

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



Project No.: OCP-18-0056

Prepared for:

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McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by BluePrint Construction Services Ltd. (BluePrint) to conduct a Phase One Environmental Site Assessment (ESA) for the properties located at 119 and 121 Beechwood Avenue in Ottawa, Ontario (“the Site”). The Site is bounded to the north by 9 Chapleau Avenue, to the east by 123 Beechwood Avenue, to the west by Chapleau Street and south by Beechwood Avenue. The Site currently consists of two 2-storey buildings with basements. Two sheds are present behind 121 Beechwood.

It is understood that this Phase One ESA is being completed as a component of the City of Ottawa site plan submission process, in support of an application to construct a two-storey office building with an associated outdoor parking lot to the north.

The Phase One ESA has been prepared in general accordance with the requirements of Ontario Regulation (O.Reg.) 153/04 as amended. The report is also in general compliance with “Phase I Environmental Site Assessment”, Canadian Standards Association (CSA) standard CSA Z768-01, reaffirmed 2016.

Based on a review of aerial photographs, historical information, and interviews, the Site was developed to its current configuration prior to 1928.

No PCAs were identified at, on, or under the Site.

Six offsite PCAs were identified in the Phase One ESA Study Area.

- 131 Beechwood Avenue
 - Commercial automotive garage (FIPs)
- 188 Beechwood Avenue
 - Commercial automotive garage (Site Visit)
 - TSSA expired facility for full-serve retail fuel outlet (EcoLog ERIS)
 - 58400 L Retail fuel storage tank (Ecolog ERIS)
 - Ontario spill record – 2L of gasoline (Ecolog ERIS)
- 110 Beechwood Avenue – Monson Deluxe Cleaners – Dry Cleaning Operation
 - Operation of on-site dry cleaning equipment (Site visit, Ecolog ERIS)
- 67 Beechwood Avenue – Ontario Spill Records
 - Over 100 L of transformer oil to road and catch basins (Ecolog ERIS)
- 64 Beechwood Avenue – Ontario Spill Records
 - 135 L of diesel fuel to road and catch basin (Ecolog ERIS)
- 135 Alice Street – Ontario Regulation 347 Waste Generator

- PCBs (Ecolog ERIS)

The above noted PCA is not considered to result in an APEC for the Site. All PCAs with the exception of 188 and 131 Beechwood Avenue, are down gradient of the Site. Due to separation distance and road/service trenches between 131 and 188 Beechwood Avenue and the Site, these properties are also considered to have minimal potential to represent environmental concerns to the Site.

A Phase 2 ESA is not recommended at this time. The off-site PCAs are not considered to result in APECs for the Site. However, the fuel storage container in the shed of 121 Beechwood and large amount of floor buffer chemical in basement of 121 Beechwood should be removed before demolition. Furthermore, based on the observed age of the buildings and the observation of mould-like substances at the basement entrance of 119 Beechwood Avenue, it is recommended that a Designated Substance Survey be undertaken at the Site prior to demolition.

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1.0 INTRODUCTION

McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) was retained by BluePrint Construction Services Ltd. (BluePrint) to conduct a Phase One Environmental Site Assessment (ESA) for the properties located at 119 and 121 Beechwood Avenue in Ottawa, Ontario (“the Site”). The Site is bounded to the north by 9 Chapleau Avenue, to the east by 123 Beechwood Avenue, to the west by Chapleau Street and south by Beechwood Avenue. The Site currently consists of two 2-storey buildings with basements. Two sheds are present behind 121 Beechwood.

It is understood that this Phase One ESA is being completed as a component of the City of Ottawa site plan submission process, in support of an application to construct a two-storey office building with an associated outdoor parking lot to the north.

The Site location is shown on Figure 1 (Site Location). The Site layout and features, including on-site land use, are shown on Figure 2 (Site Layout).

The intended future use of the Site will be a two-storey office building with retail on the ground floor.

1.1 Phase One Property Information

The Site consists of two land parcels, 119 and 121 Beechwood Avenue.

- 119 Beechwood Avenue is occupied by a 2 storey building with basement. The building features a poured concrete foundation with stucco veneer siding. An asphalt parking lot is located directly north of the building. This building was occupied by multiple commercial tents at time of the inspection.
- 121 Beechwood Avenue is occupied by a 2 storey building with basement. The building features a poured concrete foundation with vinyl siding. Two storage sheds are located directly north of the building. This building is was vacant at the time of inspection.

The Site is zone TM8, which is Traditional Mainstreet Zone, subzone Beechwood Avenue as described under section 197-198 of the City of Ottawa Zoning by-laws.

The Zoning allows for the intended future use of the property.

The total area of the Site is approximately 0.055 hectares (ha).

1.1.1 Property Identification

The legal description of the Site is as follows;

- 119 Beechwood Avenue – Plan 74 W PT LOT 17; Beechwood N Dentist, PIN – 042250157
- 121 Beechwood Avenue – Plan 74 E PT LOT 17, PIN – 042250156

1.1.2 Property Ownership and Contact Details

McIntosh Perry was retained to complete this Phase One ESA by BluePrint Construction Services Ltd., property owner representatives. McIntosh Perry's site contact person for the Site is Phil Lalonde of BluePrint. Mr. Lalonde can be contacted at phil.lalonde.211@gmail.com.

1.1.3 Current and Proposed Future Uses

- 119 Beechwood Avenue is occupied by a 2 storey building with basement. The building features a poured concrete foundation with stucco veneer siding. An asphalt parking lot is located directly north of the building. This building was occupied by multiple commercial tents at time of the inspection.
- 121 Beechwood Avenue is occupied by a 2 storey building with basement. The building features a poured concrete foundation with vinyl siding. Two storage sheds are located directly north of the building. This building is was vacant at the time of inspection.

The intended future use of the Site will be a two-storey office building with retail on the ground floor.

1.2 Surrounding Land Use

Land use in the vicinity of the Site is predominantly residential and commercial.

2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary environmental screening tool designed to provide a qualitative assessment of the environmental condition of a site, based on a desktop review of available documentation pertaining to the site and observations made during a site visit. Sampling and chemical analysis of soils, groundwater, and/or other materials/substances are beyond the scope of work for a Phase One ESA.

The Phase One ESA has been prepared in general accordance with the requirements of the following legislation:

- Ontario Regulation (O.Reg.) 153/04 - Records of Site Condition (as amended).

The report is also in general compliance with:

- “Phase One Environmental Site Assessment”, Canadian Standards Association (CSA) standard CSA Z768-01, Reaffirmed 2016.

A designated substances survey was not completed as part of the current investigation.

The subject property is not an ‘Enhanced Investigation Property’ as defined in O.Reg. 153/04 (as amended).

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

The Phase One Study Area includes the following properties:

- The Site
- All properties within approximately 250m of the Site boundary (Phase 1 Study Area)

The Phase One ESA Study Area, including surrounding land uses, is shown on Figure 2 (Study Area) and Figure 3 (Surrounding Land Use).

3.1.2 First Developed Use Determination

The Site is currently occupied by two 2-storey buildings. Based on a review of aerial photographs and historical information, the Site appears to have been developed to its current use and general configuration prior to 1928 (i.e. two 2-storey buildings).

3.1.3 Fire Insurance Plans

The Catalogue of Canadian Fire Insurance Plans (FIPs) was searched as part of this Phase One ESA. Records from 1956 were obtained as part of the EcoLog Eris search. The FIPs show the Site as occupied by two 2-storey residential dwellings, addressed as 119 and 121 Beechwood Avenue. Automotive garages are present directly north of dwellings. The FIPs did not identify any PCAs with respect to the Site.

Based on review of the FIPs, the following environmental concerns were noted within 250 m of the subject property:

- A commercial automotive garage at 131 Beechwood Avenue.

FIPs are included as part of Appendix B.

3.1.4 Chain of Title

A Chain of Title search was not conducted as part of this report.

3.1.5 Reports by Others

No reports by others were available for review.

3.1.6 City Directories

The City Directory was searched as part of this Phase One ESA, results are from 1964 to 2011. The directory lists 119 and 121 Beechwood Avenue as “Address Not Listed” between 1964 and 1991. 121 Beechwood is listed as “Single Tenant Residential” from 1997 to 2011 after which it is listed as a commercial business. 119

Beechwood Ave is listed as “Single Tenant Residential” in 1997, after which to present day it is listed under multiple commercial businesses.

Based on review of the City Directories, the commercial business listed are not considered to represent environmental liability for the Site.

3.2 Environmental Source Information

McIntosh Perry completed a records review to obtain information about the Site pertaining to items of actual and/or potential environmental concern.

3.2.1 Databases Searched

McIntosh Perry obtained information contained in the databases listed below from EcoLog ERIS of Toronto, Ontario. Details about the sources of information and the years included for each database, as well as the pertinent information obtained from these databases are included in the EcoLog ERIS report, provided as Appendix A.

