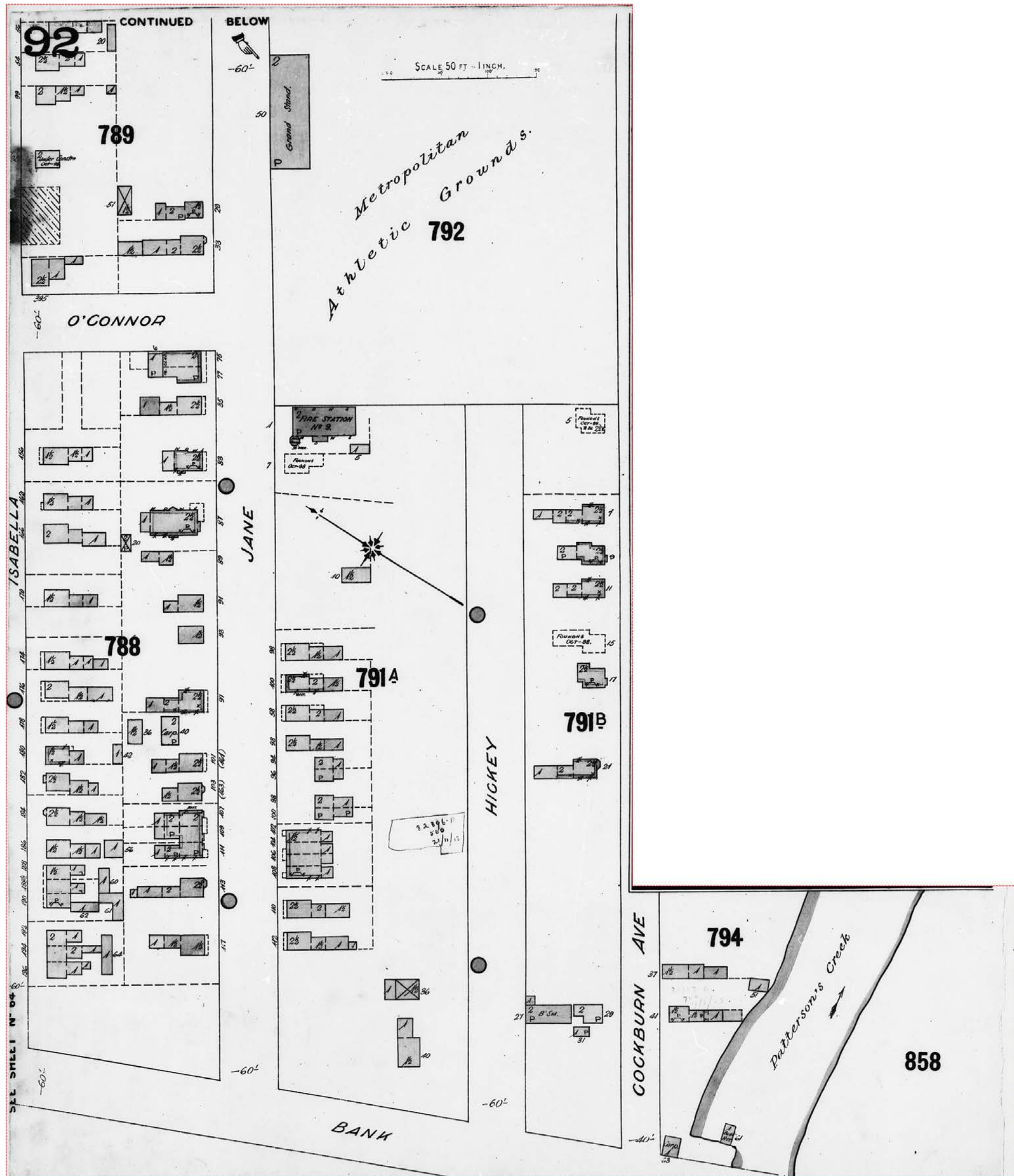




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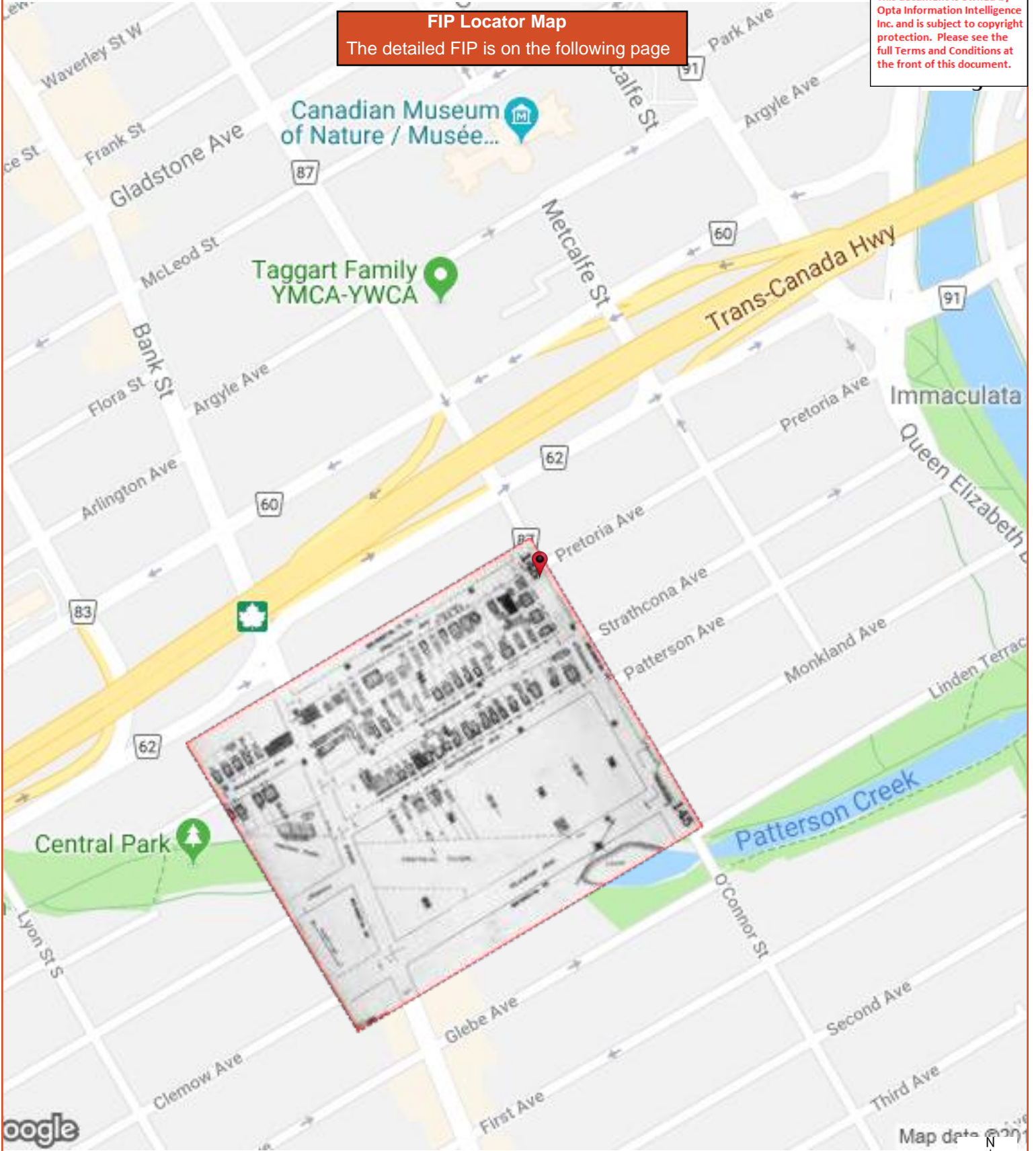
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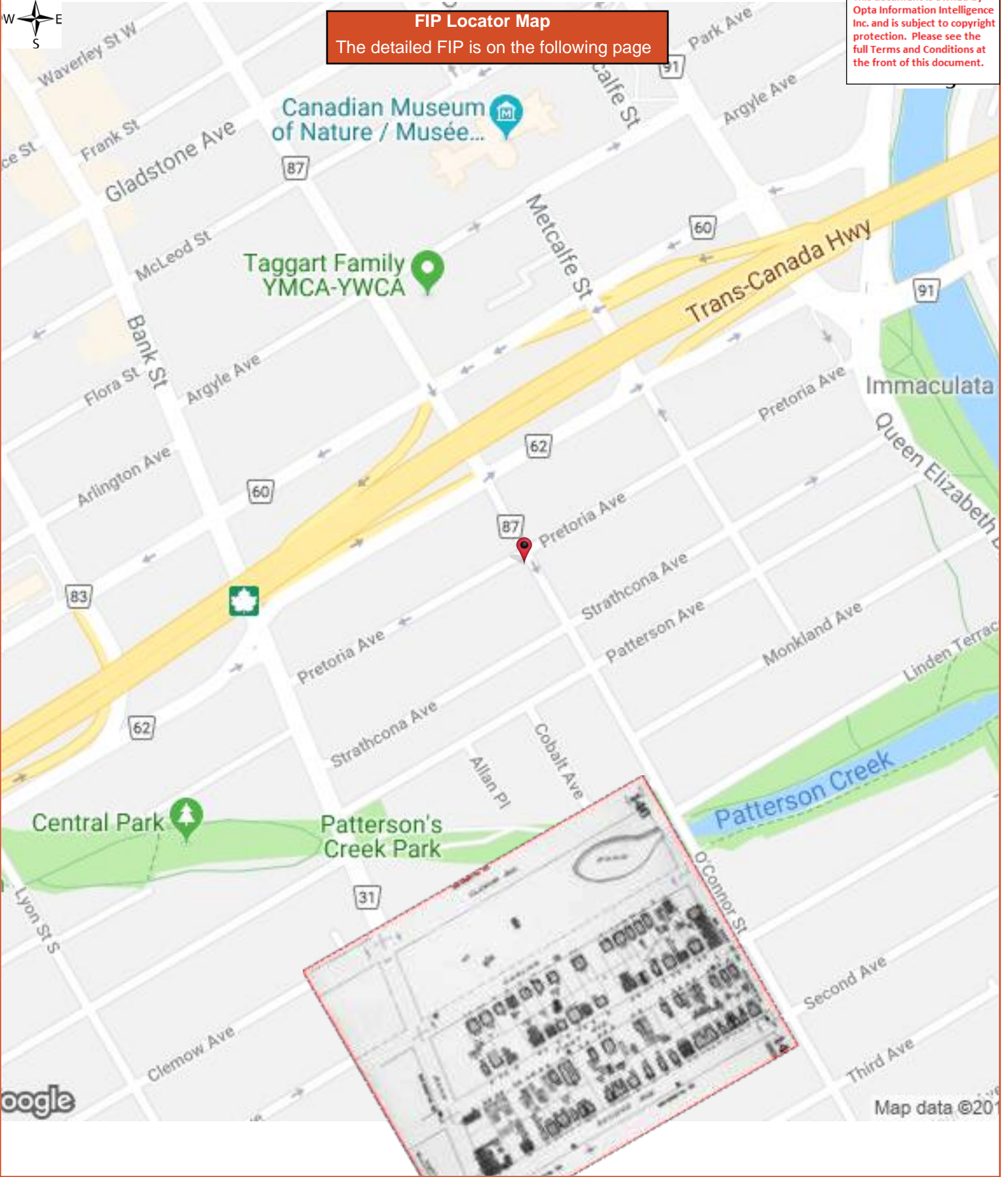