Federal Government Databases:

- Environmental Effects Monitoring
- Environmental Issues Inventory System
- Federal Convictions
- Contaminated Sites on Federal Land
- Fisheries & Oceans Fuel Tanks
- Indian and Northern Affairs Fuel Tanks
- National Analysis of Trends in Emergencies System (NATES)
- National Defence & Canadian Forces Fuel Tanks
- National Defence & Canadian Forces Spills
- National Defence & Canadian Forces Waste Disposal Sites
- National Environmental Emergencies System (NEES)
- National PCB Inventory
- National Pollutant Release Inventory
- Parks Canada Fuel Storage Tanks
- Transport Canada Fuel Storage Tanks

Provincial Government Databases:

- Abandoned Aggregate Inventory
- Aggregate Inventory
- Abandoned Mines Information System
- Certificates of Approval
- Coal Gasification Plants

- Compliance and Convictions
- Drill Holes
- Environmental Registry
- Ontario Regulation 347 Waste Generators Summary
- Mineral Occurrences
- Non-Compliance Reports
- Ontario Oil and Gas Wells
- Ontario Inventory of PCB Storage Sites
- Ministry Orders
- Occurrence Reporting Information System
- Pesticide Register
- Private Fuel Storage Tanks
- Ontario Regulation 347 Waste Receivers Summary
- Record of Site Condition
- Wastewater Discharger Registration Database
- Waste Disposal Sites – MOE CA Inventory
- Waste Disposal Sites – MOE 1991 Historical Approval Inventory
- Water Well Information System

Private Databases:

- Anderson's Waste Disposal Sites
- Automobile Wrecking and Supplies
- Commercial Fuel Oil Tanks
- Chemical Register
- ERIS Historical Searches
- Canadian Mine Locations
- Oil and Gas Wells
- Canadian Pulp and Paper
- Retail Fuel Storage Tanks
- Scott's Manufacturing Directory
- Anderson's Storage Tanks

3.2.2 Database Findings Relevant to the Phase One ESA

The databases searched by EcoLog ERIS contained the following information pertaining to the Site:

- Twenty Five (25) Borehole record
- One (1) Certificate of Approval record
- Eighteen (18) Environmental Compliance Approval records
- Thirteen (13) ERIS Historical Searches records
- Eight (8) List of TSSA Expired Facilities records

- Thirty Eight (38) Ontario Regulation 347 Waste Generators records
- One (1) TSSA Historic Incidents record
- One (1) TSSA Pipeline Incidents record
- One (1) Private and Retail Fuel Storage Tanks record
- One (1) Record of Site Condition record
- Five (5) Scott's Manufacturing Directory records
- Eight (8) Ontario Spills records
- Nine (9) Water Well Information System record

Relevant information from the EcoLog ERIS report is summarized as follows:

Boreholes

No boreholes were listed on the subject property. Twenty-five boreholes were recorded within 250 m of the subject property. Borehole records are summarized in the Table below:

Table 1: Borehole Records

Borehole ID	Location relative to site	Completion Depth (m bgs)	Depth to Bedrock (m bgs)	Static Water Level (m)
801137	29.5 m southeast	3	0.3	2.6
801142	32.8 m south	3.4	0.6	-
801147	47.8 m south southwest	3.4	0.6	-
801135	55.3 m east	3.4	0.8	-
613778	63.1 m east	3.4	0.8	-
801152	72.4 m southwest	3.4	0.9	-
801132	80.0 m east	3	0.5	2.1
808865	90.9 m east northeast	3.8	1.1	-
801156	101.0 m southwest	3.8	2.7	3.5
613770	101.2 m southwest	3.8	2.7	-
801130	105.6 m east northeast	5.2	2.3	-
801128	129.4 m east northeast	5.8	4.9	2.6
801174	138.1 m southwest	4	0.5	-
801124	157.4 m east northeast	5.8	N/A	-
801176	164.8 southwest	4	N/A	2.5
808863	179.7 m west northwest	4	2.0	1.2
801122	191.7 m northeast	6.2	5.8	-
808859	192.2 m southwest	4.2	N/A	0.6
613782	203.0 m east northeast	6.2	5.8	-
801180	203.0 m southwest	3.7	0.9	-
801116	216.1 m northeast	6	5.5	-

Borehole ID	Location relative to site	Completion Depth (m bgs)	Depth to Bedrock (m bgs)	Static Water Level (m)
801185	236.9 m southwest	3.7	0.8	-
801112	237.1 m northeast	6.4	0.8	1.9
613787	243.2 m northwest	8.5	8.5	4.6
613752	247.6 m southwest	3.8	1.5	-

Locations of the boreholes can be found in the Ecolog ERIS report in Appendix A.

Certificates of Approval

One Certificate of Approval record was found within 250m of the subject site. No records were found for the subject property. The Certificate of Approval (7397-6RZNW7) is for Municipal and Private Sewage Works issued on 8/2/2006. The certificate is listed as Uniform Urban Developments located at 25 Carsdale Avenue, Ottawa, ON.

All located records can be found in Appendix B. Locations of the Certificate of Approval can be found in the Ecolog ERIS report in Appendix A.

Environmental Compliance Approvals

Eighteen Environmental Compliance Approval records were found within 250m of the subject site. No records were found for the subject property. Environmental Compliance Approval records are summarized in the Table below:

Table 2: Environmental Compliance Approval Records

Certificate Number (Status)	Company	Location	Approval Type	Approval Date
8817-4LQQ35 (Approved)	City of Ottawa	Chapleau Putman and Langevin	Municipal and Private Sewage Works	2000-06-28
1164-AK3S8L (Revoked/Replaced)	City of Ottawa	South of Keefer & Stanley Streets Intersection	Air – Discharge to air through roof mounted stack with activated carbon filters, mesh pad demister, grease filter and electric heater.	2017-03-10
4305-7DJK4L (Revoked/Replaced)	City of Ottawa	Keefer Street and River Lane	Municipal and Private Sewage Works	2008-05-29
2437-4H6R52 (Approved)	City of Ottawa	Ivy Crescent (Mackay to Mackay)	Municipal and Private Sewage Works	2000-03-09

Certificate Number (Status)	Company	Location	Approval Type	Approval Date
0837-79ZSA7 (Approved)	City of Ottawa	Avon Lane	Municipal Drinking Water Systems	2007-12-19
0949-5P3Q8B (Approved)	City of Ottawa	Sussex Drive (King Edward to Mackay)	Municipal and Private Sewage Works	2003-07-07
9099-7D3S8Y (Approved)	City of Ottawa	Keefer Street (Stanley Ave to Crichton St.)	Municipal and Private Sewage Works	2008-03-27
8751-4LQQ8G (Approved)	Regional Municipality of Ottawa-Carleton	Chapleau Putman and Langevin	Municipal and Private Sewage Works	2000-06-28
2785-4H6RE9 (Approved)	Regional Municipality of Ottawa-Carleton	Ivy Crescent, Putman Ave. and Bertand Street	Municipal and Private Sewage Works	2000-03-09
1500-4X6Q6W (Approved)	City of Ottawa	Avon Lane (Dufferin to 90 m West)	Municipal and Private Sewage Works	2001-06-21
1491-5K6QQV (Approved)	City of Ottawa	Sussex Drive (Stanley St to Mackay St)	Municipal and Private Water Works	2003-03-13
4691-5UZQRC (Revoked/Replaced)	City of Ottawa	South of Keefer & Stanley Street Intersection	Air – Custom design in- ground two-cell biofilter with internal irrigation and drainage system. Used to control odorous sewer gases	2004-01-19
9386-79ZRAJ (Approved)	City of Ottawa	Avon Lane and MacKay Street	Municipal and Private Sewage Works	2007-12-19
2742-5KSKYE (Approved)	City of Ottawa	Sussex Drive (King Edward Ave to MacKay St)	Municipal and Private Sewage Works	2003-04-03
1819-7D3SEB (Approved)	City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.)	Municipal Drinking Water Systems	2008-03-27
8765-4X8RFT (Approved)	City of Ottawa	Avon Lane (Dufferin to 90 m West)	Municipal and Private Sewage Works	2001-06-19
3940-AMMP57	City of Ottawa	South of Keefer	Air – Discharge to air	2017-05-31

Certificate Number (Status)	Company	Location	Approval Type	Approval Date
(Approved)		and Stanley Street intersection	through roof mounted stack with activated carbon filters, mesh pad demister, grease filter and electric heater.	
7397-6RZNW7 (Approved)	Uniform Urban Developments Ltd.	25 Carsdale Avenue	Municipal and Private Sewage Works	2006-08-02

All located copies of above records can be found in Appendix B. Locations of the Environmental Compliance Approval can be found in the Ecolog ERIS report in Appendix A.

Historical ERIS Searches

Twelve ERIS Historical searches were listed within 250 m of the subject property. One ERIS Historical searches record was found for the subject property. The searches are summarized in the Table below:

Table 3: ERIS Historical Searches

Report Type	Location	Date
Custom Report	121 Beechwood Avenue	07-Mar-2014
Standard Express Report	103 Beechwood Avenue	09-Jan-2018
Custom Report	141 Beechwood Avenue	15-Oct-2012
Standard Report	196 Beedchwood Avenue	18-Aug-2014
Complete Report	110 Beechwood Avenue	15-May-2008
Custom Report	94 Beechwood Avenue	02-June-2012
Custom Report	29 Marier Avenue	07-Sep-2012
Custom Report	455 Green Avenue	29-Nov-2013
Custom Report	32 Marier Avenue	04-Sep-2009
Custom Report	200 Rideau Terrace	21-May-2010
Standard Report	65 Acacia Avenue	06-Oct-2017
Custom Report	59-63 Beechwood Avenue	26-Nov-2009
Custom Report	43 Cecile Street	08-Jul-2015

Locations of the ERIS Historical Searches records can be found in the Ecolog ERIS report in Appendix A.

List of TSSA Expired Facilities

Eight TSSA Expired Facility records were found within 250 m of the subject property, however no records were found for the Site. Of the eight TSSA Expired Facility records there was only one location with multiple instance types. The records are for fuel storage tanks and piping of a full-serve retail fuel outlet located at 188 Beechwood Avenue. These records expired 14 April, 1999 and are listed to Beechwood Canada Service Station Inc.

Ontario Regulation 347 Waste Generators

Thirty eight Ontario Regulation 347 Waste Generators were found within 250 m of the subject property, however no records were found for the Site. The thirty eight waste generator records are associated with nine different businesses, with multiple years of approval. These records are summarized in Table below:

Table 4: Ontario Regulation 347 Waste Generator Records

Company	Address	Waste Description (Approval Years)
Dr. Luc Ducharme Dentistry Professional Corporation	156 Beechwood Avenue	Pathological Wastes (2014- current)
Monson Cleaners	110 Beechwood Avenue	Other specified Organics (2009 - 2011) Halogenated Solvents (1988-1992, 1993-2008, 2010, 2011,2013- current)
Bradley Kelly Construction	111 Barrette Street	Oil Skimmings and Sludges (2003, 2004)
Beechwood Cycle	92 Beechwood Avenue	Petroleum Distillates (1992-2001)
City of Ottawa	220 Beechwood Avenue	Oil Skimmings and Sludges (2014-current)
Village of Rockcliffe Park	25 Carsdale Avenue	Waste Oils and Lubricants (1992-1998)
Homestead Land Holdings Limited	200 Rideau Terrace	Acid Waste – Other Metals (2009,2010) Alkaline Wastes – Other Metals (2009,2010) Aliphatic Solvents (2009,2010) Waste Oils and Lubricants (2009,2010) Organic Laboratory Chemicals (2009,2010) Light Fuels (2014)
Beechwood Cycle and Sports	80 Beechwood Avenue	Petroleum Distillates (1989, 1992-1998)
Conseil Des Ecoles Pulbiques Le Trillium	135 Alice Street	PCB's (1993-2001) Other Specified Inorganics (2013-2015)

Due to their distance from the Site and/or nature of the waste, these records are not considered to represent environmental liability to the Site. Locations of all Ontario regulation 347 waste generators can be found in the Ecolog ERIS report in Appendix A.

TSSA Historic Incidents

One TSSA historic incident was found within 250 m of the subject property. The record is located at 101 Black Maple Private for a natural gas pipeline strike. The incident occurred on June 19, 2008. Due to the gaseous nature and separation distance, this record is not considered to represent environmental liability for the Site

No TSSA Historic Incidents were found on the subject property. Locations of the TSSA Historic Incidents can be found in the Ecolog ERIS report in Appendix A.

TSSA Incidents

One TSSA incident was found within 250m of the subject property. The record is located at 71 Beechwood Avenue for a vapour release of carbon monoxide. This was due to delayed furnace ignition on February 24, 2015. Due to the gaseous nature and separation distance, this record is not considered to represent environmental liability for the Site

No TSSA Historic Incidents were found on the subject property. Locations of the TSSA Incidents can be found in the Ecolog ERIS report in Appendix A.

TSSA Pipeline Incidents

One TSSA pipeline incidents was found within 250m of the subject property, a 0.5" natural gas pipeline was hit at 39 Langevin Avenue on June 11, 2013. No records were found for on the subject property.

Due to the nature of the fuel (gaseous), this record is not considered to represent environmental liability for the Site. Locations of the TSSA pipeline incidents can be found in the Ecolog ERIS report in Appendix A.

Private and Retail Fuel Storage Tanks

One Private and Retail Fuel Storage Tank record was found within 250m of the subject property, a 58,400 liter retail fuel storage tank at 188 Beechwood Avenue. This tank expired 31 March 1996. The record is listed to Beechwood Canada Service Station Inc. No records were found for on the subject property

Due to the age and separation distance, this record is not considered to represent environmental liability for the Site. Locations of the TSSA pipeline incidents can be found in the Ecolog ERIS report in Appendix A.

Record of Site Condition

One Record of Site Condition (RSC) record was found within 250 m of the subject property. This record is located at 25 Carsdale Avenue and is registered to Uniform Urban Developments Ltd. The RSC was filed on August 17, 2006, and was part of re-zoning the property from industrial to residential land use. A Phase One and Two ESA were completed as part of the RSC submission. Soil was tested as part of the Phase Two ESA for BTEX, metals and petroleum hydrocarbons (PHC) F1-F4. Soil analysis had multiple detected metals and PHC however none where above the applicable standard. Approximately 25m³ of soil was removed from the property and disposed of in a proper waste disposal facility.

Groundwater was tested as part of the Phase Two ESA for BTEX. Groundwater analytical results indicated that BTEX parameters were below laboratory detection limits.

This record is not considered to represent an APEC for the Site due to the reported results of soil and groundwater being below applicable standards and the separation distance from the Site. Locations of the Record of Site Condition can be found in the Ecolog ERIS report in Appendix A.

Scott's Manufacturing Directory

Five Scott's Manufacturing Directory records were found within 250m of the subject property. No records were found for the Site. Of the five Scott's Manufacturing Directory records there is only two unique locations, with multiple/updated entries. These records are summarized in the Table below:

Table 5: Scott's Manufacturing Directory Records

Company	Address	Established	Plant Size (ft ²) / # Employees	Description
Wawa Design Reg'd	105 Putman Avenue	1975	600/ 3	Sign manufacturing, Book Publishing and printing, commercial printing
Regimbal Trophy and Engraving	29 Marier Avenue	1926	800/4	Coating, Engraving, Heat Treating and Allied Activities, Jewelry and Silverware Manufacturing, Miscellaneous Fabricated Metal Product Manufacturing

These records are not considered to represent environmental liability for the subject property. Locations of the Scott's Manufacturing Directory records can be found in the Ecolog ERIS report in Appendix A.

Ontario Spills

Eight Ontario spill records were found within 250 m of the subject property. No records were found for the subject property. The Table below summarizes the spill records:

Table 6: Ontario Spill Records

Location	Contaminant	Incident	Impacts	Date
146 Barrett Street	Furnace Oil	30 L of oil leaked from tank to basement	Soil contamination confirmed	11/02/1995
188 Beechwood Avenue	Gasoline	2 L to ground and flushed down catch basin	Water contamination possible	9/10/1995
196 Beechwood Avenue	Furnace Oil	Small amount of oil leaked from valve or fitting to concrete basement	Not anticipated	10/30/1995

Location	Contaminant	Incident	Impacts	Date
146 Laval Street	Furnace Oil	10 L of oil leaked to pavement from outdoor tank	Soil contamination possible	3/5/1995
128 Laval Street	Transformer Oil	0.5 L of Non-PCB oil to ground.	Nat anticipated, noted as cleaned up.	8/6/1996
67 Beechwood Avenue	Transformer Oil	>100 L of oil to road and catch basins from collision	Not anticipated	09/18/2014
Beechwood and Marquette	Natural Gas	1 1/4" gas main damaged	Air pollution confirmed	08/26/2014
64 Beechwood Avenue	Diesel Fuel	135 L to asphalt and private catch basin	Water contamination possible	5/3/1995

Due to the limited quantity, separation distance, and cross or downgradient location to the Site, these records are not considered to represent environmental liability for the subject property. Locations of the Ontario Spill records can be found in the Ecolog ERIS report in Appendix A.

Water Well Information System

Nine Water Well Information records found within 250m of the subject property. No records were found for the subject property. The Table below summarize the details of each well.

Table 7: Water Well Information System Records

Well ID	Completion Material	Depth to Bedrock (m bgs)	Bedrock Type	Well Depth (m bgs)	Well Use	Static Water Level (m bgs)	Clear/ Cloudy	Water Type
7196179	Bedrock	2.13	Shale	6.10	Monitoring/ Test Hole	-	-	-
7236605	Bedrock	2.39	Shale	6.78	Observation	4.95	-	-
7180679	Overburden	N/A	N/A	6.10	Test Hole	-	-	-
7180680	Overburden	N/A	N/A	5.64	Test Hole	-	-	-
7180661	Bedrock	4.57	Shale	8.53	Test Hole	-	-	-
7180667	Overburden	N/A	N/A	6.10	Test Hole	-	-	-
7149522	Overburden	N/A	N/A	6.71	Monitoring and Test Hole	-	-	-

Well ID	Completion Material	Depth to Bedrock (m bgs)	Bedrock Type	Well Depth (m bgs)	Well Use	Static Water Level (m bgs)	Clear/ Cloudy	Water Type
7264855	Overburden	N/A	N/A	9.14	Monitoring and Test Hole	-	-	-
7149521	Overburden	N/A	N/A	6.10	Monitoring and test Hole	-	-	-

Locations of the Water Well Information records can be found in the Ecolog ERIS report in Appendix A.

3.2.3 MOECC Freedom of Information and Index Review Requests

In order to identify any previous environmental reports concerning the Site, an MOECC freedom of information (FOI) request and index review request was submitted for the Site. On May 8, 2018 MPCE received a response from the MOECC FOI requests indicating that no further information about the Site was available.

A copy of the MOECC correspondence is provided in Appendix C.

3.2.4 TSSA Information Request

An FOI request was also submitted to the Technical Standards and Safety Authority (TSSA). The TSSA request returned no records of fuel tanks on the subject property.

A copy of the TSSA correspondence is provided in Appendix C.

4.0 PHYSICAL SETTING

4.1 Aerial Photographs and Satellite Images

Table 8 describes observations about current and historical land use for the Site and surrounding properties that were noted during review of aerial photographs of the area taken between 1928 and 2017, included in Appendix D. Current land uses are included on Figure 4.