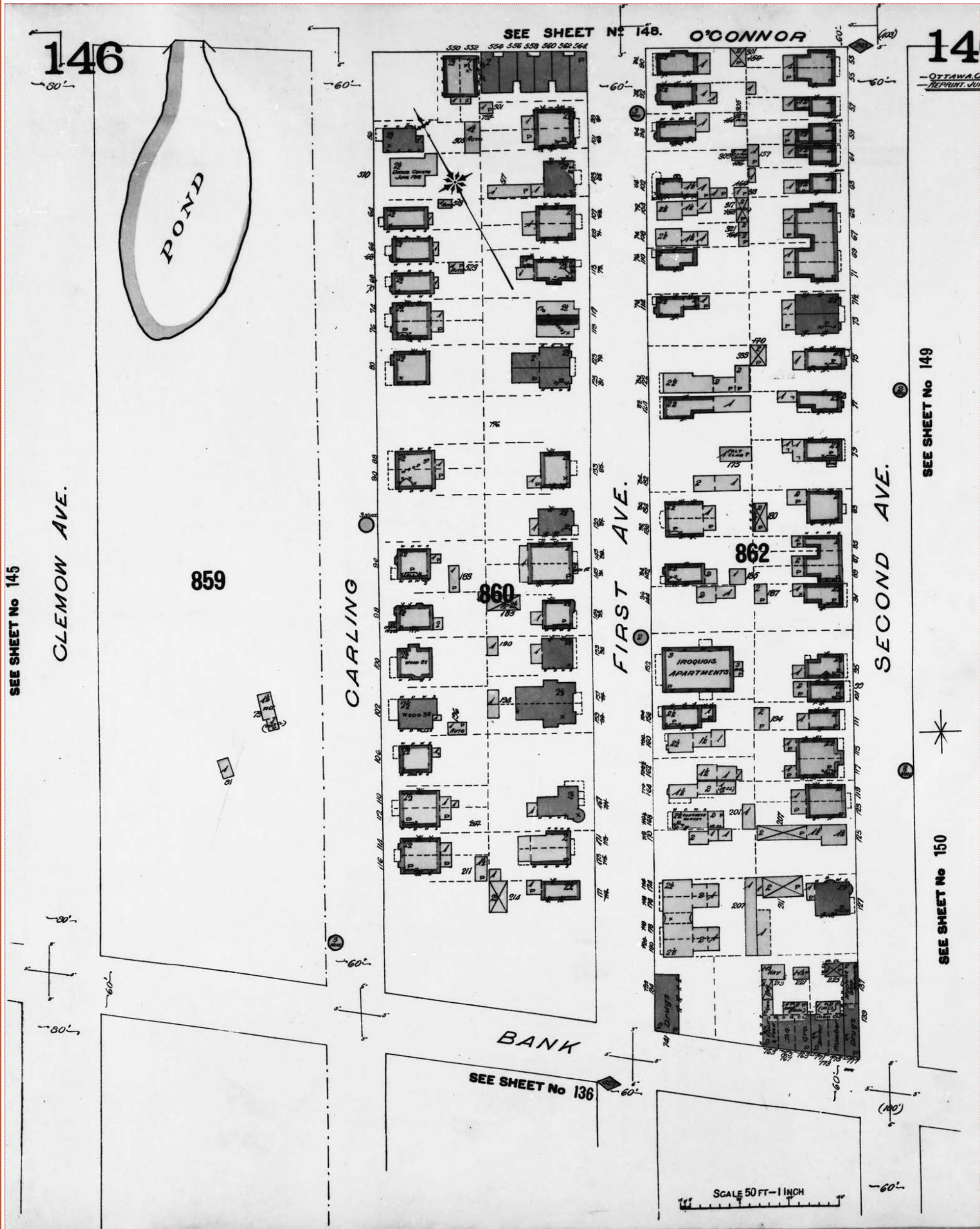




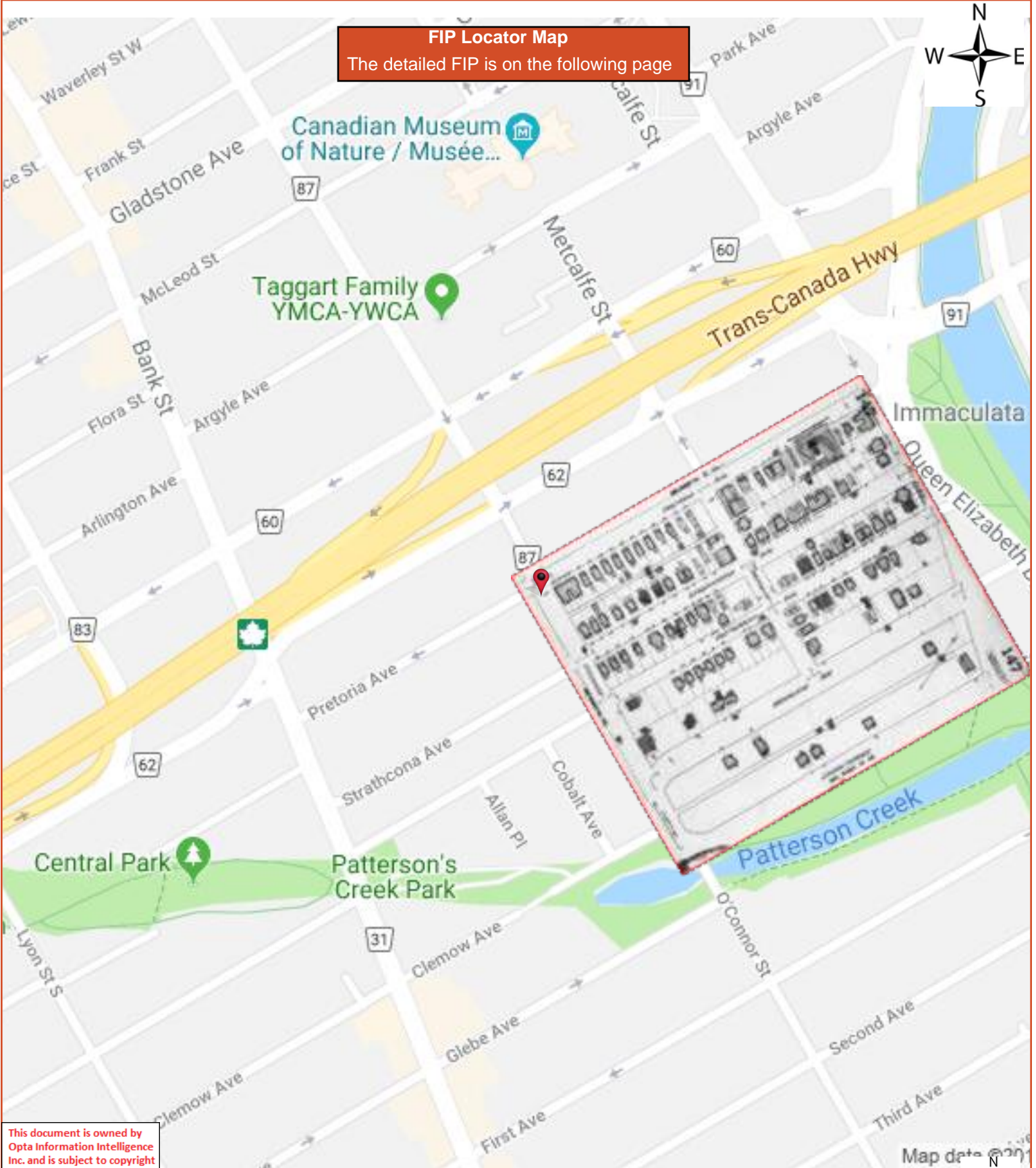
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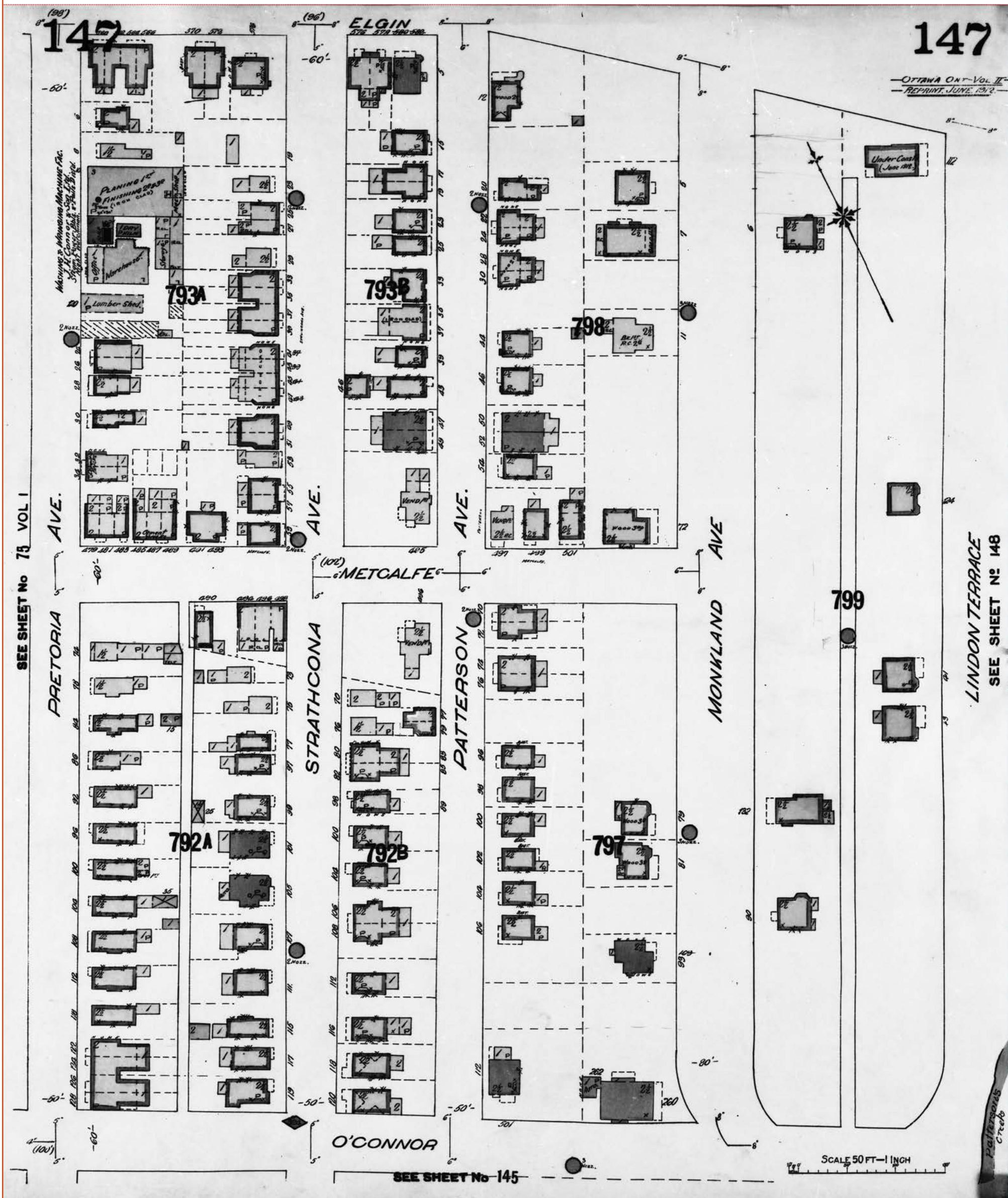
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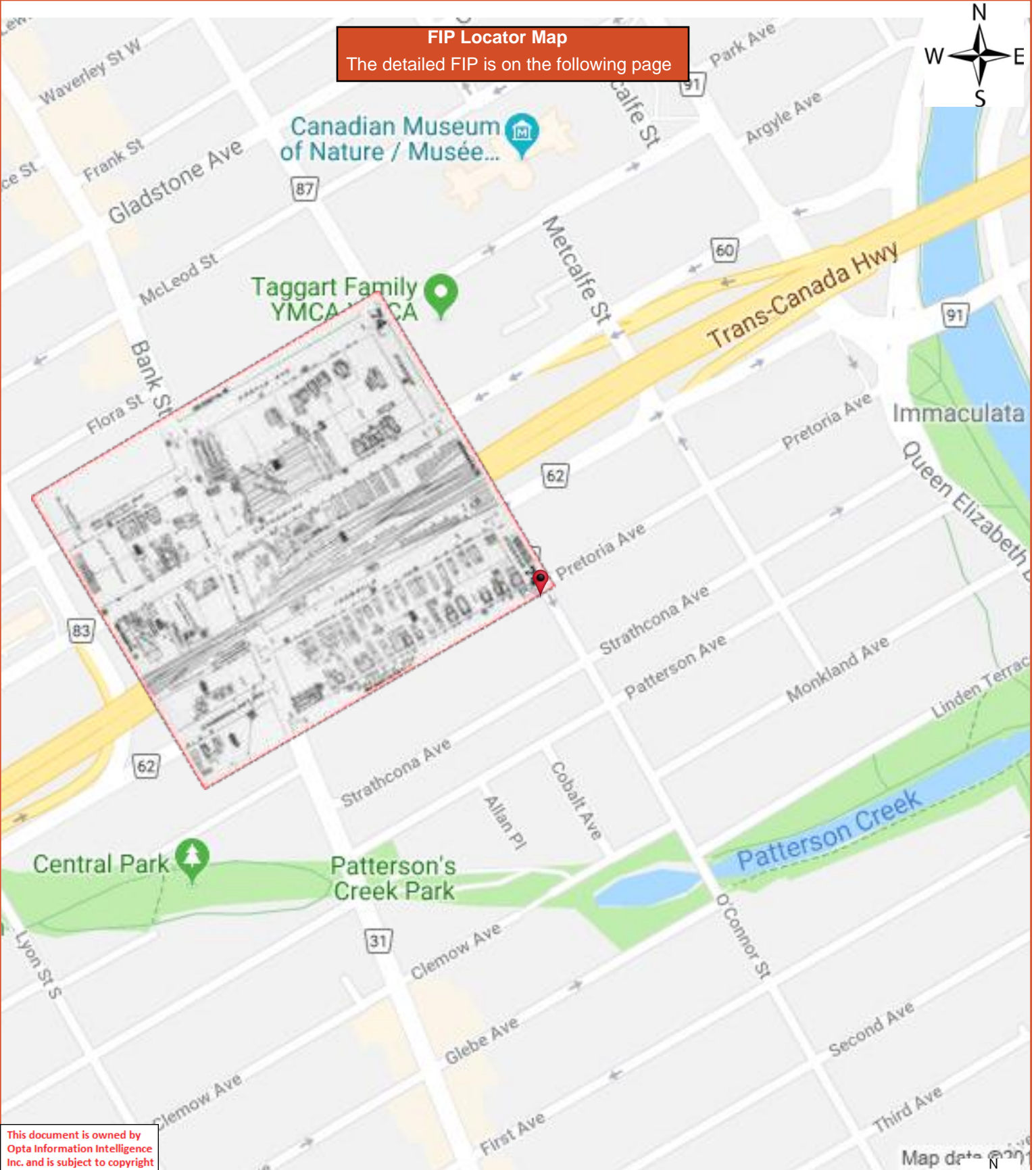


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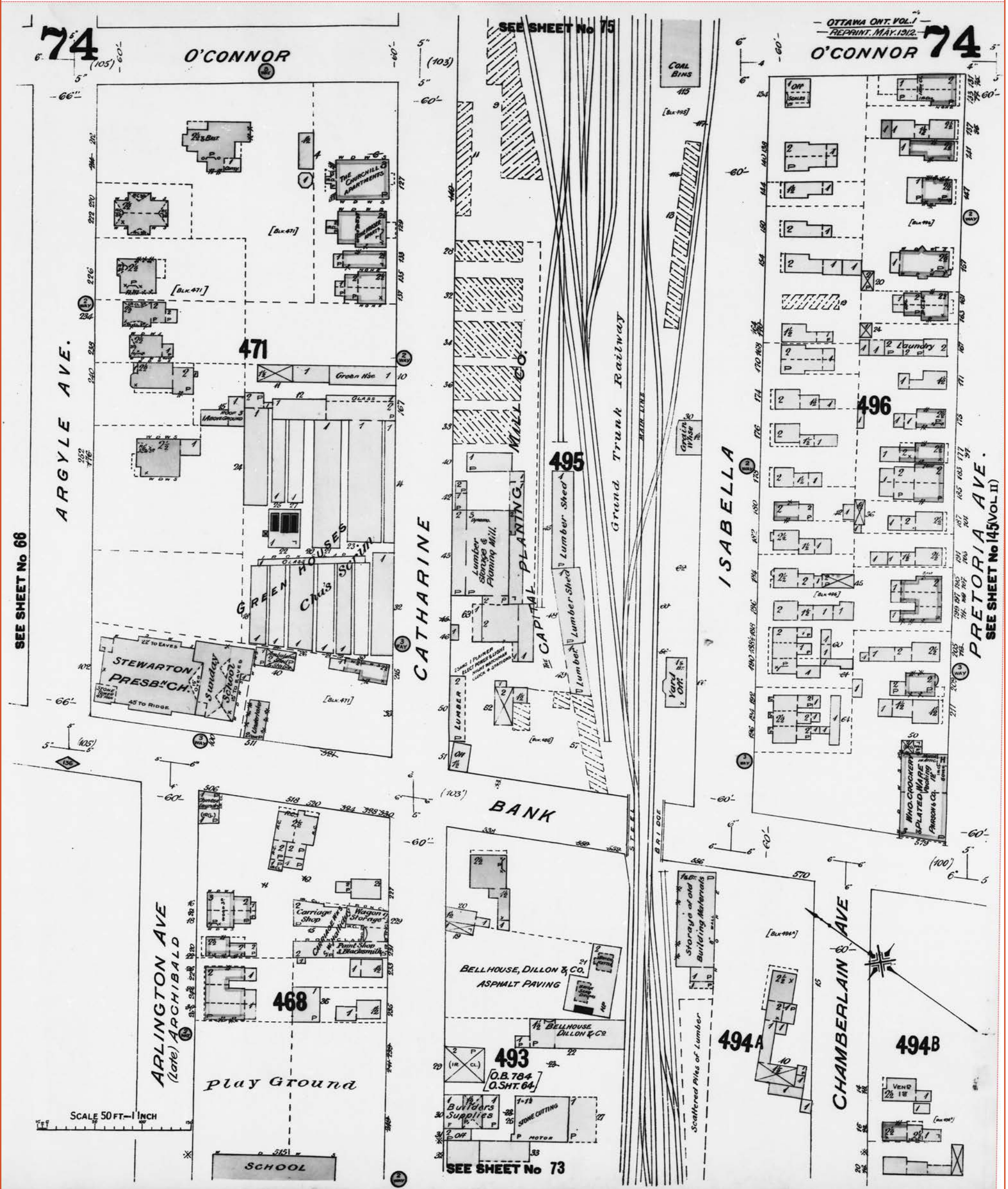


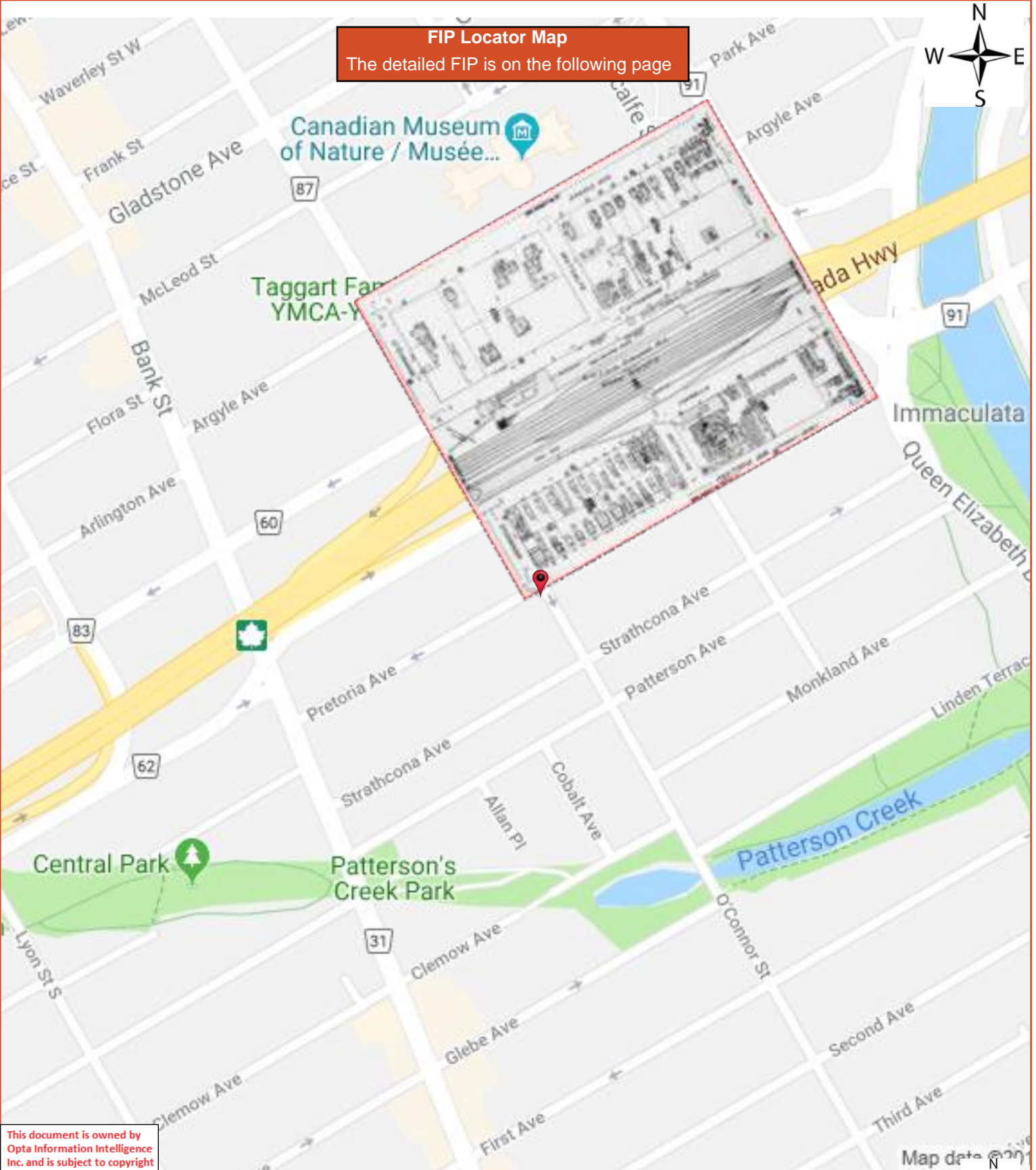


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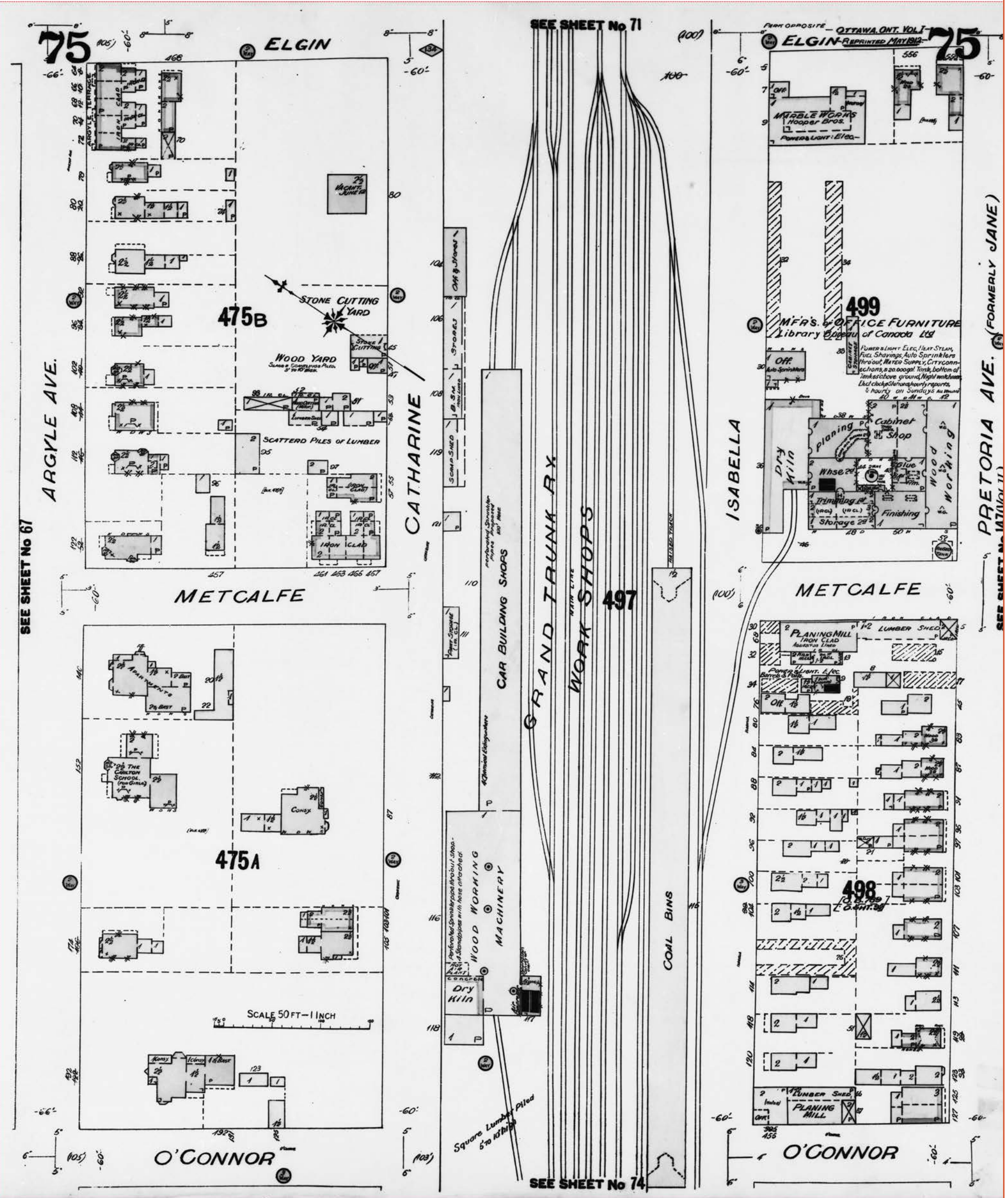


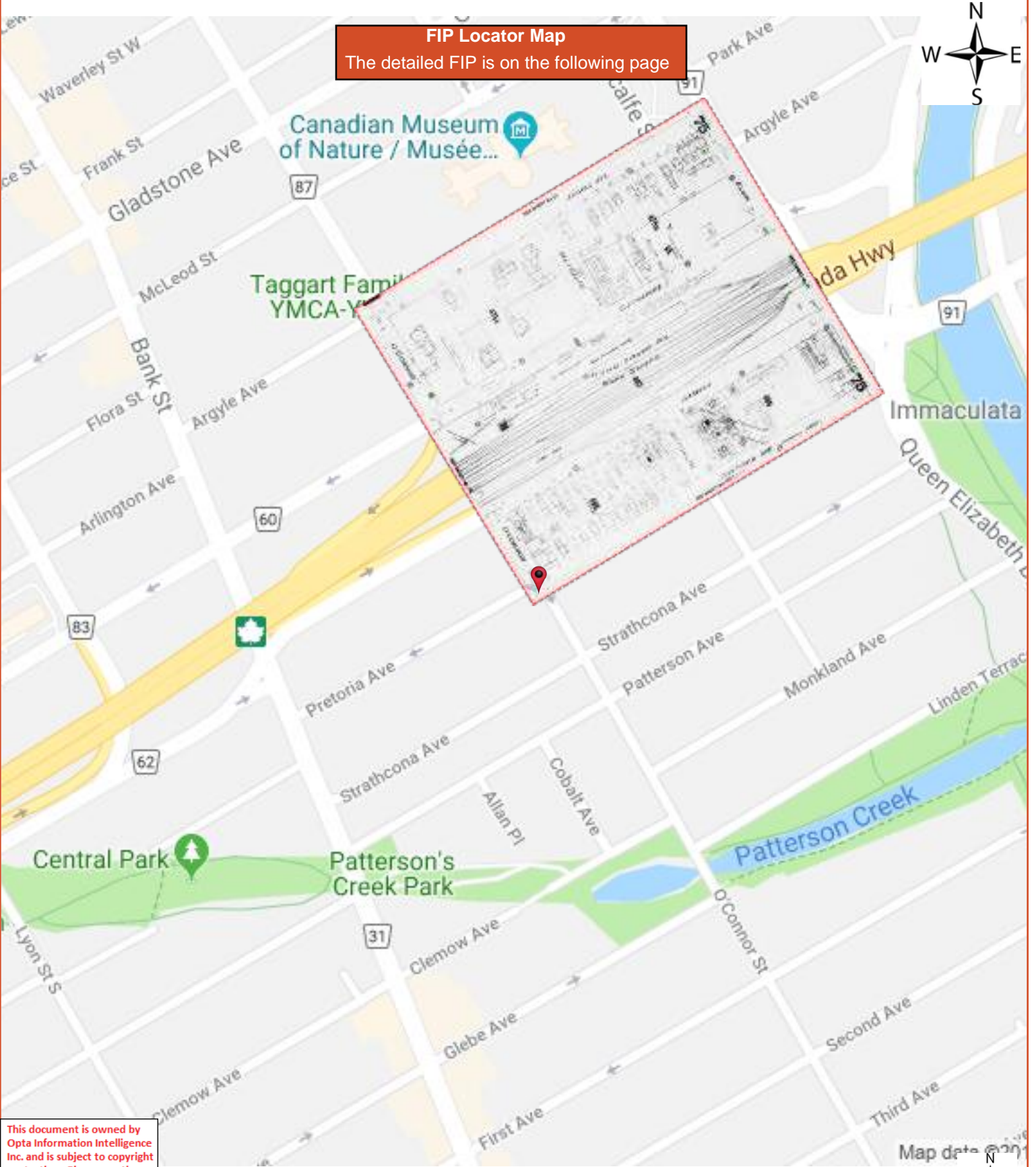


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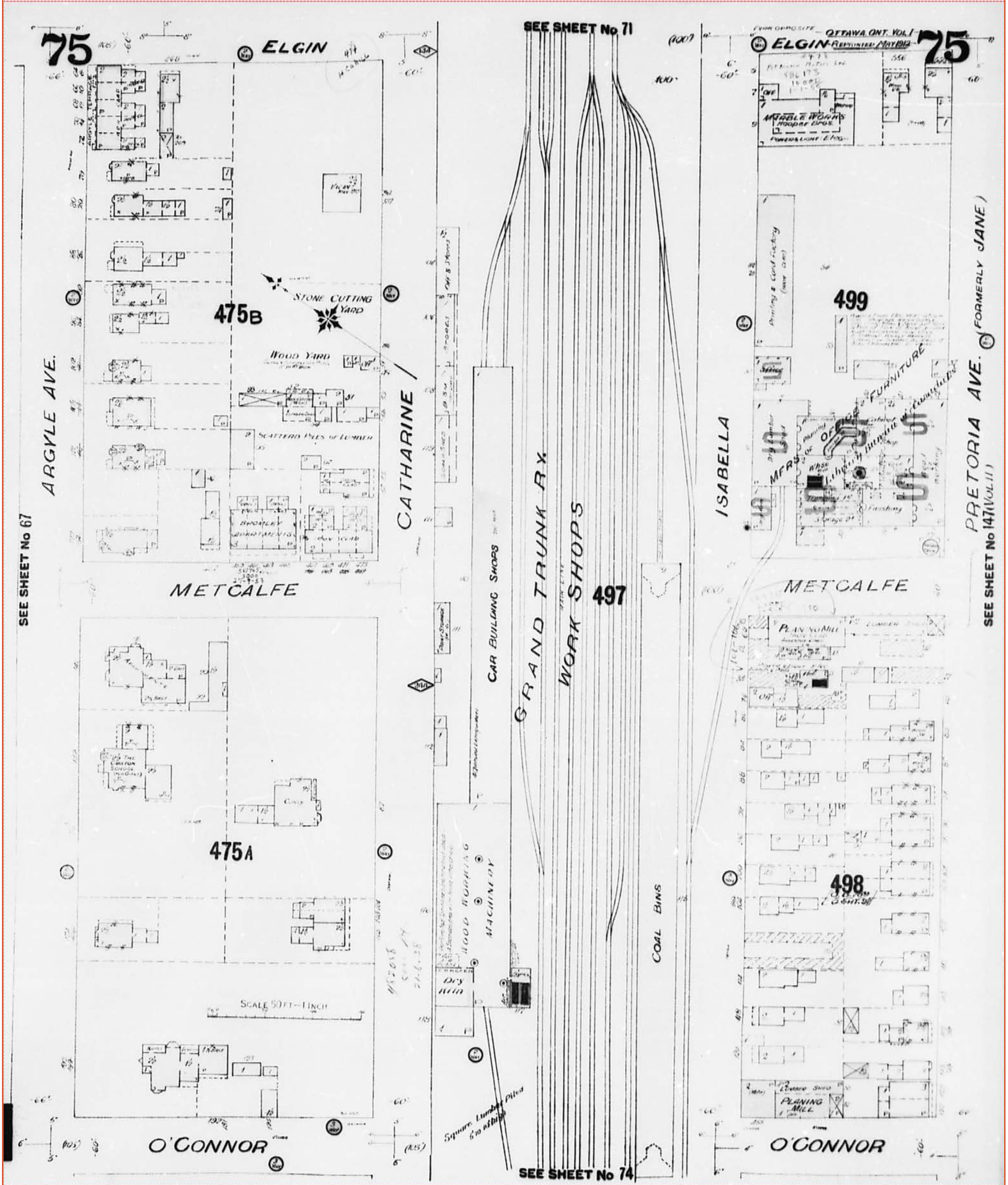


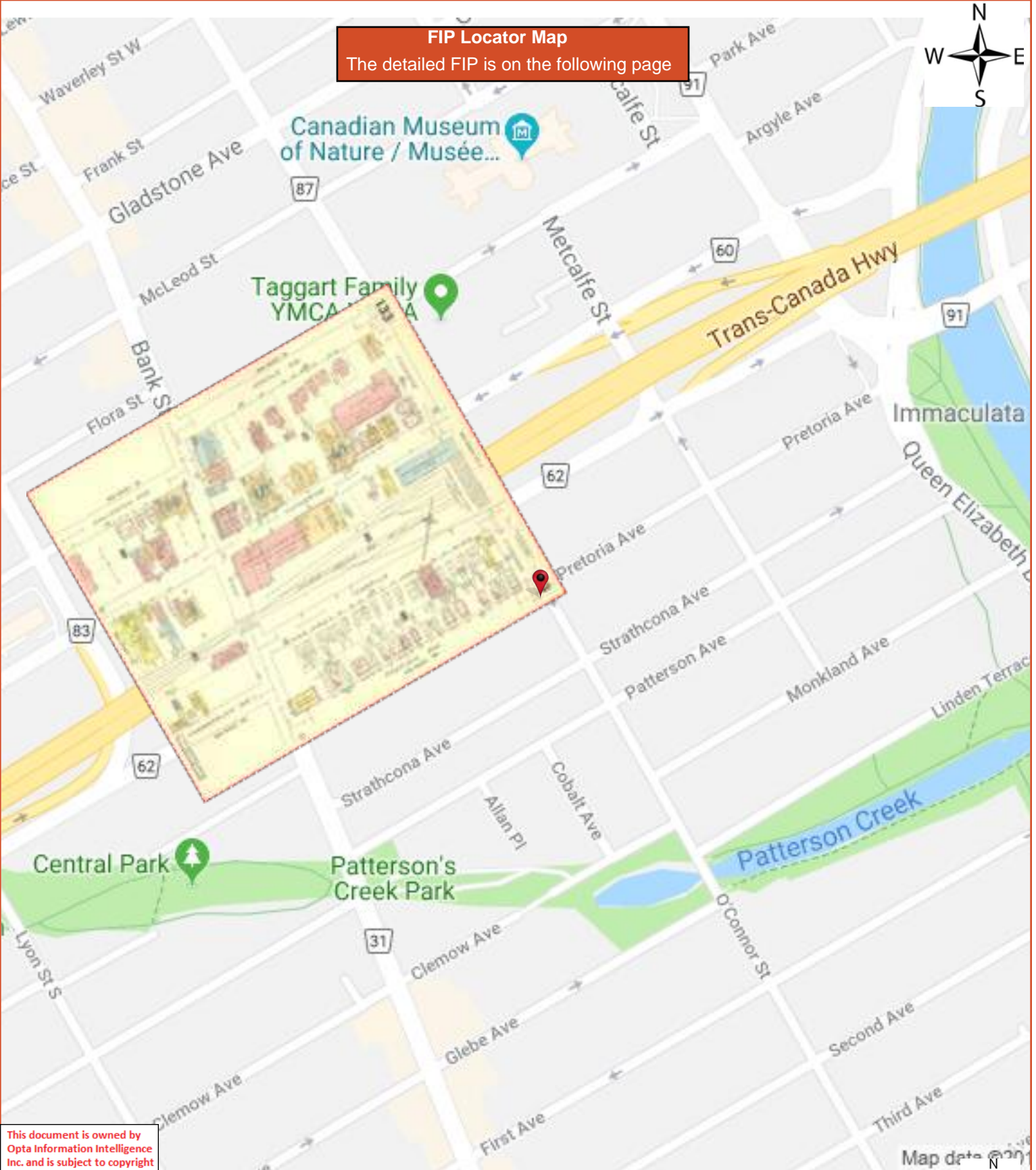
FIP Locator Map
The detailed FIP is on the following page



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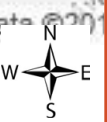


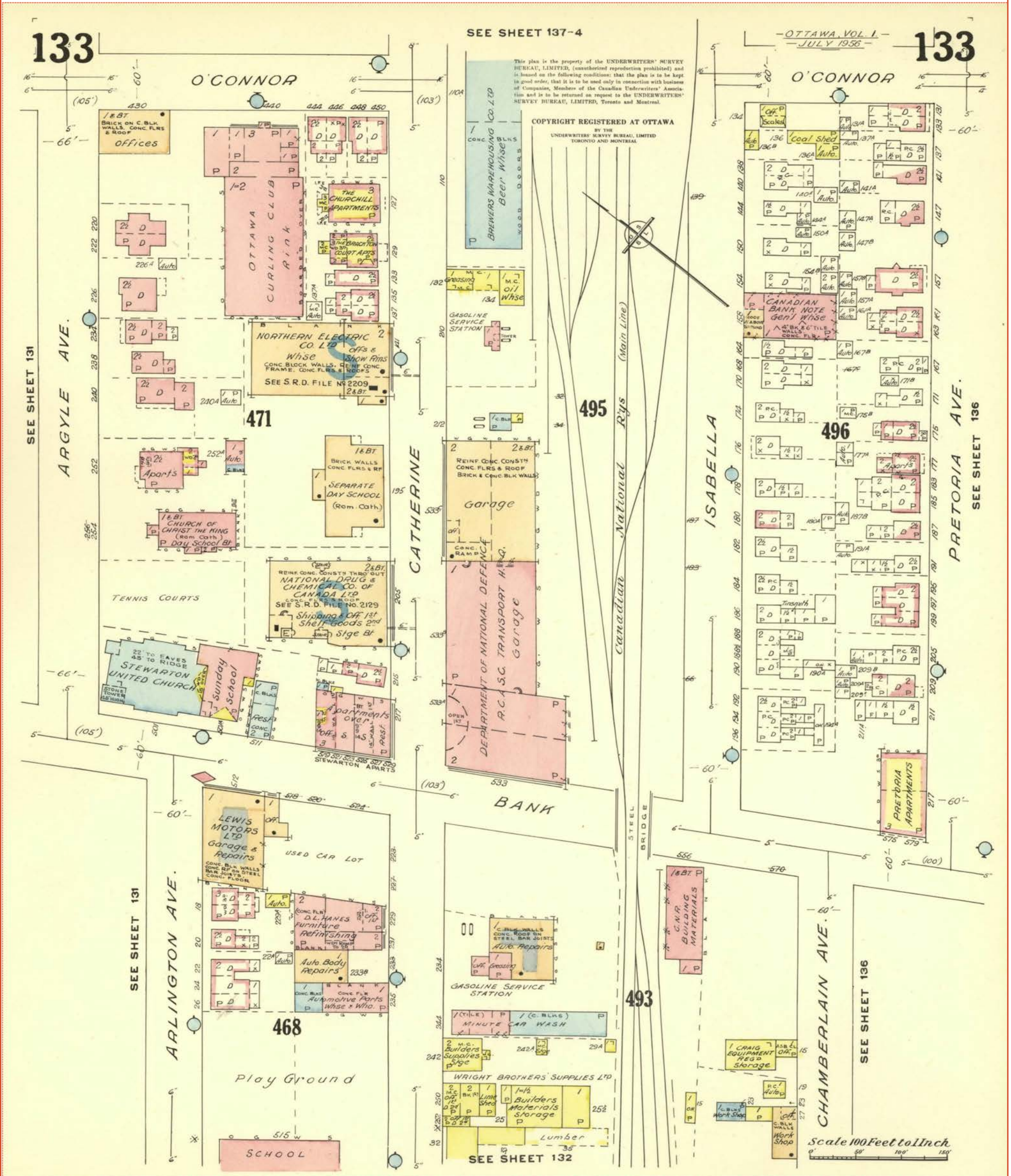
FIP Locator Map
The detailed FIP is on the following page