Table 8: Current and Historical Land Use from Aerial Photographs and Satellite Images

Date	Source	Observations
1928	GeoOttawa	The Site consists of a building on each of the two properties, likely residential. North of the Site is vacant land followed by Putman Avenue. Buildings are located to the east and west, both of which resemble current day structures. To the south is Beechwood Avenue followed by the lawn of Saint Charles church and a school.
1937	National Air Photo Library (A.5520-29)	Site and Surrounding area remain relatively unchanged. West of the Site has increased commercial and/or residential buildings. A building of unknown uses has been constructed at 188 Beechwood.
1950	National Air Photo Library (A.13083-138)	The Site remains relatively unchanged. Significant increase in residential buildings to the north, east, south and west of the Site. A garage is now apparent at 131 Beechwood Avenue.
1965	GeoOttawa	The Site remains relatively unchanged. An additional building has been constructed directly east of the school. An increase in residential density surrounding the Site is apparent.
1978	National Air Photo Library	The Site and surrounding area remain relatively unchanged.
1991	GeoOttawa	The Site remains relatively unchanged. The school and building directly east have been removed and this property appears vacant.
2002	GeoOttawa	The Site remains relatively unchanged. The vacant lot to the south is occupied by a small retail strip mall that is present today.
2007	GeoOttawa	The Site remains relatively unchanged. Beside the strip mall an additional retail building has been constructed. Additionally, the garage at 131 Beechwood Avenue has been altered as appears as it does today (coffee shop)
2017	GeoOttawa	The Site remains relatively unchanged. Directly north of the Site, the present day multi-unit residential building has been constructed.

Based on the aerial photos no PCAs were identified on-site or in the surrounding area.

4.2 Topography

Elevation at the Site is approximately 57 m above sea level (m asl). The topography is generally flat with gentle slope toward the west (see Figure 4).

4.3 Hydrology

The Site occurs within the Lower Rideau River watershed, a subwatershed of the Rideau River watershed. The Rideau River is approximately 550 m southwest of the Site

4.4 Geology

4.4.1 Surficial Geology

Geological maps of the area classify the overburden at the Site as fine-textured glaciomarine deposits composed of silt and clay, minor sand and gravel. (OGS, 2017).

4.4.2 Bedrock Geology

Geological maps of the area classify the bedrock at the Site as predominantly limestone, dolostone, shale, arkose and sandstone of the Ottawa Group (OGS, 2017).

4.5 Hydrogeology

Based on a review of site geology and topography, groundwater is likely to flow southwest toward the Rideau River.

4.6 Fill Materials

The Site visit and analysis of the aerial photos indicate no large quantity of fill and/or re-worked native material to be present at the Site.

4.7 Water Bodies and Areas of Natural Significance

The closest permanent waterbody is the Rideau River (located 550 m southwest of the Site, at closest point).

When completing a Phase One ESA, considerations are made for the following MNRF-maintained areas of natural significance:

- Areas of Natural and Scientific Interest (ANSIs);
- Provincially Significant Wetlands (PSWs); and,
- Wildlife Management Areas (WMAs).

No areas of natural significance were observed within the Study Area.

4.8 Well Records

McIntosh Perry performed a well record search utilizing the EcoLog ERIS Water Well Information System (WWIS) data (based on MOECC GIS data). Nine well records were returned from this search, details of the record are located in the Section 3.2.2.

5.0 INTERVIEWS

McIntosh Perry personnel conducted an interview with Dr. Corina Buettner, owner of the property, to obtain information about the subject property pertaining to items of actual and/or potential environmental concern. Information collected during this interview was used to corroborate data from other sources, and is presented in Appendix E.

The information obtained from the interview is summarized as follows:

Potential Environmental Concerns	Interview Comments
Accidents/Spills	No Knowledge
Previous Use of Site	Office
Adjacent Properties	Office/Rental/Residential
Fuel Handling/Storage	No Knowledge
Maintenance/Operational Areas	No Knowledge
Hazardous Materials Storage	No Knowledge
Salt Storage	No Knowledge
Fuel Storage Tanks	No Knowledge
Odours	No Knowledge
Potable Water	Yes
Septic and Wastewater Discharges	No
Pesticides	No Knowledge
Mould	No Knowledge
Heating and Cooling Systems	Natural Gas Furnace
Major Mechanical Equipment	Natural Gas Furnace and hot water tank
Waste Oils, Solvents, Batteries	No Knowledge
PCBs	No Knowledge
Asbestos	No Knowledge
Lead Paint	No Knowledge
ODS	No Knowledge
Electromagnetic Radiation	No Knowledge
UFFI	No Knowledge
Mercury	No Knowledge
Radon Gas	No Knowledge
Soil and Groundwater Conditions	No Knowledge
Wells	No Knowledge
Waste Disposal and Recycling	No Knowledge
Fill Material	No Knowledge
Floor Drains/OWS (Discharge Locations)	No Knowledge
Other	No

Note that statements made by those interviewed were not made categorically and are limited to personal knowledge of, and experience with, the subject property. The significance of environmental concerns that have been identified by other methods was not reduced based on the interview statements.

6.0 SITE RECONNAISSANCE

The objectives of the site reconnaissance were as follows:

- To identify potential environmental concerns associated with current and past uses of the Site;
- To identify Potentially Contaminating Activities (PCAs) on, in, or under the Site;
- To identify, as practical, current and past uses, activities, and PCAs in the vicinity of the Site; and
- To identify details of potential contaminant pathways on, in, or under the Site and potential environmental concerns and contaminants of potential concern.

McIntosh Perry had open and ready access to all exterior areas of the Site during the site visit.

6.1 General Requirements

McIntosh Perry conducted the Site reconnaissance on May 2, 2018 (from approximately 9:00am to 10:15am). Bradley Sutherland of McIntosh Perry inspected the entirety of the property, and observed other properties in the Study Area from publicly accessible locations.

6.1.1 *Qualifications of the Assessors*

Field assessment for this report was undertaken by Bradley Sutherland, B.Sc. of McIntosh Perry. Bradley has successfully completed numerous Phase One ESAs for various clients in Ontario. Reporting was completed by Bradley Sutherland, B.Sc., and Daniel Arnott, P.Eng. Daniel is an Ontario licensed Professional Engineer and a Qualified Person (QP) under O.Reg. 153/04, as amended, and has completed numerous Phase One and Two ESAs across Ontario.

McIntosh Perry is licensed to practice engineering and geoscience in the Province of Ontario. McIntosh Perry holds Certificates of Authorization with the Professional Engineers of Ontario (PEO) and the Association of Professional Geoscientists of Ontario (APGO) and is a full member of the Consulting Engineers of Ontario (CEO).

6.1.2 *Weather Conditions at Time of Inspection*

Weather conditions at the time of the Site visit was sunny and approximately 23 degrees Celsius.

6.1.3 *Property Occupancy/Use Status at Time of Inspection*

The Site currently consists of two lots, addressed as 119 and 121 Beechwood Avenue;

- 119 Beechwood Avenue is occupied by a 2 storey building with basement. The building features a poured concrete foundation with stucco veneer siding. An asphalt parking lot is located directly north of the building. This building was occupied by multiple commercial tents at time of the inspection.
- 121 Beechwood Avenue is occupied by a 2 storey building with basement. The building features a poured concrete foundation with vinyl siding. Two storage sheds are located directly north of the building. This building is was vacant at the time of inspection.

Land use in the vicinity is shown on Figure 4.

6.1.4 Site Photographs

Photographs of the Site are included in Appendix F. A brief description is included with each photograph, including location and orientation where applicable.

6.2 Description of Investigations

The Phase One component of the current investigation is a preliminary environmental screening that aims to provide a qualitative assessment of the environmental condition of the site based on a review of available information pertaining to the Site, observations made during a Site visit, and information from interviews with people who have knowledge of the Site and its history.

The Phase One portion of the current investigation includes the following components:

- A review of available background information;
- Interviews with person(s) knowledgeable about the site;
- Site reconnaissance; and
- Freedom of information requests (Ministry of the Environment and Climate Change (MOECC) and the Technical Standards and Safety Authority (TSSA))

6.2.1 Phase One Property

The Site consists of two land parcels, 119 and 121 Beechwood Avenue. The Site consists of two 2-storey buildings with basements. Directly behind 119 is a paved parking lot, and behind 121 are two storage sheds. The Site is zone TM8, which is Traditional Mainstreet Zone, subzone Beechwood Avenue as described under section 197-198 of the City of Ottawa Zoning by-laws.

The Zoning allows for the intended future use of the property.

6.2.2 Phase One Study Area

The Study Area consists primarily of residential and commercial properties.

6.3 Specific Observations at the Phase One Property

6.3.1 Structures and Other Improvements

The Site is currently occupied by two 2-story commercial buildings, 2 storage sheds and associated parking areas.

6.3.2 Below Ground Structures

No below ground structures were observed at the Site.

6.3.3 Storage Tanks

A small fuel container (marine engine fuel tank) is located in the northern most shed of 121 Beechwood Avenue.

6.3.4 Hazardous Materials

Large quantity of floor buffer chemical found in basement of 121 Beechwood Avenue.

6.3.5 Potable and Non-Potable Water Sources

Buildings have municipally water service.

6.3.6 Underground Service Trenches

Service trenches for water, sewer and gas services are present at the Site originating from Beechwood Avenue. Power and telephone wires are overhead from Chapleau Avenue and Beechwood Avenue.