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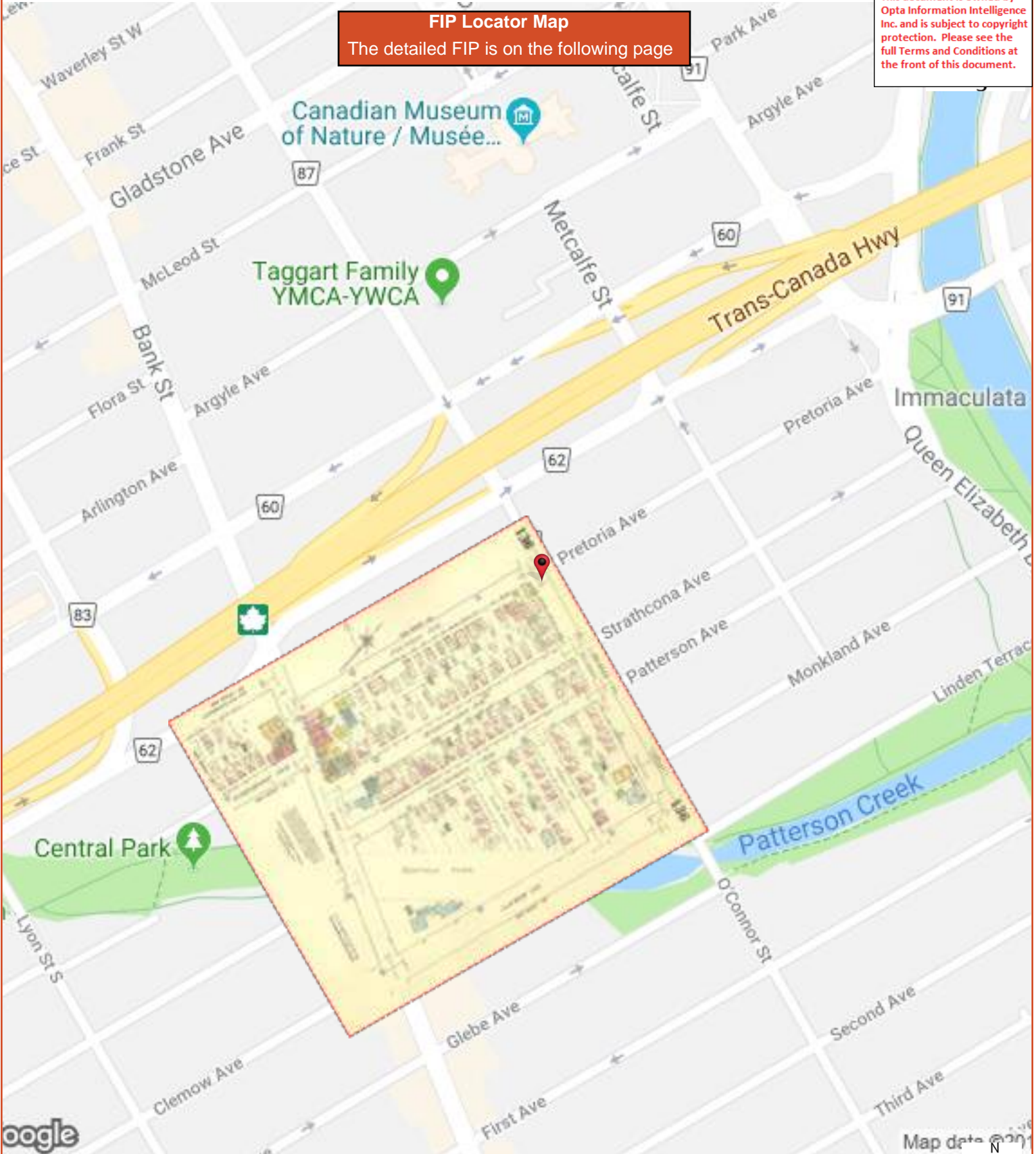
Map data © 2018

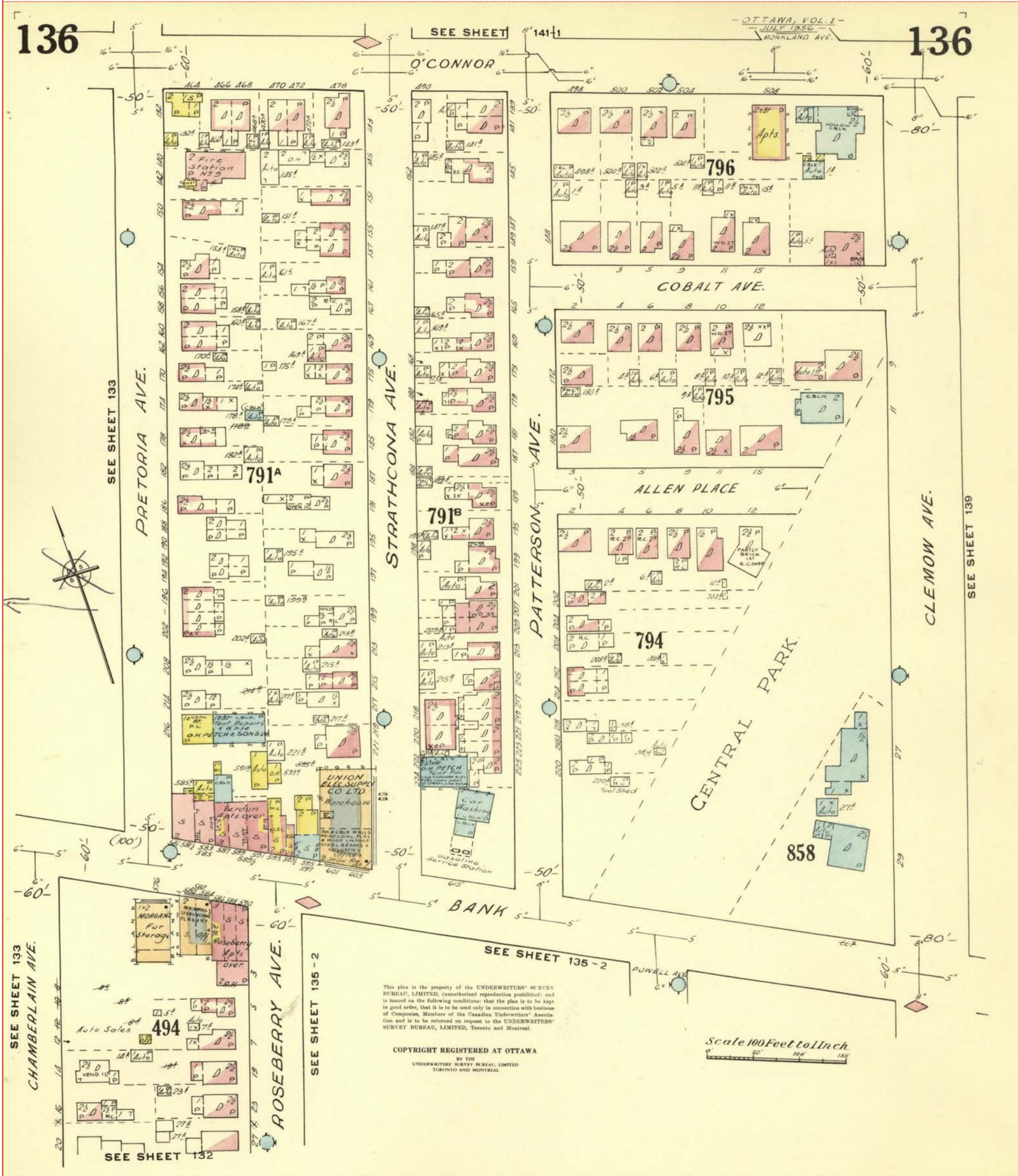




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The detailed FIP is on the following page

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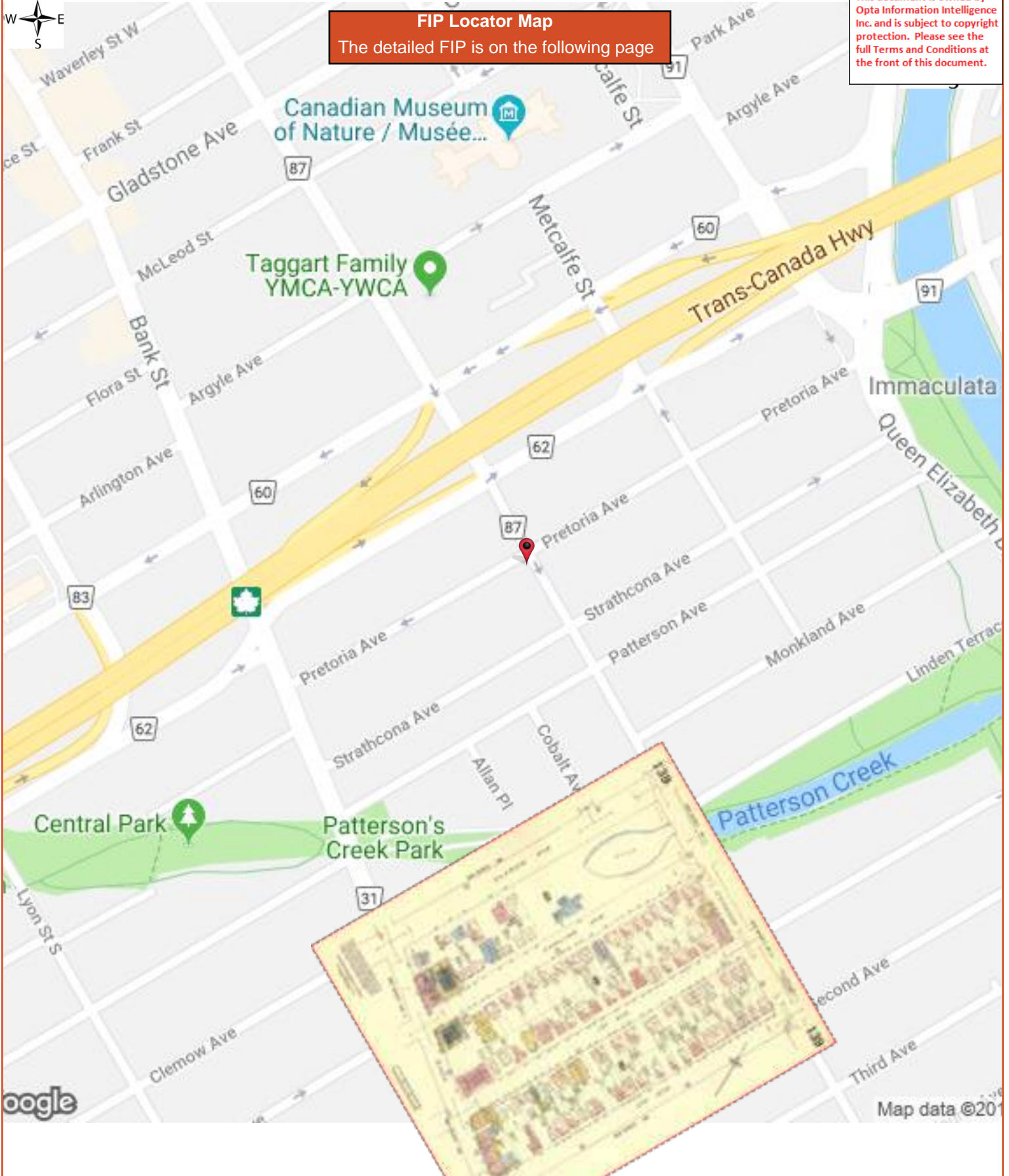


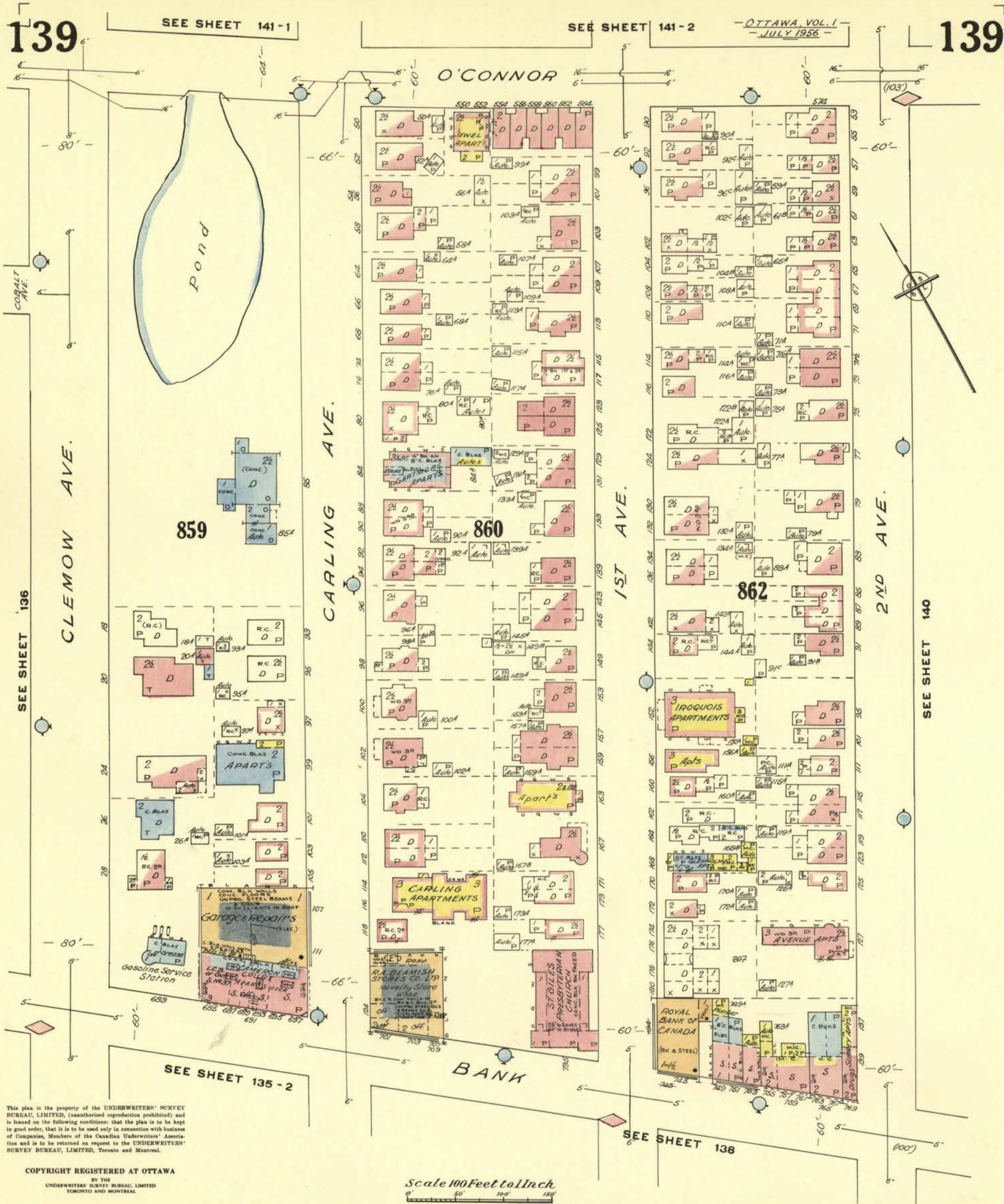




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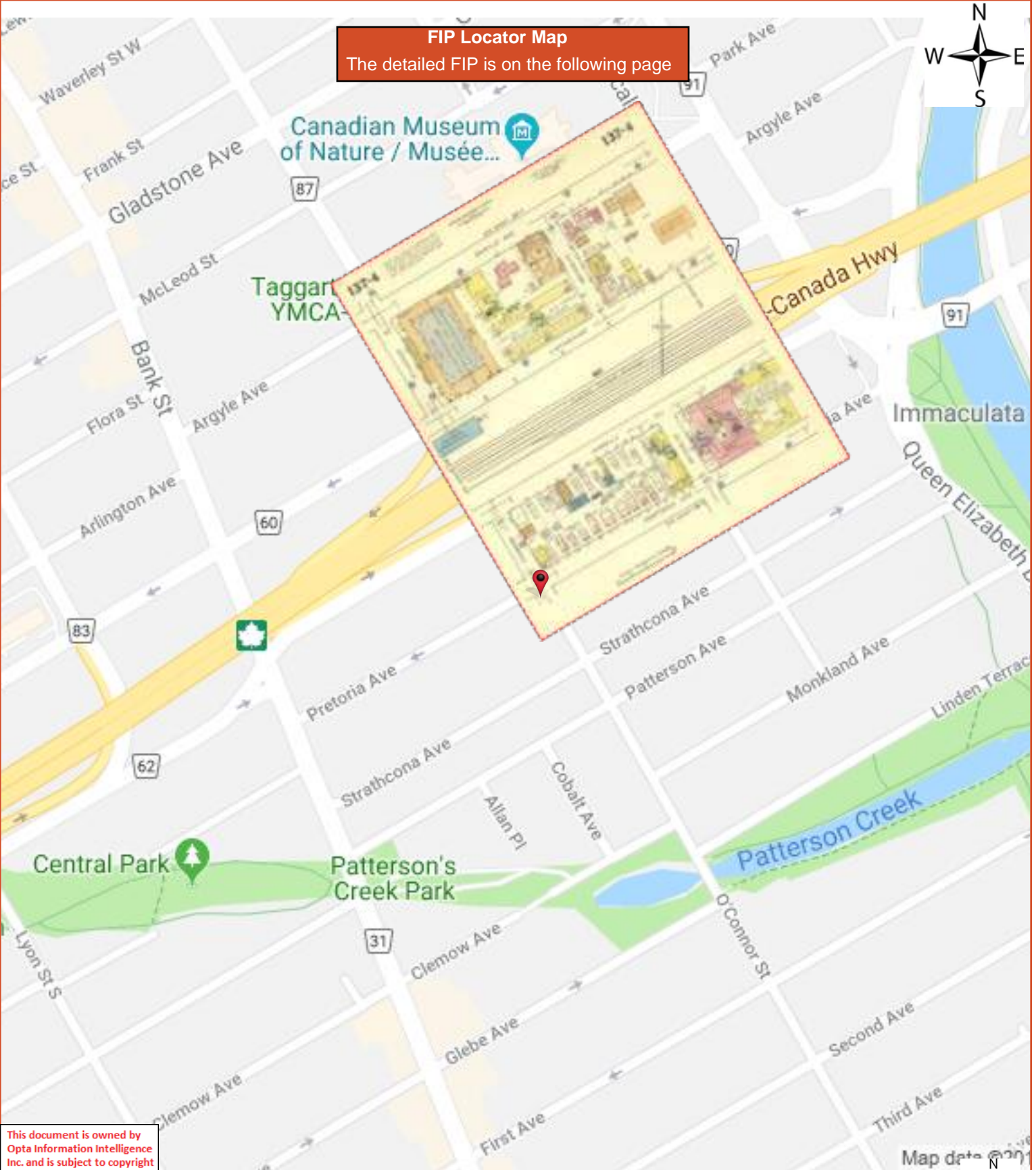




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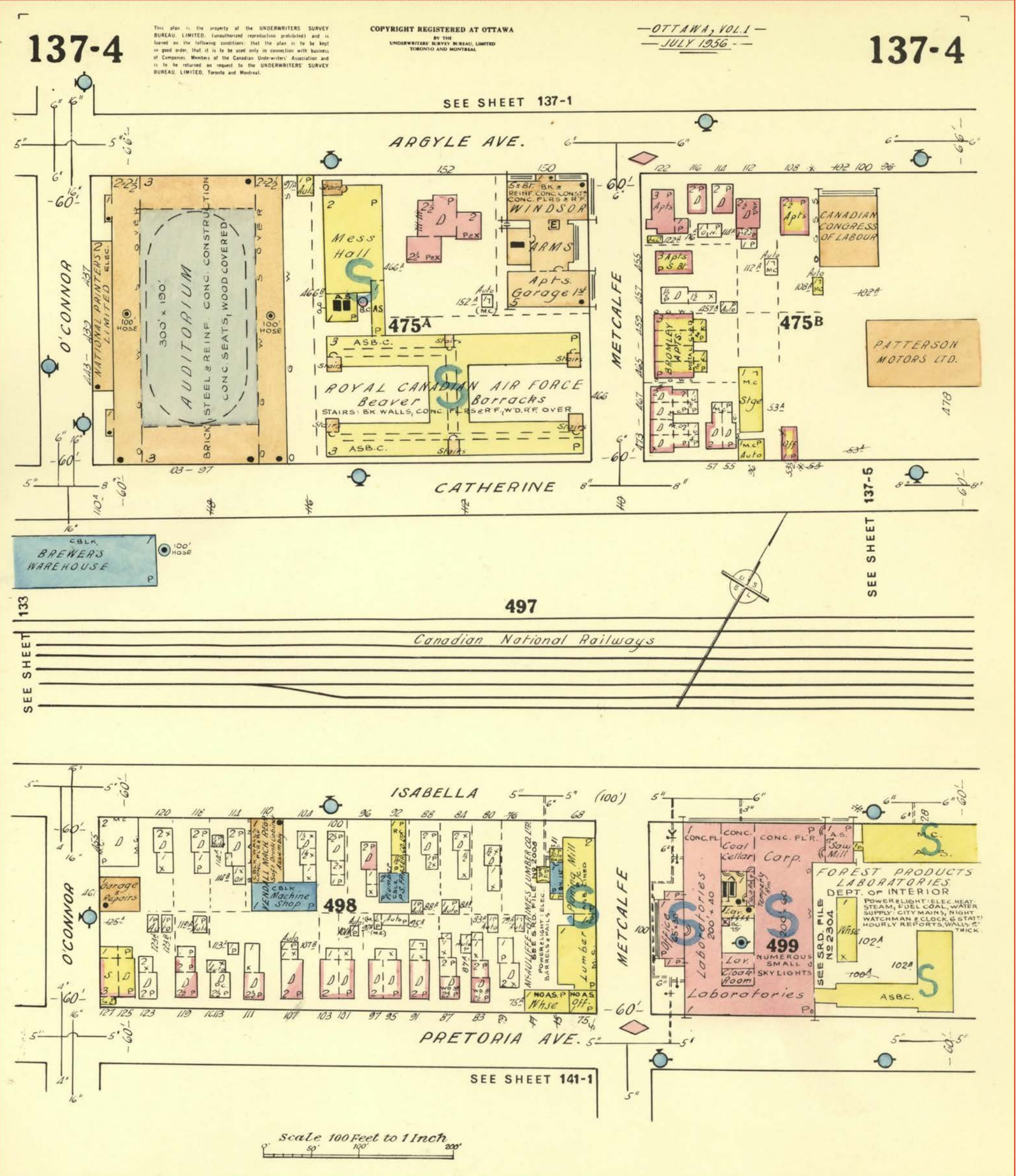
Scale 100 Feet to 1 Inch
 0 50 100 150

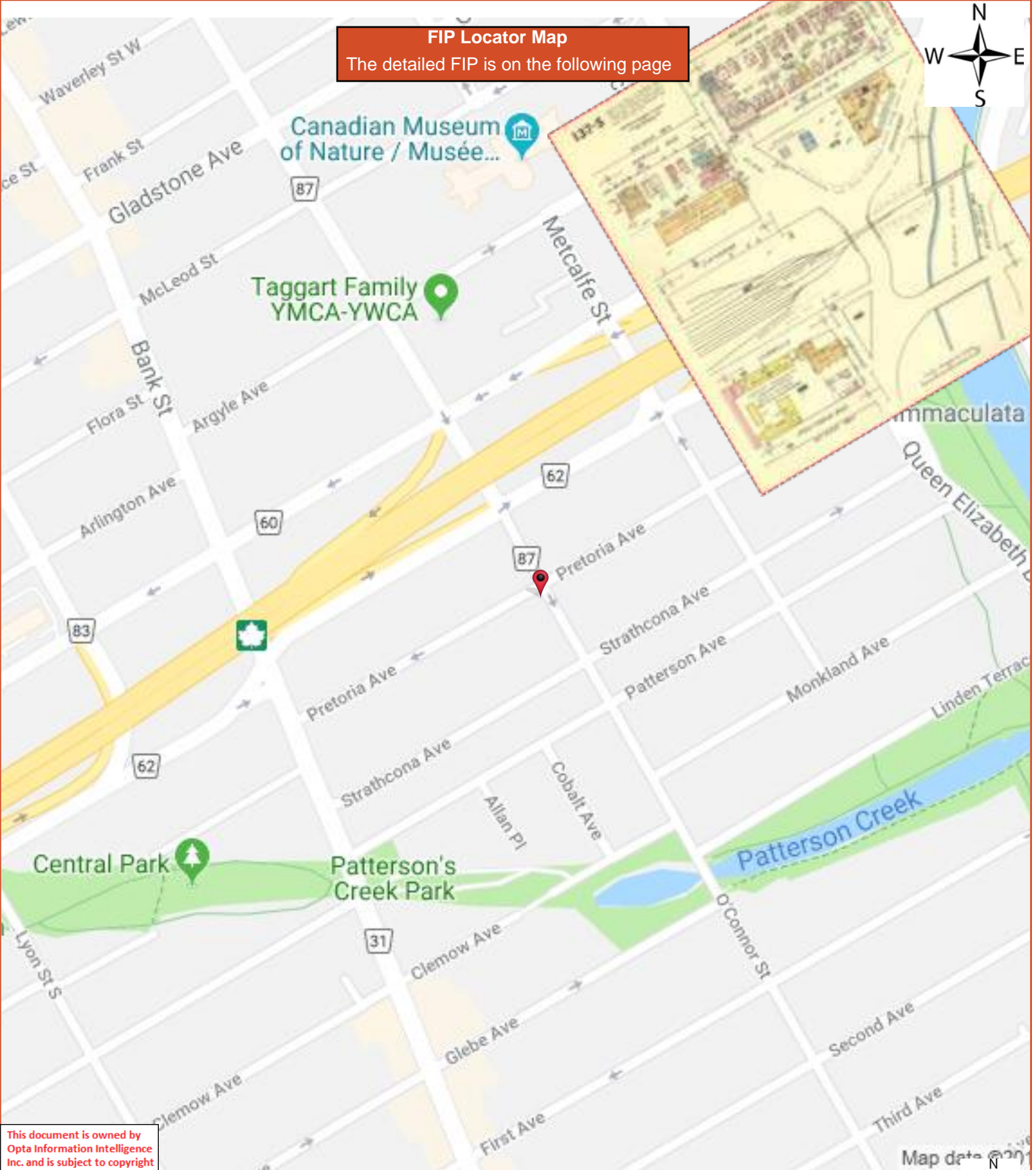


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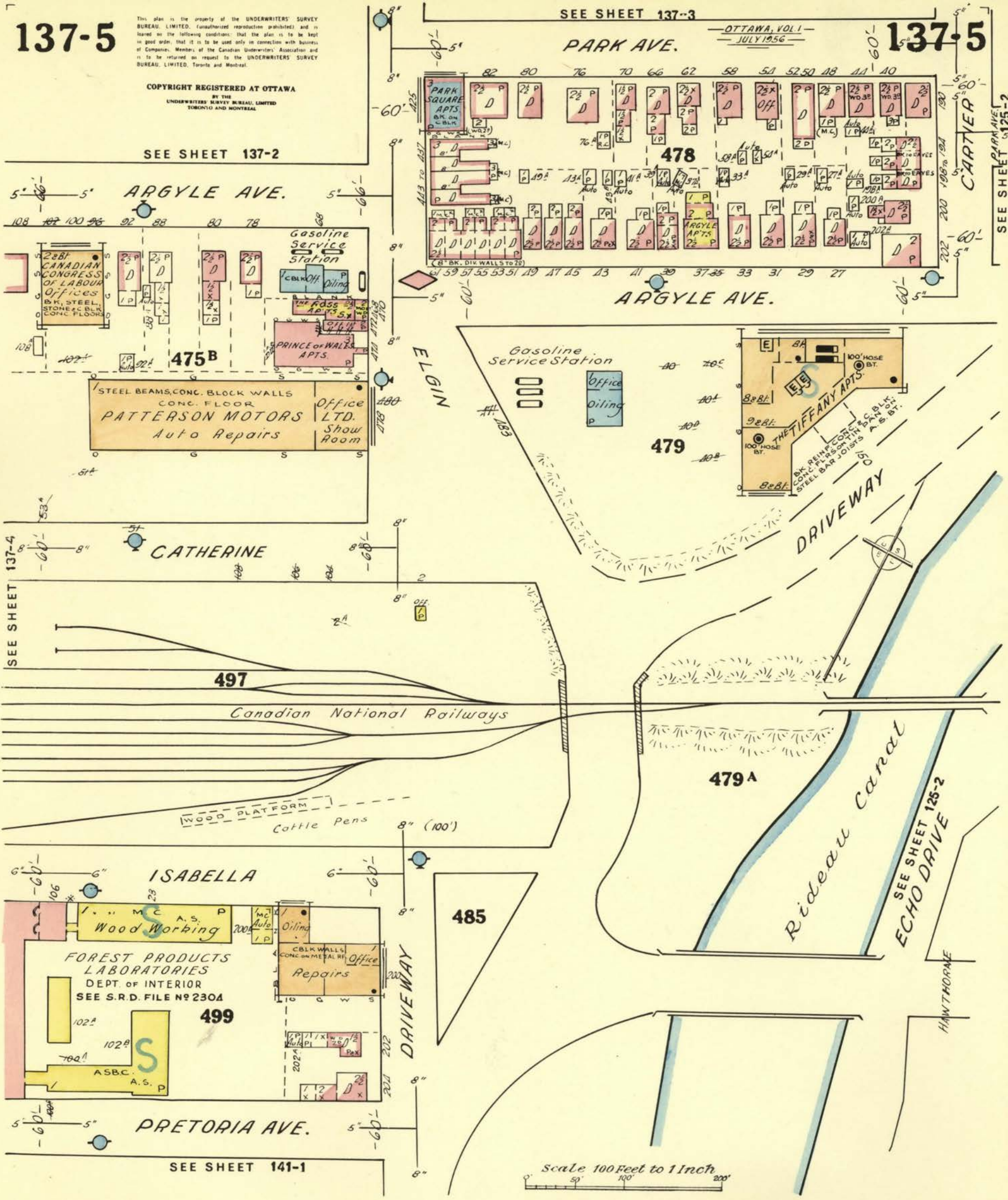