6.3.7 Exit and Entry Points

All exit and entry points to the Site were inspected. No concerns were identified.

6.3.8 Existing and Former Heating Systems

Gas furnaces in basement of both buildings. An ash clean out was identified at 121 Beechwood Avenue, located adjacent to the furnace.

6.3.9 Cooling Systems

A/C units were located to the rear (north side) of each building.

6.3.10 Drains, Pits, and Sumps

A floor drain was observed in the basement of 119 Beechwood Avenue. Discharge location is unknown, likely to city service.

6.3.11 Unidentified Substances

No unidentified substances were identified at the Site.

6.3.12 Stains and/or Corrosion Near Drains, Pits, and Sumps

None observed.

6.3.13 Well Details

No wells were observed at the Site.

6.3.14 Details of Sewage Works

Drainage basins and manhole covers were observed along Beechwood and Chapleau Avenue.

6.3.15 Ground Surface Details

Ground surface was primarily asphalt with small amount of vegetated ground. No issues were identified with ground surface.

6.3.16 Current and Former Railway Lines

The site inspection did not indicate the presence of current or former rail lines at the Site or on adjacent properties.

6.3.17 Staining to Soil, Vegetation, or Pavement

No significant staining was observed at the exterior of the Site.

6.3.18 Stressed Vegetation

No stressed vegetation was observed.

6.3.19 Fill and Debris

No significant amount of fill was observed at the Site.

6.3.20 Mould

Mould-like substances were observed at the basement entrance of 119 Beechwood Avenue.

6.3.21 Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

No on-site PCAs were identified during McIntosh Perry's site visit on May 2, 2018.

6.4 Surrounding Properties

Surrounding land use in the vicinity of the Site generally consisted of the following:

- North – Residential
- East – Commercial
- South – Beechwood Avenue, Commercial
- West – Chapleau Avenue, commercial and residential

Two off-site PCA were observed during McIntosh Perry's site visit on May 2, 2018.

- 188 Beechwood Avenue – Beechwood Auto Service – Commercial Automotive Garage
- 110 Beechwood Avenue – Monson Deluxe Cleaners – Dry Cleaning Operation

The potential of these PCAs resulting in APECs for the Site is considered in Section 7.2.

7.0 REVIEW AND EVALUATION OF INFORMATION

The following sections provide a review, and evaluation and an interpretation of the information from the records review, interviews and site reconnaissance.

7.1 Current and Past Uses of Phase One Property

The following table summarizes the land use history of the subject Site:

Table 9: Current and Past Uses of the Phase One ESA Property

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 1928	Not identified	Address not listed	Unknown	No Information
1928-2003	Not identified	Single tenant Residential	Dwelling	2 storey dwellings on each property with a detached garage, indicated on fire insurance plans. City directories have properties listed as single tenant residential between 1997-2003
2003-2018	Not identified	Address not listed	Commercial/ Residential	Multiple listings of business and residential

7.2 Potentially Contaminating Activities

No PCAs were identified at, on, or under the Site.

Six off-site PCAs were identified in the Phase One ESA Study Area.

- 131 Beechwood Avenue
 - Commercial automotive garage (FIPs)
- 188 Beechwood Avenue
 - Commercial automotive garage (Site Visit)
 - TSSA expired facility for full-serve retail fuel outlet (EcoLog ERIS)
 - 58400 L Retail fuel storage tank (EcoLog ERIS)
 - Ontario spill record – 2L of gasoline

- 110 Beechwood Avenue – Monson Deluxe Cleaners – Dry Cleaning Operation
 - Operation of on-site dry cleaning equipment (Site visit, Ecolog ERIS)
- 67 Beechwood Avenue – Ontario Spill Records
 - Over 100 l of transformer oil to road and catch basins
- 64 Beechwood Avenue – Ontario Spill Records
 - 135 L of diesel fuel to road and catch basin
- 135 Alice Street – Ontario Regulation 347 Waste Generator
 - PCBs

The above listed items are referenced on Figure 5.

7.3 Areas of Potential Environmental Concern (APEC)

The above noted PCA is not considered to result in an APEC for the Site. All PCAs with the exception of 188 and 131 Beechwood Avenue, are down gradient of the Site. Due to separation distance and road/service trenches between 131 and 188 Beechwood Avenue and the Site, these properties are also considered to have minimal potential to represent environmental concerns to the Site.

7.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model is based on information presented in the following Figures:

- Figure 2 shows structures and features on-site and those on properties immediately surrounding the Site.
- Figure 3 shows all other buildings and structures in the Phase One ESA study area
- Figure 4 shows drainage features in the local area.
- Figure 3 shows the names of all roads in the Phase One ESA study area.
- Figure 3 shows land use of properties adjacent to the subject property.
- Figure 5 shows areas where potentially contaminating activities (PCAs) have occurred and areas of potential environmental concern (APEC).

There are no areas of natural significance in the Phase One ESA study area.

Available topographic, surface drainage and hydrogeological information suggests that the direction of shallow groundwater flow is to the southeast.

8.0 CONCLUSIONS

No PCAs were identified at, on, or under the Site.

Six offsite PCAs were identified in the Phase One ESA Study Area.

- 131 Beechwood Avenue
 - Commercial automotive garage (FIPs)
- 188 Beechwood Avenue
 - Commercial automotive garage (Site Visit)
 - TSSA expired facility for full-serve retail fuel outlet (EcoLog ERIS)
 - 58400 L Retail fuel storage tank (Ecolog ERIS)
 - Ontario spill record – 2L of gasoline
- 110 Beechwood Avenue – Monson Deluxe Cleaners – Dry Cleaning Operation
 - Operation of on-site dry cleaning equipment (Site visit, Ecolog ERIS)
- 67 Beechwood Avenue – Ontario Spill Records
 - Over 100 l of transformer oil to road and catch basins
- 64 Beechwood Avenue – Ontario Spill Records
 - 135 L of diesel fuel to road and catch basin
- 135 Alice Street – Ontario Regulation 347 Waste Generator
 - PCBs

The above noted PCA is not considered to result in an APEC for the Site. All PCAs with the exception of 188 and 131 Beechwood Avenue, are down gradient of the Site. Due to separation distance and road/service trenches between 131 and 188 Beechwood Avenue and the Site, these properties are also considered to have minimal potential to represent environmental concerns to the Site.

8.1 Is a Phase 2 ESA Required?

A Phase 2 ESA is not recommended at this time. The off-site PCAs are not considered to result in APECs for the Site. However, the fuel storage container in the shed of 121 Beechwood and large amount of floor buffer chemical in basement of 121 Beechwood should be removed before demolition. Furthermore, based on the observed age of the buildings and the observation of mould-like substances at the basement entrance of 119 Beechwood Avenue, it is recommended that a Designated Substance Survey be undertaken at the Site prior to demolition.

9.0 LIMITATIONS

This report has been prepared, and the work referred to in this report has been undertaken by, McIntosh Perry Consulting Engineers Ltd. for BluePrint Construction Services Ltd. (BluePrint). It is intended for the sole and exclusive use of BluePrint. The report may not be relied upon by any other person or entity without the express written consent of McIntosh Perry Consulting Engineers Ltd. (in the form of a Reliance Letter).

Any use which a third party makes of this report, or any reliance on decisions made based on it, without a Reliance Letter are the responsibility of such third parties. McIntosh Perry Consulting Engineers Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Some of the information presented in this report was provided through maps, air photographs, and environmental reports. While attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, McIntosh Perry Consulting Engineers Ltd., has, in certain instances, been required to assume that the information provided is accurate.

The conclusions presented represent the best professional judgment of the assessor based on current environmental standards and on the site conditions observed during the site inspection on May 02, 2018. External areas of the properties was observed from the yard of 119 and 121 Beechwood Avenue and other publically accessible locations. Due to the nature of the investigation and the limited data available, the assessor cannot warrant against undiscovered environmental liabilities.

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

We trust that this information is satisfactory for your present requirements. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

McIntosh Perry Consulting Engineers Ltd.



Bradley Sutherland, B.Sc
Environmental Scientist



Daniel J. Arnott, P.Eng.
Geo-Environmental Engineer

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report\0cp-18-0056_phase one esa_119-121 beechwood ave. draft.docx

10.0 REFERENCES

Canadian Standards Association (CSA), Z768-01: Phase I Environmental Site Assessment, CSA International, Toronto, 2001 (Updated 2003, Reaffirmed 2012).

EcoLog ERIS, 2018. Site-Specific Search Report Results.

Natural Resources Canada (NRCAN), 2011. Geobase online mapping tool: Hydro Network GIS Data accessed through <<http://geobase.ca/geobase/en/viewer.jsp?group=nhn>>.

Ontario Geologic Survey (OGS), 2017 GIS Data for bedrock and surficial geology stratigraphy.

Ontario Ministry of Environment and Climate Change (MOECC), Ontario Regulation (O.Reg.) 153/04; Records of Site Condition – Part XV.1 of the Act (i.e. The Environmental Protection Act), as amended.

Ontario Geological Survey (OGS), 2017 – Google EarthTM (website: http://www.mndmf.gov.on.ca/mines/ogs_earth_e.asp).

Rideau Valley Conservation Authority (RVCA), 2018. RVCA Regulations Mapping - <https://rvcagis.maps.arcgis.com/apps/webappviewer/index.html?id=fd54fe0962284dc0a63deabc8357bb25>

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



FIGURES

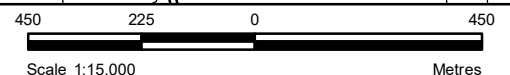


LEGEND

- Site Location
- Watercourse
- Local Road
- Waterbody
- Major Road

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.