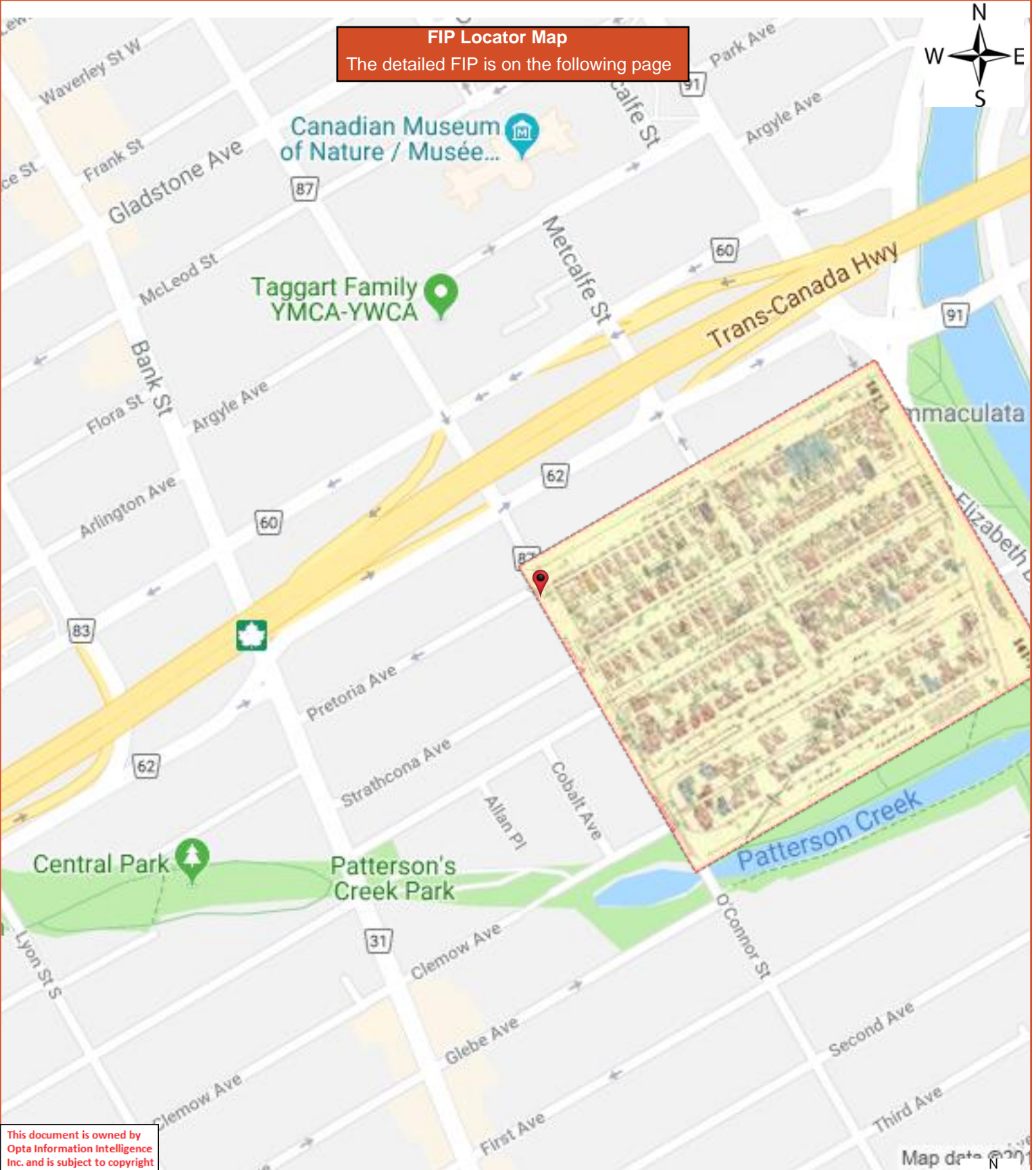


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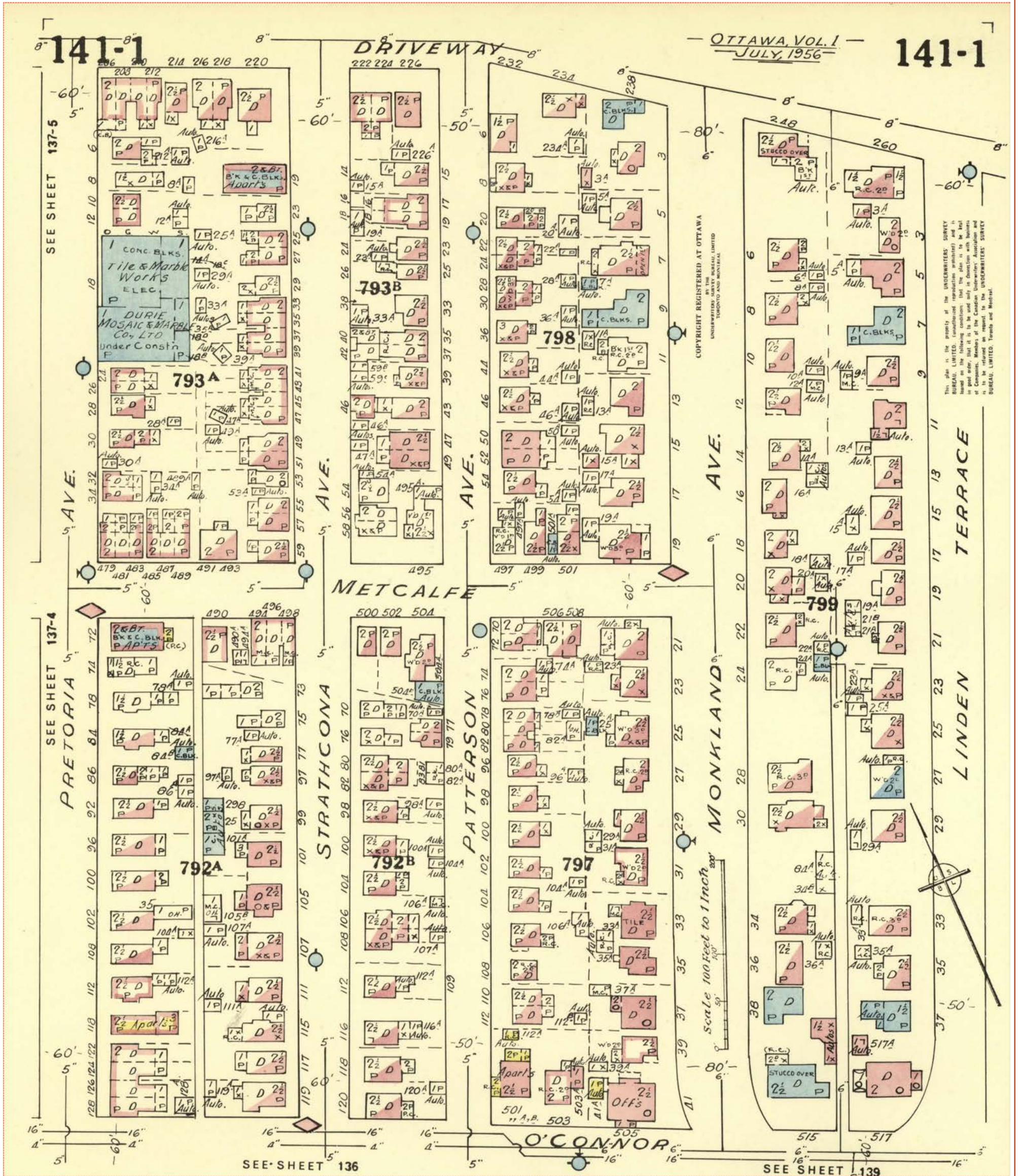


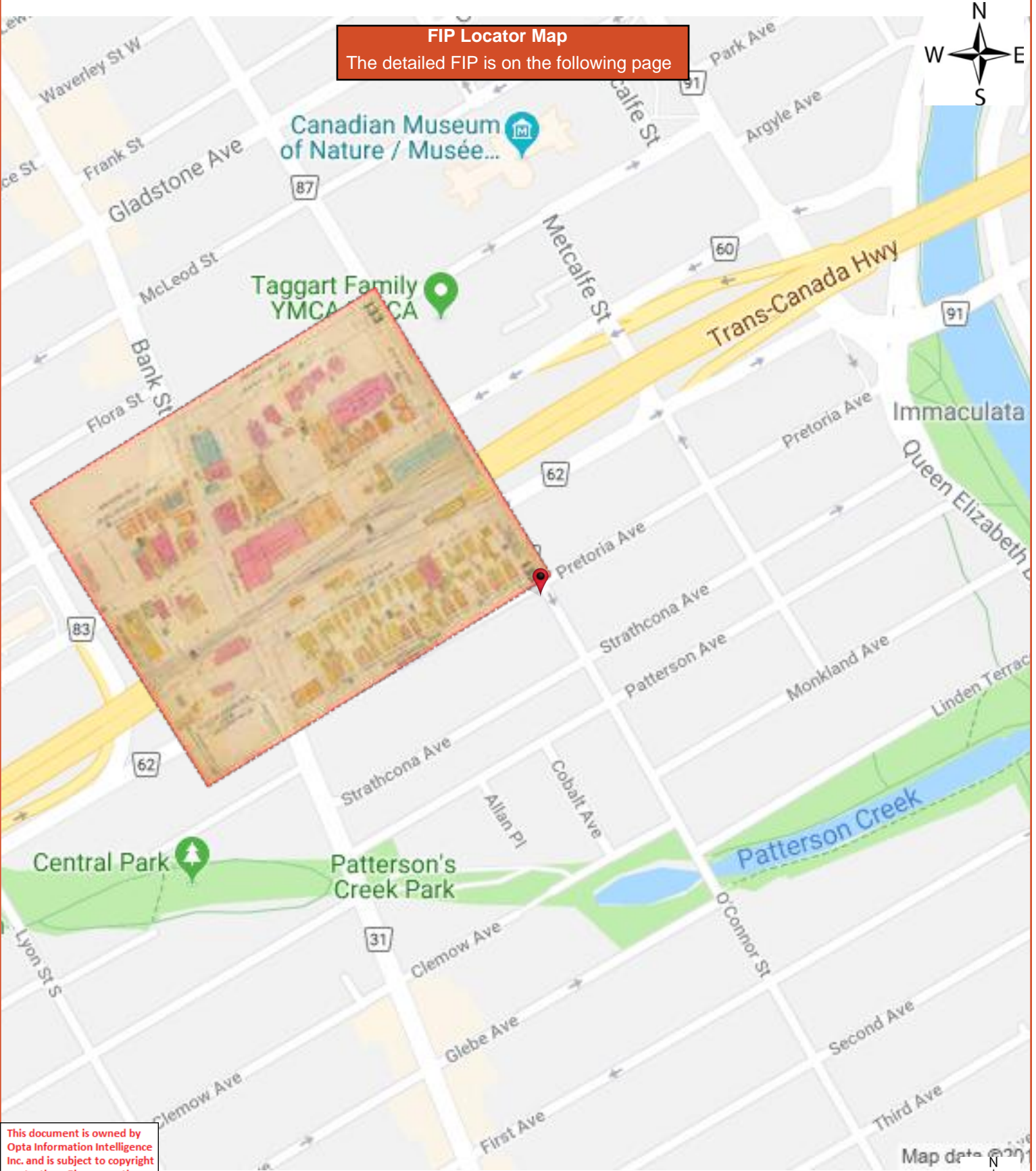


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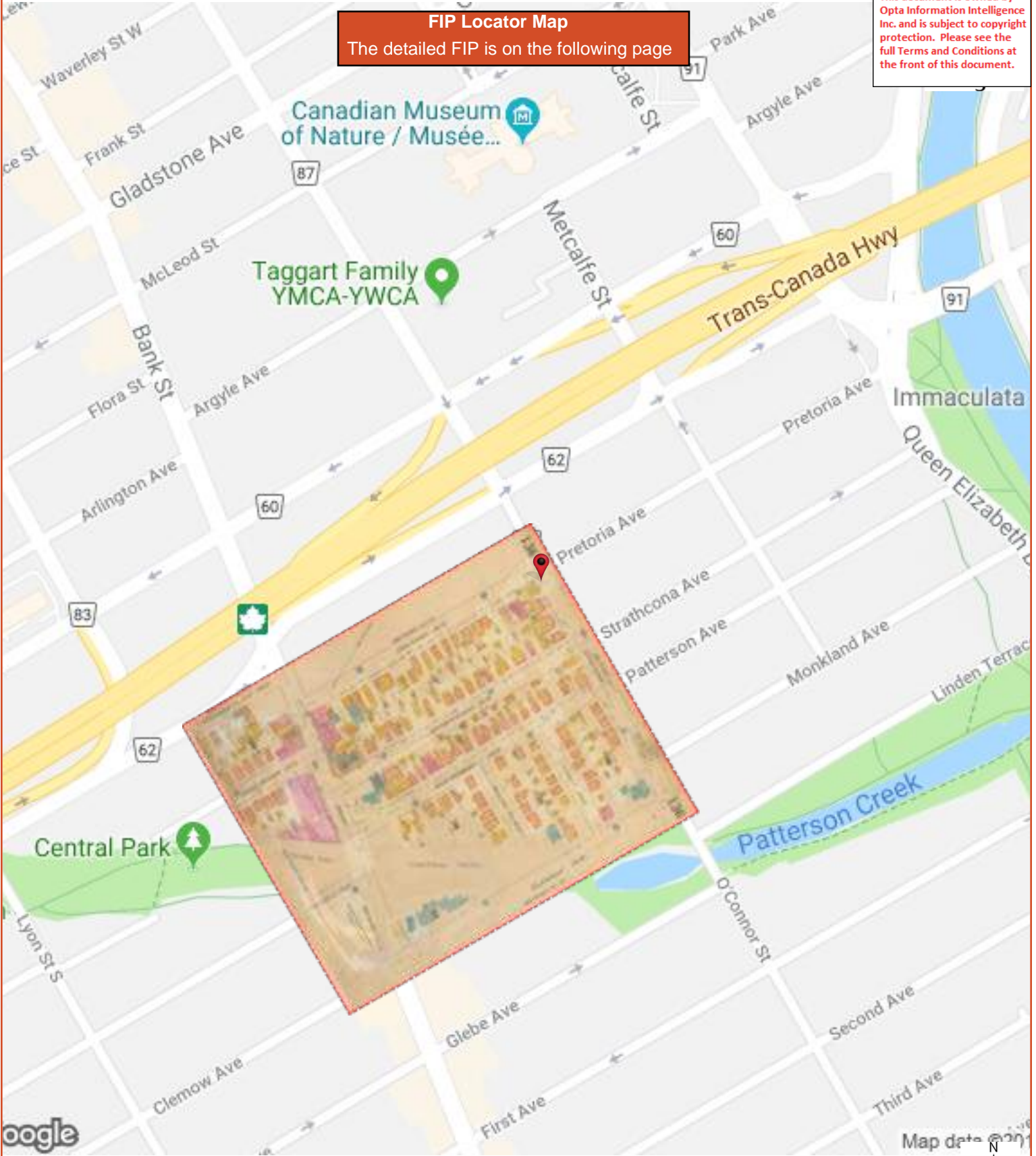
Map data © 2018





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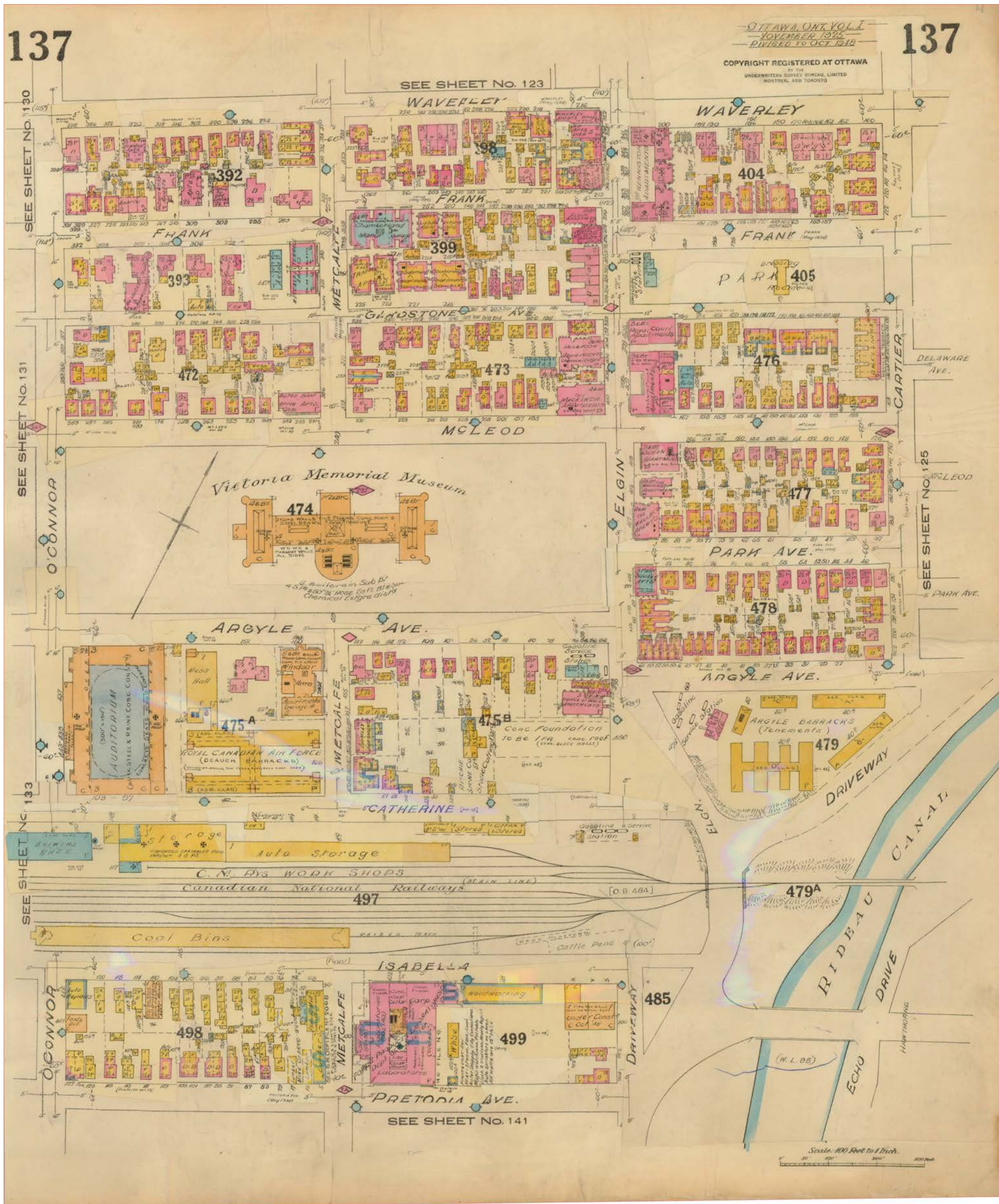


FIP Locator Map
The detailed FIP is on the following page



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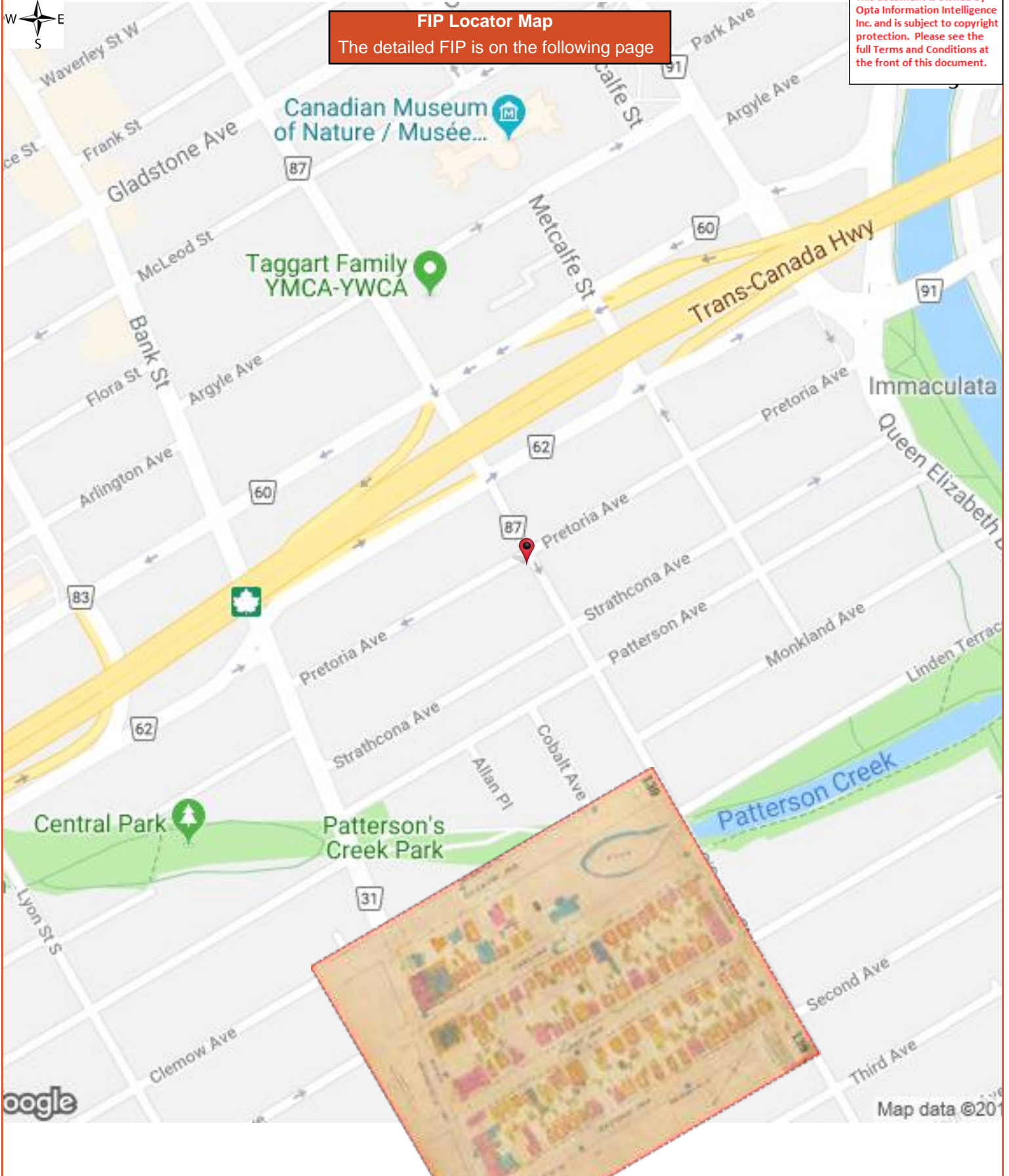




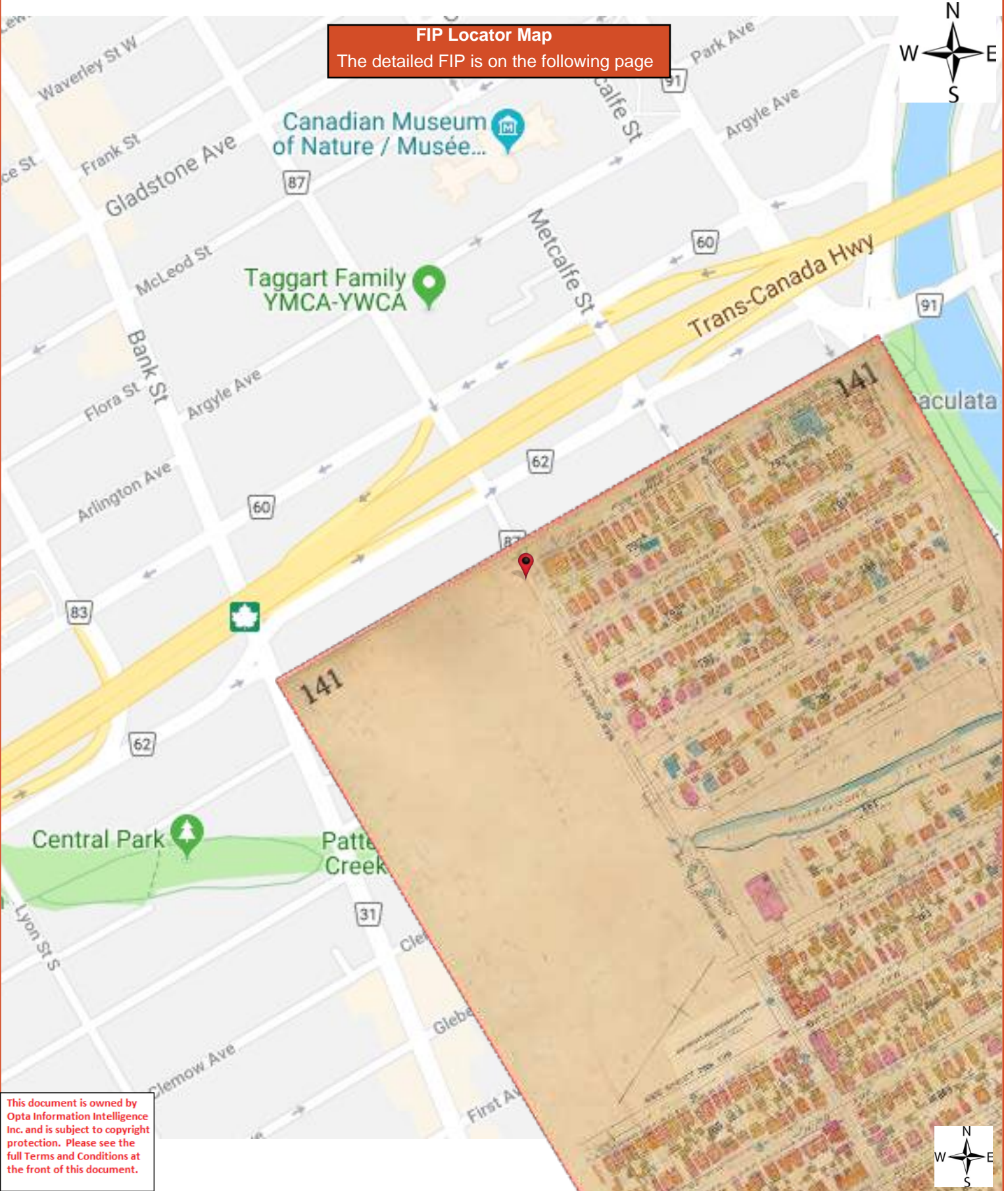


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Ministry of the Environment,
Conservation and Parks

Ministère de l'Environnement, de
la Protection de la nature et des
Parcs



Freedom of Information and
Protection of Privacy Office

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

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

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

September 24, 2018

Carolyn Miller
BluMetric Environmental 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

Ministère de l'Environnement, de
la Protection de la nature et des
Parcs



Freedom of Information and
Protection of Privacy Office

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

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

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

September 24, 2018

Carolyn Miller
BluMetric Environmental 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.**

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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

Ministère de l'Environnement, de
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Parcs



Freedom of Information and
Protection of Privacy Office

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40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

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

October 22, 2018

Carolyn Miller
BluMetric Environmental 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,

A handwritten signature in black ink, appearing to read 'Janet Dadufalza', with a long horizontal flourish extending to the right.

for Janet Dadufalza
FOI Manager

Attachments

hwin
Administration

Search

Generator Details

Registration/Notification Number

ON2922783

Legal Company Name

Primary Name: LOBLAWS SUPERMARKETS LTD. Division Name: NA

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) NA Province / State (if outside Canada / US) NA
 Country: Canada

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 Post Box Number: 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
 Country: Canada



Ministry of the Environment

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hwin
Administration

Search

Go

Company Name: Loblaw #1095
Company Number: ON5506049 (Generator)

Active Waste Classes

Active Waste Class Listing

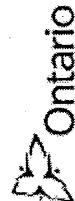
[Add New Waste Class](#) [Inactive waste classes](#)

Active Off-site Waste Classes

Waste Class	View Details	Hazardous Waste Number (per waste stream)	Reg. 347 Schedules	Disposal Method	Part 2B required complete	Part 2B State	Physical Off-Site	Status	UnRegister Waste Class
112 - C	View Details	D002	5, 13	Land Disposal	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
112 - C	View Details	D002	5, 13	Land Disposal	Y	Solid	Off-Site	Active	<input type="checkbox"/>
122 - C	View Details	D002	5, 13	Land Disposal	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
122 - C	View Details	D002	5, 13	Land Disposal	Y	Solid	Off-Site	Active	<input type="checkbox"/>
145 - I	View Details	D001	5, 13	Land Disposal	Y	Liquid	Off-Site	Active	<input type="checkbox"/>
145 - I	View Details	D001	5, 13	Land Disposal	Y	Solid	Off-Site	Active	<input type="checkbox"/>
145 - L	View Details	N/A				Liquid	Off-Site	Active	<input type="checkbox"/>
146 - T	View Details	D009	5, 13	Land Disposal	Y	Solid	Off-Site	Active	<input type="checkbox"/>

262 - L View Details N/A						Liquid	Off-Site	Active	<input type="checkbox"/>
263 - A View Details P001	2A	Land Disposal	Y	Y		Liquid	Off-Site	Active	<input type="checkbox"/>
263 - A View Details P001	2A	Land Disposal	Y	Y		Solid	Off-Site	Active	<input type="checkbox"/>
263 - C View Details D002	5, 13	Land Disposal	Y	Y		Liquid	Off-Site	Active	<input type="checkbox"/>
263 - C View Details D002	5, 13	Land Disposal	Y	Y		Solid	Off-Site	Active	<input type="checkbox"/>
263 - L View Details N/A						Liquid	Off-Site	Active	<input type="checkbox"/>
269 - L View Details N/A						Liquid	Off-Site	Active	<input type="checkbox"/>
269 - T View Details E109	5	Land Disposal	Y	Y		Liquid	Off-Site	Active	<input type="checkbox"/>
269 - T View Details E109	5	Land Disposal	Y	Y		Solid	Off-Site	Active	<input type="checkbox"/>
312 - P View Details N/A						Solid	Off-Site	Active	<input type="checkbox"/>
331 - I View Details D001	5, 13	Land Disposal	Y	Y		Gas	Off-Site	Active	<input type="checkbox"/>
331 - L View Details N/A						Gas	Off-Site	Active	<input type="checkbox"/>

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HOME AIR WATER LAND

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NEWS & PUBLICATIONS

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Search

Generator Details

Registration/Notification Number

ON3506049

Legal Company Name

Primary Name: Loblaw #1095

Company Operating Name

Primary Name: Loblaw #1095

Mailing Address

Division Building: NA
Address Line 1: 64 Isabella St.
Town/City: Ottawa
County: (if inside Ontario) OTTAWA CARLTON (RM)
County: (if outside Ontario) NA

Division Name: NA
Division Name: NA
Post Box Number: NA
Address Line 2: NA
Postal Code / Zip Code: K1S 1V4
Province/State (if inside Canada/US) ONTARIO
Province / State (if outside Canada / US) 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: NA
Address Line 1: 64 Isabella St.
Address Line 2: NA
Town/City: Ottawa
County: (if inside Ontario) OTTAWA CARLTON (RM)
County: (if outside Ontario) NA
Country: Canada

Post Box Number: NA
Postal Code / Zip Code: K1S 1V4
Province / State (if inside Canada / US) ONTARIO
Province / State (if outside Canada / US) NA



Search [input type="text"] [input type="button" value="Go"]

Company Name: Loblaw #1095
Company Number: ON5506049 (Generator)

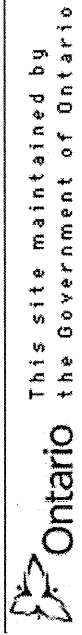
Inactive Waste Classes

Inactive Waste Class Listing

[Add New Waste Class](#) [Active waste classes](#)

Inactive Off-site Waste Classes

Waste Class	Physical State	Off-Site	Status	Activate	View Details
145 - H	Liquid	Off-Site	Inactive	<input type="radio"/>	View Details



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Technical inquires to Webmaster.
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Search

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

Waste Class	View Details	Hazardous	Reg. 347 Waste Number	Disposal Method	Part 2B complete	Physical State	Off-Site Status
252 - L	View Details	N/A	(per waste stream)	required	complete	Liquid	Active Site

waste crankcase oils and lubricants

Back



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OCCURENCE REPORT

Location of Occurrence: OTTAWA CITY 64 ISABELLA DRIVE Reg: 4 Dist: OT Municipality: 20101		Source: DRAIN-ALL TRANSFER/PROCESSING STATION Sector: Source: SIC: UTM: N: [5026000] E: [447000] Zone: [18]	
Entered: 1999/04/08 15:34	ORIS No. 9940000351	Abstracts: 0	Diaries: 0
Received By: PAUL KEHOE		Batch: 3113	I. E. B. No.
Occurrence Type: N	Subtype: 99	Occurrence Date:	1999/04/08
Work Plan:	WH	Occurrence Time:	15:00
Reported By: DRAIN-ALL WASTEMANAGEMENT COMPANY		Report to MOE: 1999/04/08 15:00 MOE at Scene:	
Telephone No. 613-739-1070 x	Alternate No. x	Assigned To:	PAUL KEHOE
Address: 2705 STEVENAGE DR GLOUCESTER Postal Code:		ERP Contacted: Callout: <input type="checkbox"/>	NSP: <input type="checkbox"/>
ERP Name:			
Syn: GENERATOR NUMBER ISSUED			
Brief Summary: ISSUED GENERATOR NUMBER ONS0402PK4 FOR MANIFEST AA61934-3 FOR A PICKUP AT A SPILL SITE AT LOBLAWS			
If there are related reports, record initial/master ORIS No. here >>			
Followup Action: X Abatement IEB Other			
BF Date: GENERATOR NUMBER ISSUED			
File Closed: Y Abatement: IEB Other			
Suspected Violation:			
Report Prepared By: PAUL KEHOE	Date: 04/08/99	IEB Investigator:	IEB BF Date
Approving Officer BARRIE REYNOLDS	Date: 04/08/99	Reviewing Officer:	Date
Specify number(s) for routing Original [] [] [] [] [] []		Continued [] Yes	
Specify number(s) for copy distribution [] [] [] [] [] []			
1. Investigator/E.O.	2. D. O. /File	3. SAC (initial spills)	
4. Reg. Dir. / _____ Mgr.	5. IEB Reg. Spv	6. IEB H.O./file	7. Other _____
SAC Action Class: 1: 2:			



Material 1: N/A	Code :
Amount :	UN No.:
Material 2:	Code :
Amount :	UN No.:
Material 3:	Code :
Amount :	UN No.:
Cause :	Code . . :
Reason :	Code . . :

Person in Control:
Owner :
Agencies Involved :

Waste GenNum :
Waste GenNum :

Clean up and Restoration Carried out by:	
[v] Controller	[v] Owner [N] Other
% Cleaned up:	Estimated Cost:
Were Directions or Approval Given Under	
EPA Part X [v]	Regulation 362 [v] Manifest No.
Waste Class :	Code . . . :
Hauler :	Code . . . :
Disposal Site :	Code . . . :
Environmental Impact:	Nature of Impact:
	Code . . . :
People/Business Damaged	
(Other than to Owner/Controller) :	
Nature of Damage:	Code . . . :

INCIDENT REPORT

Reference Number:	7708-7UFND5	File Storage Number:	SI OC 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 Reference Number:	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 (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

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

Yes
 No
 To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:			
	First Name	Last Name	
	Doug	Kehoe	
Contact Mailing Address			
Municipality:			
Ottawa			

Reported By:	
--------------	--

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(s)

Client Details

Site(s)

Site Details
Loblaws Address: 64 Isabella St, Ottawa, City District Office: Ottawa Site #: 4207-7UFNAY

Incident Information

Incident Summary:	Cosmetic Pesticide Ban- Class 8s For Sale <i>cannot be longer than 60 characters</i>
Incident Description:	On a proactive outreach visit conducted by summer students Kyle Straberger and Doug Kehoe class 8 pesticides were observed on display for sale. The PCP # of the product was 20563. Also at the time of the visit cashiers did not have any class 7 handouts available. A manager was asked to remove to the banned products and provide class 7 handouts. Fact sheets regarding the CPB were provided. No further action required.