CLIENT:		BLUEPRINT CONSTRUCTION	
PROJECT:		PHASE 1 ESA 119 & 121 BEECHWOOD AVE.	
TITLE:		SITE LOCATION	
McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com		PROJECT NO: CP-18-0056	FIGURE:
		Date	May., 03, 2018
		GIS	JD
		Checked By	BS

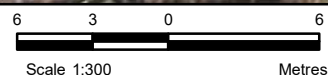


LEGEND

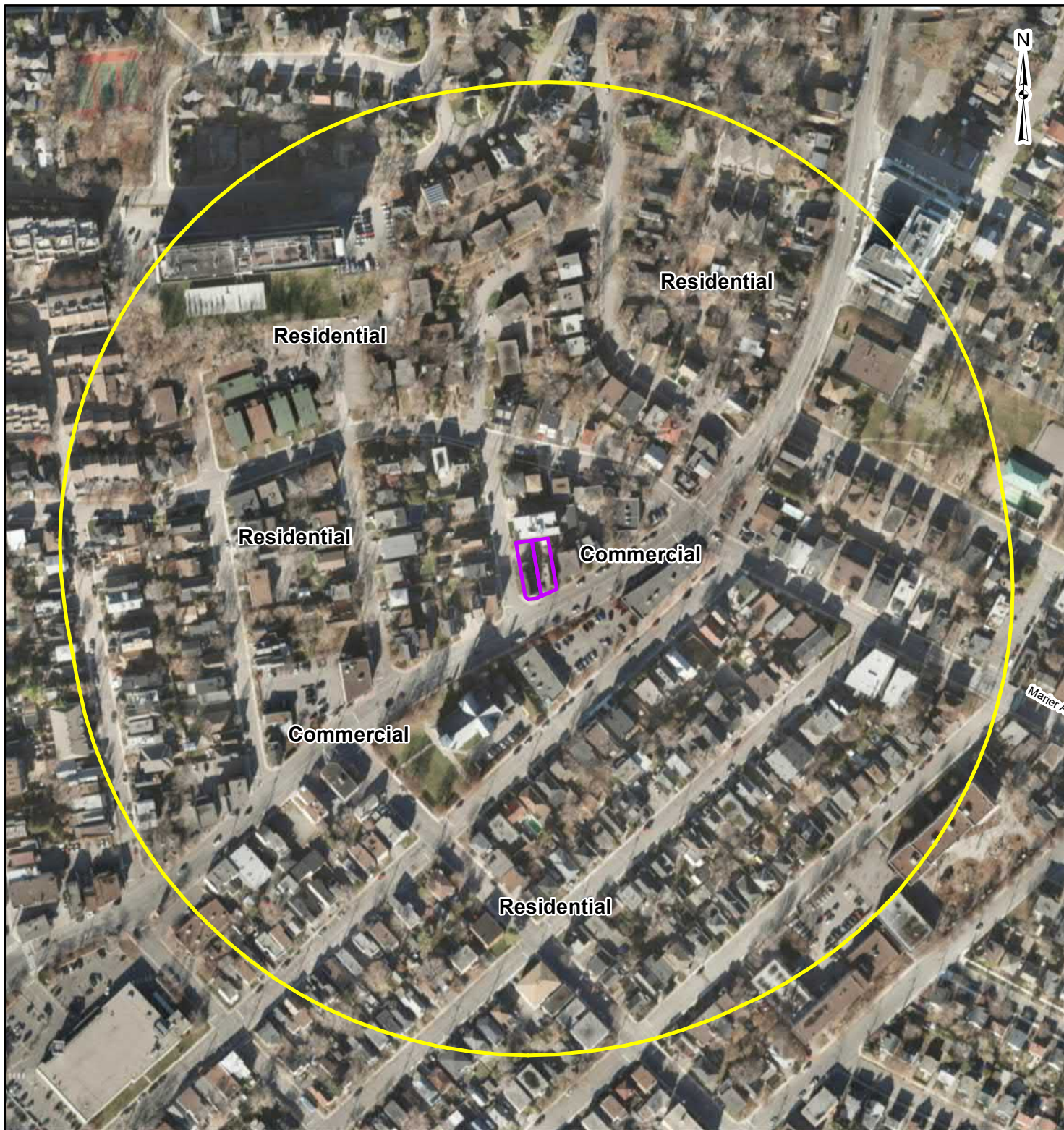
Approximate Site Boundary

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.
Imagery provided by the City of Ottawa, 2015.



CLIENT:		BLUEPRINT CONSTRUCTION	
PROJECT:		PHASE 1 ESA 119 & 121 BEECHWOOD AVE.	
TITLE:		SITE LAYOUT	
McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>		PROJECT NO:CP-18-0056	FIGURE:
		Date	May., 04, 2018
		GIS	JD
		Checked By	BS
		2	



LEGEND

- Approximate Site Boundary
- 250m Buffer

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.
Imagery provided by the City of Ottawa, 2015.

CLIENT: **BLUEPRINT CONSTRUCTION**

PROJECT: **PHASE 1 ESA
119 & 121 BEECHWOOD AVE.**

TITLE: **SURROUNDING LAND USE**

McINTOSH PERRY

115 Walgreen Road, RR3, Carp, ON K0A1L0
Tel: 613-836-2184 Fax: 613-836-3742
www.mcintoshperry.com

PROJECT NO: CP-18-0056

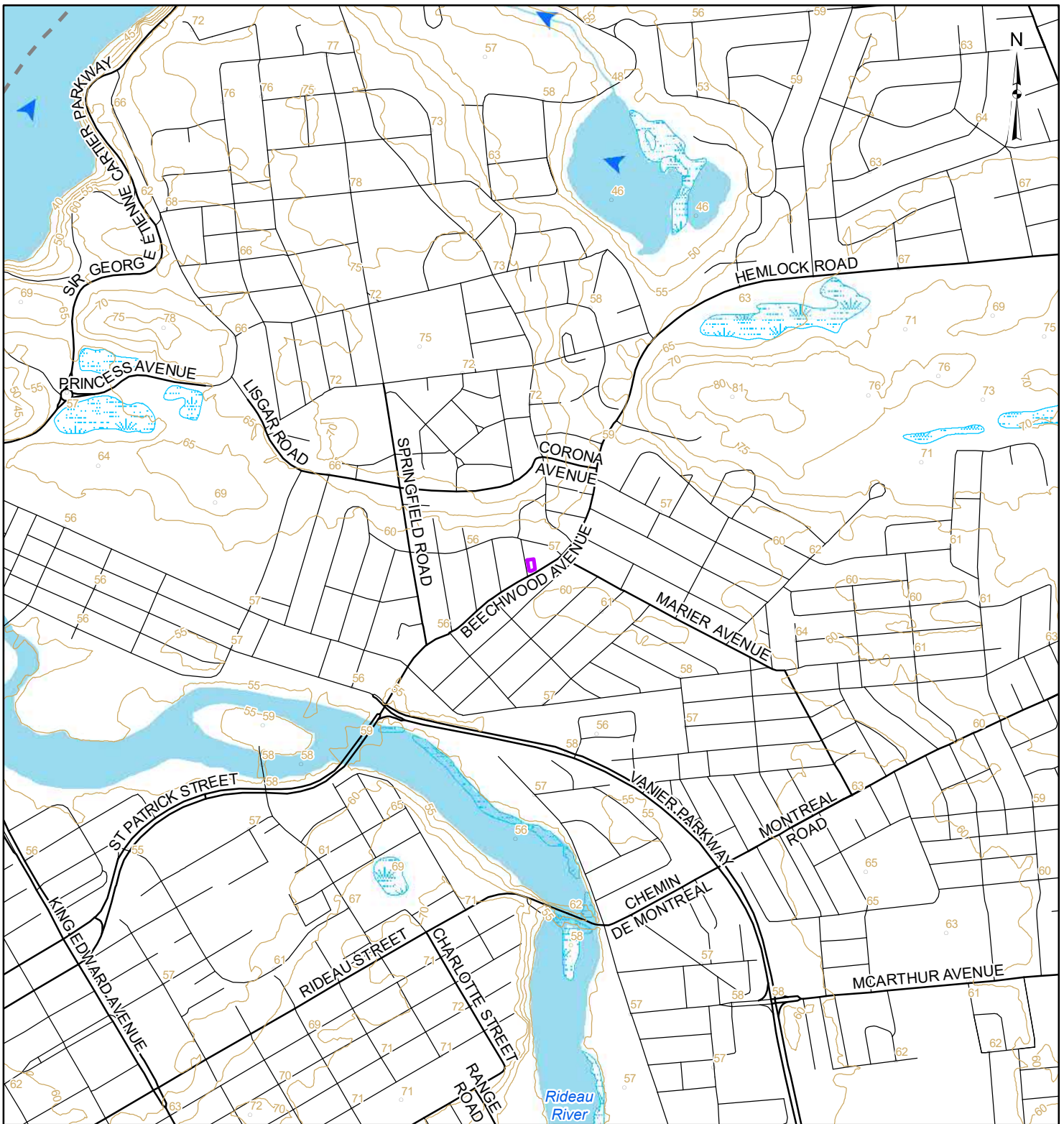
Date May., 22, 2018

GIS JD

Checked By BS

FIGURE:

3



LEGEND

- Site Boundary
- ➔ Watercourse
- Spot Height (masl)
- Waterbody
- Contour (masl)
- Unevaluated Wetland
- Local Road
- Major Road

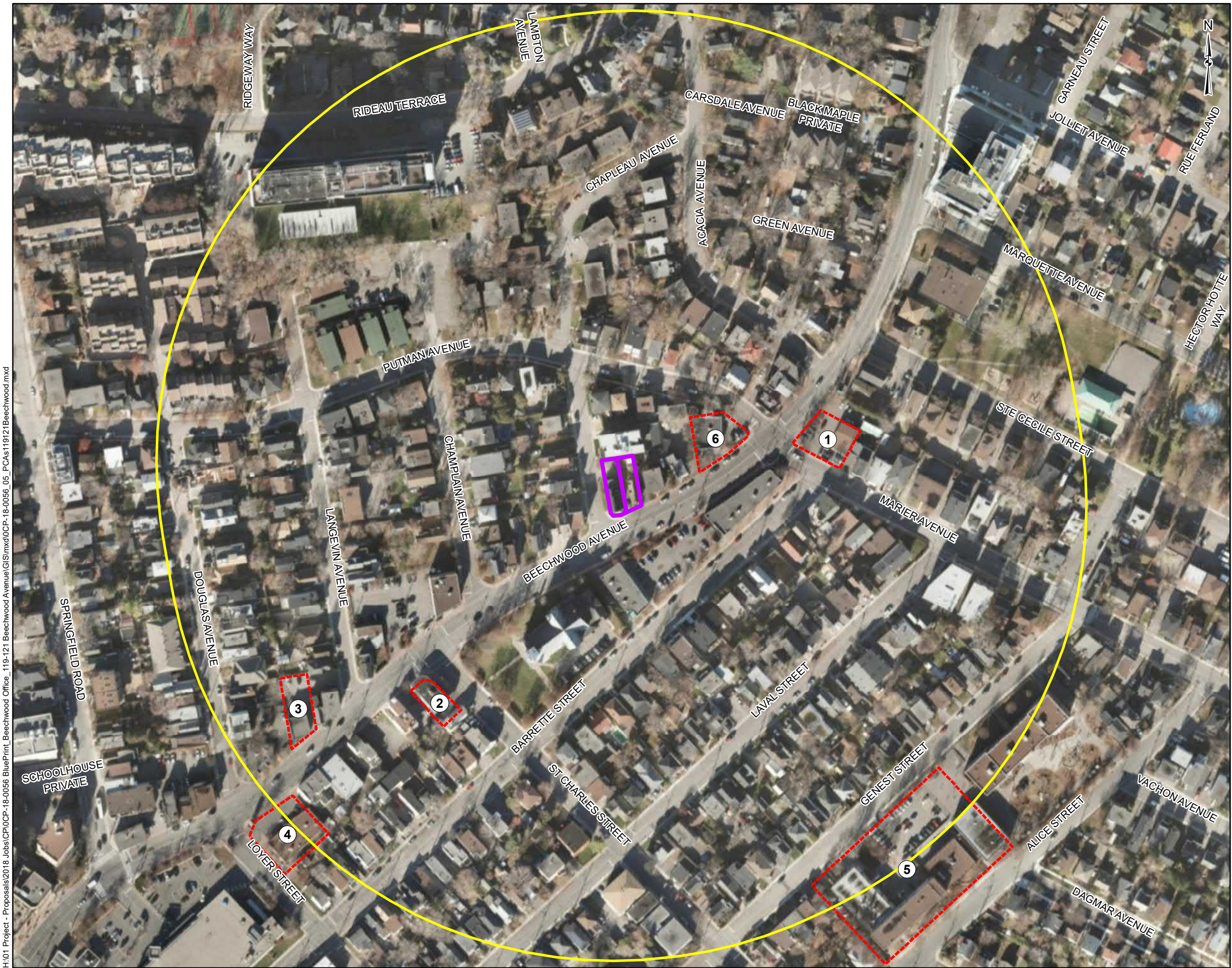
REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.



CLIENT:		BLUEPRINT CONSTRUCTION	
PROJECT:		PHASE 1 ESA 119 & 121 BEECHWOOD AVE.	
TITLE:		DRAINAGE AND TOPOGRAPHY	
McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com		PROJECT NO: CP-18-0056	FIGURE:
		Date	May., 03, 2018
		GIS	JD
		Checked By	BS
		4	

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LEGEND

Site Boundary

250m Buffer

PCA

188 Beechwood Ave.

PCA

1

- Commercial automotive garage

- Former full-service retail fuel outlet

- 58400L fuel storage tank

- Ontario Spill (see table 6 for details)

110 Beechwood Ave.

PCA

2

- Operation of dry cleaners

- Ontario Regulation 347 Waste Generator (see table 4 for details)

67 Beechwood.

PCA

3

- Ontario Spill (see table 6 for details)

64 Beechwood Ave.

PCA

4

- Ontario Spill Record (see table 6 for details)

135 Alice St.

PCA

5

- Ontario Regulation 347 Waste Generator (see table 4 for details)

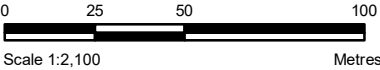
131 Beechwood Ave.

PCA

6

- Automotive garage

REFERENCE
GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2018.



CLIENT:	BLUEPRINT CONSTRUCTION	
PROJECT:	PHASE 1 ESA 119 & 121 BEECHWOOD AVE.	
TITLE:	POTENTIALLY CONTAMINATING ACTIVITIES	
<div><div>McINTOSH PERRY</div><div>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</div></div>	PROJECT NO: CP-18-0056	FIGURE:
	Date	May 29, 2018
	GIS	JD
	Checked By	BS
		5

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



APPENDIX A – ECOLOGERIS REPORT



DATABASE REPORT

Project Property: *Phase 1 ESA
119 Beechwood Ave
Ottawa ON K1M1L5
CP-18-0056*

Project No: *CP-18-0056*

Report Type: *Standard Report*

Order No: *20180418141*

Requested by: *McIntosh Perry Consulting Engineers*

Date Completed: *April 25, 2018*

**Environmental Risk
Information Services**
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Executive Summary

Property Information:

Project Property: *Phase 1 ESA
119 Beechwood Ave Ottawa ON K1M1L5*

Project No: *CP-18-0056*

Coordinates:

Latitude: *45.441844*
Longitude: *-75.672727*
UTM Northing: *5,032,255.69*
UTM Easting: *447,387.94*
UTM Zone: *UTM Zone 18T*

Elevation: *190 FT
57.88 M*

Order Information:

Order No: *20180418141*
Date Requested: *April 18, 2018*
Requested by: *McIntosh Perry Consulting Engineers*
Report Type: *Standard Report*

Historical/Products:

Aerial Photographs *Aerials - National Collection - .tiff files*
City Directory Search *CD - Subject Site plus 10 Adjacent Properties*
Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
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	25	25
CA	<i>Certificates of Approval</i>	Y	0	1	1
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	18	18
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	13	13
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	8	8
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	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	38	38
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	1	1
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
MNR	<i>Mineral Occurrences</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	5	5
SPL	Ontario Spills	Y	0	8	8
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	9	9
Total:			0	130	130

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	EHS		121 Beechwood Ave Ottawa ON K1M1L5	ENE/9.0	0.00	24
2	BORE		ON	SE/29.5	0.00	24
3	BORE		ON	S/32.8	0.00	24
4	BORE		ON	SSW/47.8	0.00	25
5	BORE		ON	E/55.3	0.00	25
6	GEN	Dr Luc Ducharme Dentistry Professional Corporation	156 Beechwood Ave Ottawa ON K1L 1A9	S/58.0	0.00	26
6	GEN	Dr Luc Ducharme Dentistry Professional Corporation	156 Beechwood Ave Ottawa ON K1L 1A9	S/58.0	0.00	26
6	GEN	Dr. Luc Ducharme and Associates	156 Beechwood Ave Ottawa ON K1L 1A9	S/58.0	0.00	27
6	GEN	Dr Luc Ducharme Dentistry Professional Corporation	156 Beechwood Ave Ottawa ON K1L 1A9	S/58.0	0.00	27
7	BORE		ON	E/63.1	-0.33	27
8	BORE		ON	SW/72.4	0.00	28
9	ECA	The Corporation of the City of Ottawa	Chapleau Putman and Langevin Ottawa ON K1N 5A1	NNW/75.1	0.96	28
10	EHS		103 Beechwood Ave Ottawa ON K1M1L6	WSW/80.3	-0.01	28
11	BORE		ON	E/80.8	0.00	29
12	SPL	PRIVATE RESIDENCE	146 BARRETT STREET (RESIDENCE) FURNACE OIL TANK VANIER CITY ON	SE/86.5	0.00	29
13	BORE		ON	ENE/90.9	0.08	30
14	ECA	City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	NE/97.4	1.70	30
14	ECA	City of Ottawa	Keefer St , (Keefer Street and River Lane) Ottawa ON K2G 6J8	NE/97.4	1.70	30
14	ECA	The Corporation of the City of Ottawa	Ivy Crescent (MacKay to MacKay) Ottawa ON K1N 5A1	NE/97.4	1.70	31
14	ECA	City of Ottawa	Avon Lane Ottawa ON K2G 6J8	NE/97.4	1.70	31
14	ECA	City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	NE/97.4	1.70	31
14	ECA	City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	NE/97.4	1.70	31
14	ECA	The Regional Municipality of Ottawa-Carleton	Chapleau Putman and Langevin Ottawa ON K2P 2L7	NE/97.4	1.70	32