Links & Comments:	
Attachments Names:	

Date & Time of Incident	Incident Date Confirmation? Actual 2009/06/18		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

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

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

Voluntary / Mandatory Abatement

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

Voluntary / Mandatory Compliance Items

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

Offence(s)

Suspected Violation(s)/Offence(s):	
Act - Regulation - Section, Description {General Offence} 1) PA - 7.1 (4), Despite section 6, no person shall sell, offer to sell or transfer a pesticide that has been prescribed for the purpose of this subsection {42 (1)}	

Provincial Officer:

Name: Doug Kehoe

Badge No:

Work Unit: Program Services

District/Area Office: Eastern Region

Date: 2009/08/14

Signature:

Area Supervisor:


Name: Paul Kehoe

Work Unit:

District/Area Office:

Date: 2009/08/18

Signature:





345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1626
Toll Free: 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,

Gaya Nair

Gaya Nair
Public Information Services



345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

18 October 2018

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 publicinformationservices@tssa.org.

Yours truly,

Gaya 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,

A handwritten signature in blue ink, appearing to read "M. Rick O'Connor".

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,

A handwritten signature in blue ink, appearing to read "M. Rick O'Connor", with a stylized flourish at the end.

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



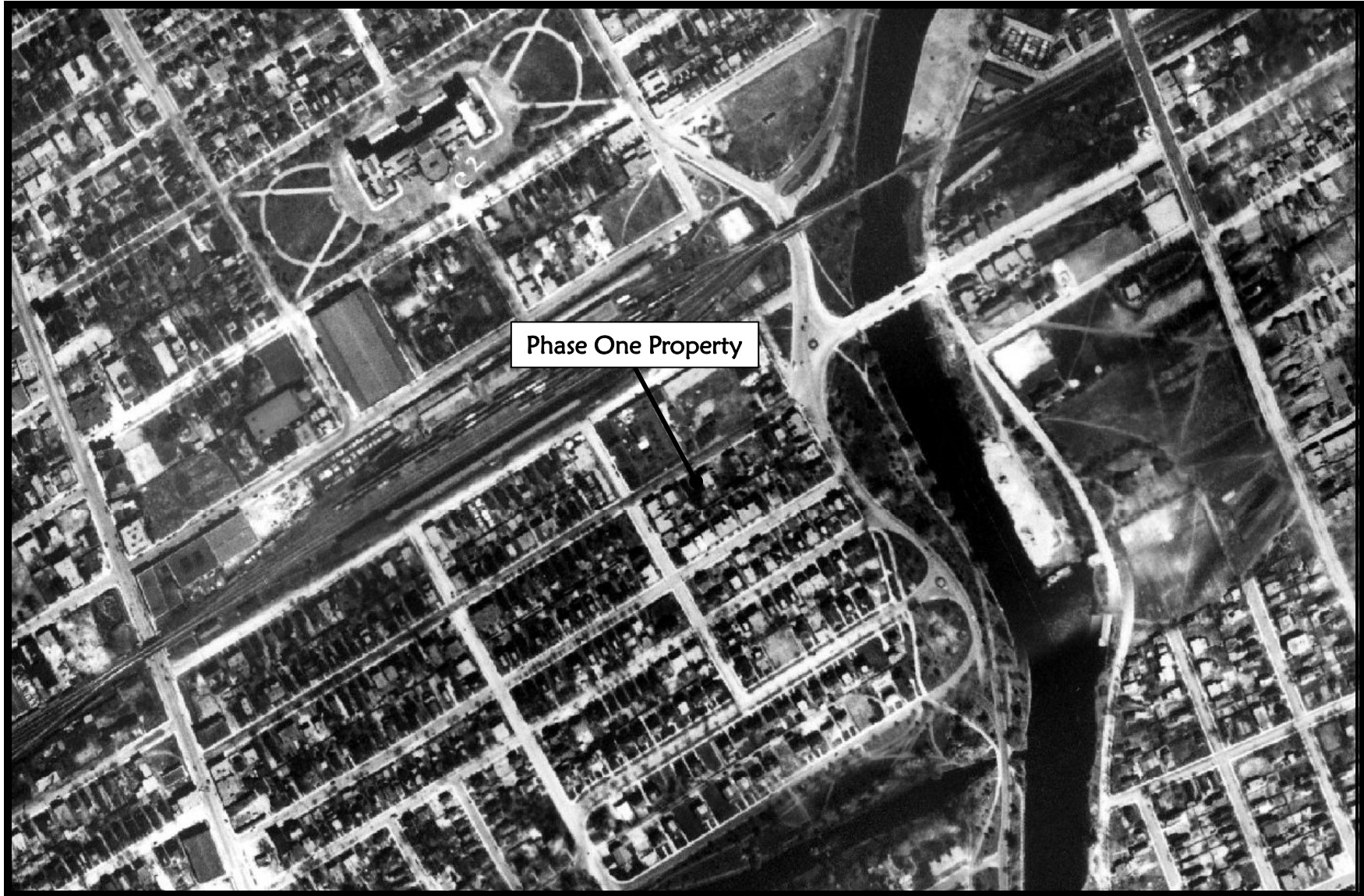
Photo 18: The Phase One Study Area
(residential development to the west)
Provided by: Google Earth



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

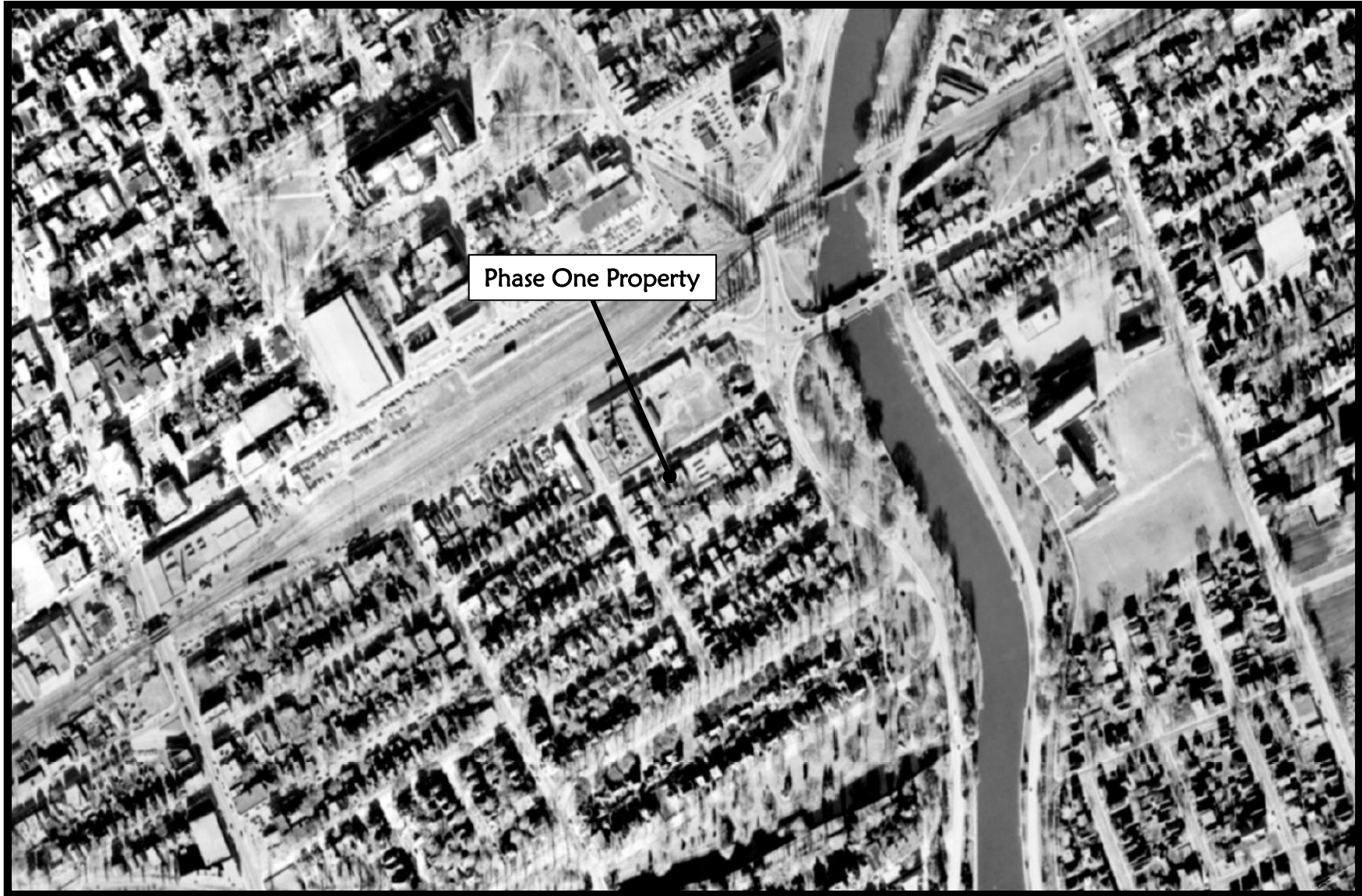


Historical Aerial Photography of the Phase One Property - 1928
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623



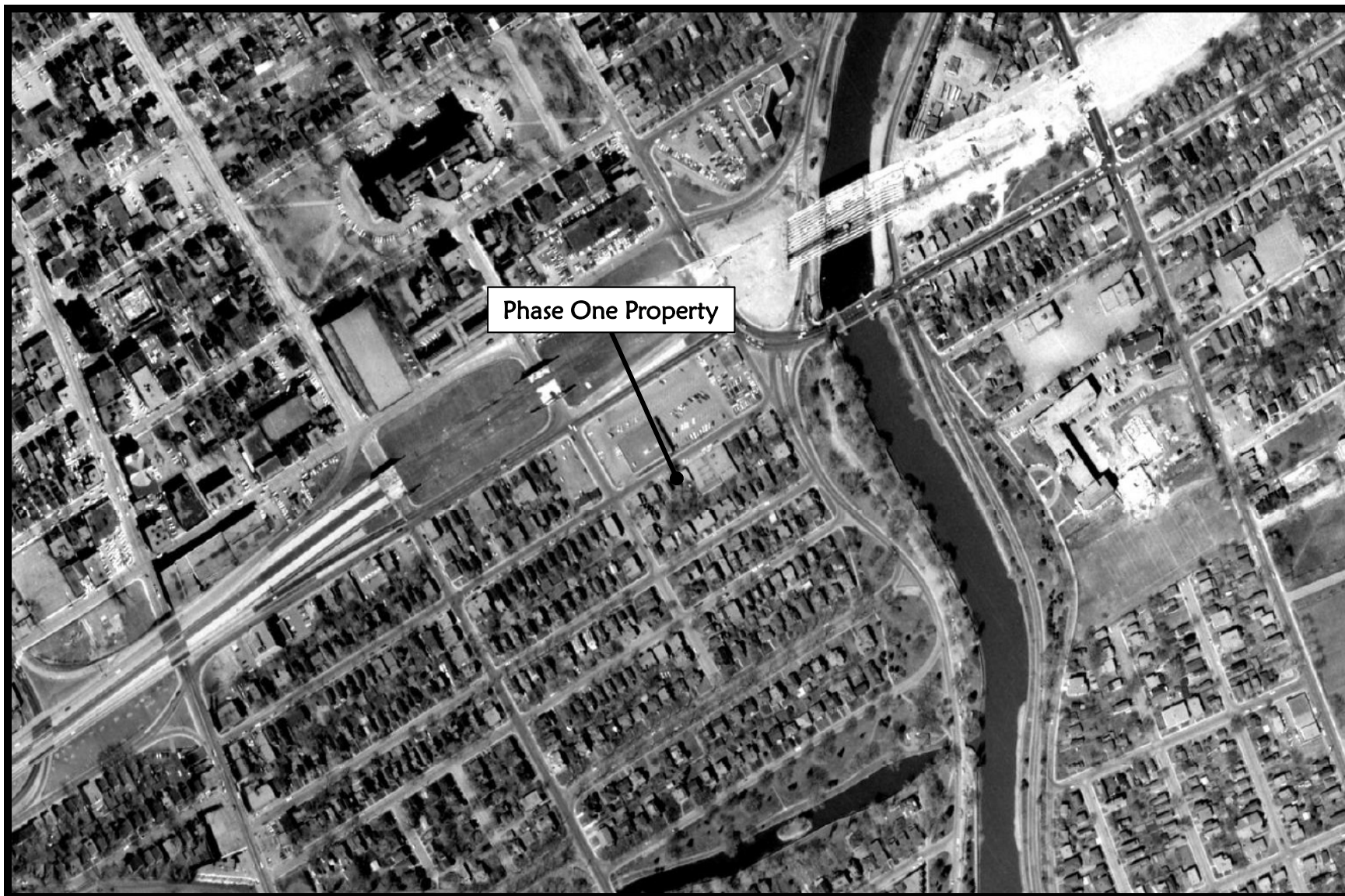


Historical Aerial Photography of the Phase One Property - 1958
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623





Historical Aerial Photography of the Phase One Property - 1965
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623





Historical Aerial Photography of the Phase One Property - 1976
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623





Historical Aerial Photography of the Phase One Property - 1991
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623





Historical Aerial Photography of the Phase One Property - 2007
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623





Historical Aerial Photography of the Phase One Property - 2013
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623



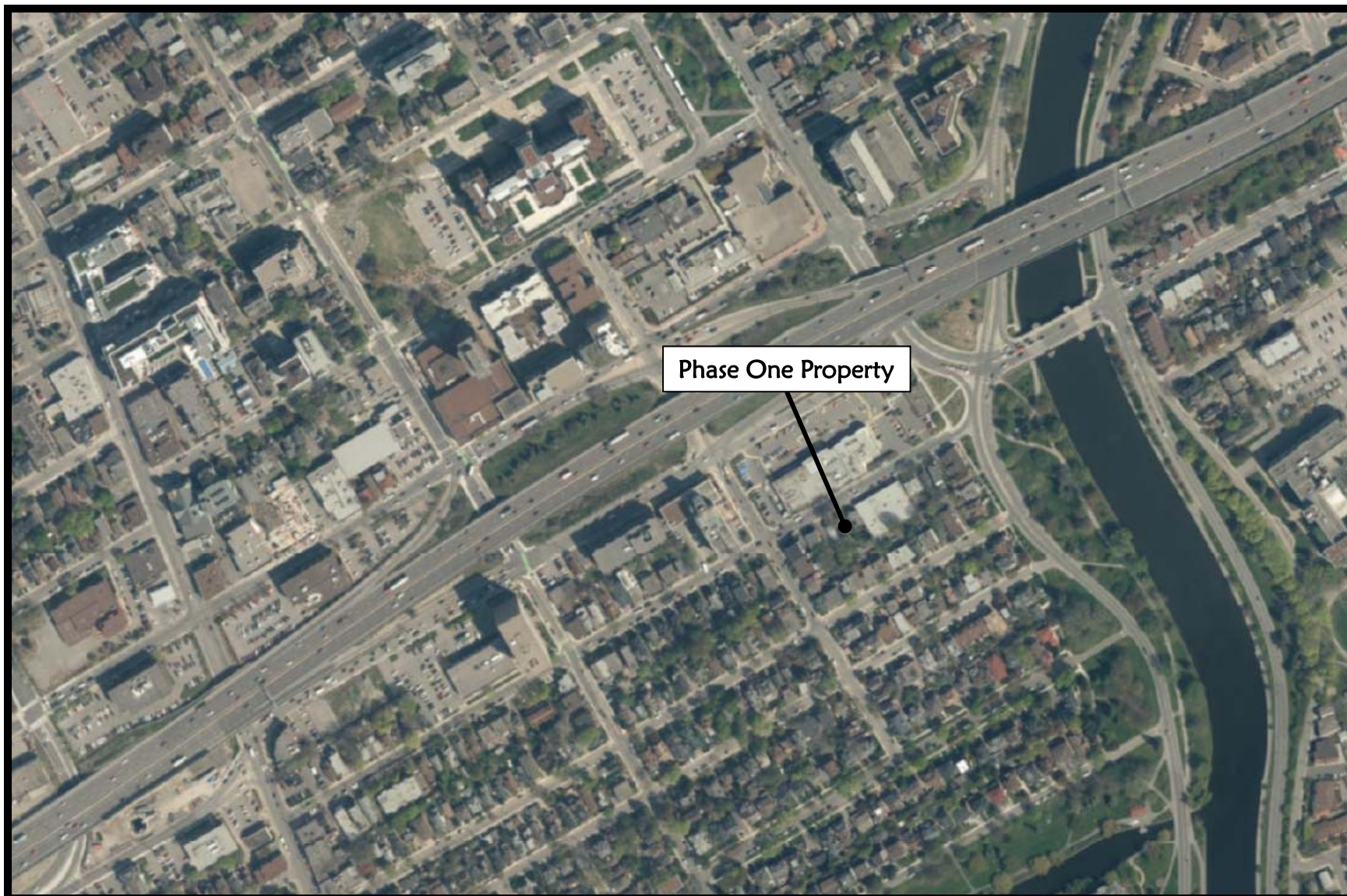


Historical Aerial Photography of the Phase One Property - 2014
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623





Historical Aerial Photography of the Phase One Property - 2017
28&30 Pretoria Avenue, Ottawa, Ontario



September 2018
180623



APPENDIX D

ASSESSOR CREDENTIALS

This appendix includes the curriculum vitae for:

- Carolyn Miller
- Karen Greer



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. Papadopoulos & 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 DQRA, Remedial Options Analysis and Risk Management Plan 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.



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): Iogen 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).



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