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	ECA	The Regional Municipality of Ottawa-Carleton	Ivy Cres. Putman Ave. Bertrand St Ottawa ON K2P 2L7	NE/97.4	1.70	32
14	ECA	City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	NE/97.4	1.70	32
14	ECA	City of Ottawa	Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Ottawa ON K1P 1J1	NE/97.4	1.70	32
14	ECA	City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K1P 1J1	NE/97.4	1.70	33
14	ECA	City of Ottawa	Avon Lane and MacKay Street Ottawa ON K2G 6J8	NE/97.4	1.70	33
14	ECA	City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	NE/97.4	1.70	33
14	ECA	City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	NE/97.4	1.70	33
14	ECA	City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	NE/97.4	1.70	34
14	ECA	City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	NE/97.4	1.70	34
15	BORE		ON	SW/101.0	-1.00	34
16	BORE		ON	SW/101.2	-1.12	35
17	BORE		ON	ENE/105.6	0.08	35
18	WWIS		Ottawa ON	ENE/107.5	0.05	36
19	EHS		141 Beechwood Ave Ottawa ON K1M 1L4	NE/108.4	0.05	38
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE/123.7	-1.00	38
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE/123.7	-1.00	39
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE/123.7	-1.00	39
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	ENE/123.7	-1.00	39
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	ENE/123.7	-1.00	39
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE/123.7	-1.00	40
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE/123.7	-1.00	40
20	EXP	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE/123.7	-1.00	40
20	PRT	BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L8A9	ENE/123.7	-1.00	40
20	SPL	PETRO-CANADA	PETROCANADA AT 188 BEACHWOOD AVE SERVICE STATION VANIER CITY ON	ENE/123.7	-1.00	41
21	SCT	WAWA DESIGN	105 PUTMAN AVE OTTAWA ON K1M 1Z5	NNW/125.0	4.00	41

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	SCT	Wawa Design Reg'd.	105 Putman Ave Ottawa ON K1M 1Z5	NNW/125.0	4.00	41
22	BORE		ON	ENE/129.4	0.08	42
23	BORE		ON	SW/138.1	-0.97	42
24	PINC		39 LANGEVIN AVE, OTTAWA ON	W/147.6	0.00	43
25	WWIS		Ottawa ON	SW/150.6	-0.97	43
26	EHS		196 Beechwood Ave Ottawa ON K1L8A9	ENE/151.7	-1.12	46
26	SPL	PRIVATE RESIDENCE	196 BEECHWOOD AVE FURNACE OIL TANK VANIER CITY ON K1L 8A9	ENE/151.7	-1.12	46
27	GEN	monson cleaners	110 beechwood ottawa ON	SW/156.3	-1.76	47
27	GEN	monson cleaners	110 beechwood ottawa ON	SW/156.3	-1.76	47
27	GEN	monson cleaners	110 beechwood ottawa ON	SW/156.3	-1.76	47
27	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW/156.3	-1.76	47
28	EHS		110 Beechwood Avenue Vanier ON K1L 8B2	SW/156.3	-1.76	48
28	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW/156.3	-1.76	48
28	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW/156.3	-1.76	48
28	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW/156.3	-1.76	49
28	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW/156.3	-1.76	49
28	GEN	MONSON DELUXE CLEANERS	110 BEECHWOOD AVE. VANIER ON K1L 8B2	SW/156.3	-1.76	49
28	GEN	MONSON DELUXE CLEANERS 25-489	110 BEECHWOOD AVE. VANIER ON K1L 8B2	SW/156.3	-1.76	49
28	GEN	MONSON DELUXE CLEANERS	110 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW/156.3	-1.76	50
28	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW/156.3	-1.76	50
28	GEN	Monson Deluxe Cleaners	110 beechwood ave ottawa ON	SW/156.3	-1.76	50
29	BORE		ON	ENE/157.4	-0.56	50
30	GEN	BRADLEY KELLY CONSTRUCTION	111 BARRETTE STREET OTTAWA ON	SSW/163.7	-2.00	51
31	WWIS		Ottawa ON	SW/163.8	-1.69	51
32	BORE		ON	SW/164.8	-0.97	54
33	WWIS		Ottawa ON	SW/165.4	-1.76	54

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	WWIS		Ottawa ON	SW/169.5	-1.76	57
35	SPL	PRIVATE RESIDENCE	146 LAVAL ST. FURNACE OIL TANK VANIER CITY ON K1L 7Z4	SE/176.9	-0.92	60
36	EHS		94 Beechwood Avenue Ottawa ON	SW/177.4	-1.69	60
37	BORE		ON	WNW/179.7	-0.03	60
38	SPL	OTTAWA HYDRO	128 LAVAL STREET TRANSFORMER OTTAWA CITY ON K1L 7Z4	SSE/180.9	-1.00	61
39	GEN	BEECHWOOD CYCLE 05-806	92 BEECHWOOD AVE. VANIER ON K1L 8B2	SW/188.6	-1.69	61
39	GEN	BEECHWOOD CYCLE	92 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW/188.6	-1.69	62
40	EHS		29 Marier Avenue Vanier ON K1L 5S6	E/188.8	-2.00	62
40	SCT	Regimbal Trophy & Engraving	29 Marier Ave Vanier ON K1L 5S6	E/188.8	-2.00	62
40	SCT	Regimbal Trophy & Engraving Ltd.	29 Marier Ave Vanier ON K1L 5S6	E/188.8	-2.00	63
40	SCT	Regimbal Promotions Ltd.	29 Marier Ave Vanier ON K1L 5S6	E/188.8	-2.00	63
41	BORE		ON	NE/191.7	-0.69	63
42	BORE		ON	SW/192.2	-1.69	64
43	EHS		455 Green Ave Ottawa ON	NE/192.3	-0.05	64
44	INC		71 BEECHWOOD AVENUE, OTTAWA ON	SW/200.6	-1.69	64
45	BORE		ON	ENE/203.0	-1.00	65
46	BORE		ON	SW/203.0	-1.69	66
47	WWIS		Ottawa ON	SW/210.1	-2.00	66
48	SPL	Hydro Ottawa Limited/ Hydro Ottawa Limitee	67 Beechwood Ave Ottawa ON	SW/215.7	-1.69	69
49	BORE		ON	NE/216.1	-0.48	69
50	EHS		32 Marier Avenue Ottawa ON	ESE/216.4	-2.00	70
51	GEN	City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE/216.7	-1.00	70
51	GEN	City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE/216.7	-1.00	70
51	GEN	City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE/216.7	-1.00	71
51	GEN	City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE/216.7	-1.00	71
52	CA	Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON	NNE/217.9	2.64	71

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
52	ECA	Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON K2G 5X3	NNE/217.9	2.64	71
52	GEN	ROCKCLIFF PARK, VILLAGE OF 33-857	25 CARSDALE AVE. ROCKCLIFFE ON K1M 1J7	NNE/217.9	2.64	72
52	RSC	Uniform Urban Developments Ltd.	25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Rockcliffe ON K1M 1J7	NNE/217.9	2.64	72
53	EHS		200 Rideau Terrace Ottawa ON K1M 0Z3	NW/220.1	7.02	73
53	GEN	HOMESTEAD LAND HOLDINGS LIMITED	200 RIDEAU TERRACE OTTAWA ON K1M 0Z3	NW/220.1	7.02	73
53	GEN	HOMESTEAD LAND HOLDINGS LIMITED	200 RIDEAU TERRACE OTTAWA ON K1M 0Z3	NW/220.1	7.02	73
53	GEN	Homestead Land Holdings Limited	200 Rideau Terrace Ottawa ON	NW/220.1	7.02	74
54	SPL	Enbridge Gas Distribution Inc.	Beachwood and Marquette Ottawa ON	NE/231.0	-1.00	74
55	EHS		65 Acacia Ave Ottawa ON K1M0P5	N/236.8	11.79	74
56	BORE		ON	SW/236.9	-2.00	75
57	BORE		ON	NE/237.1	0.23	75
58	GEN	BEECHWOOD CYCLE & SPORTS	80 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW/237.5	-2.00	75
58	GEN	BEECHWOOD CYCLE (OUT OF BUSINESS) 04-333	80 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW/237.5	-2.00	76
59	GEN	Homstead Land Holdings Limited	200 Rideau Terrace Ottawa ON K1M 0Z3	NW/238.7	6.71	76
60	BORE		ON	NW/243.2	10.00	76
61	GEN	CONSEIL SCOLAIRE DE LANGUE FRANCIS	LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	SSE/246.7	-2.00	77
61	GEN	CONSEIL DES ECOLES PULBIQUES	LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	SSE/246.7	-2.00	77
61	GEN	CONSEIL (OUT OF BUSINESS)UES	LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	SSE/246.7	-2.00	78
61	GEN	Ecole elementaire publique Le Trillium	135 ALICE STREET OTTAWA ON	SSE/246.7	-2.00	78
61	GEN	+cole Élémentaire publique Le Trillium	135 ALICE STREET OTTAWA ON	SSE/246.7	-2.00	78
61	GEN	Ecole elementaire publique Le Trillium	135 ALICE STREET OTTAWA ON K1L 7X5	SSE/246.7	-2.00	78
61	GEN	Ecole elementaire publique Le Trillium	135 ALICE STREET OTTAWA ON K1L 7X5	SSE/246.7	-2.00	79
62	EHS		59-63 Beechwood Avenue Ottawa ON K1M 1L8	SW/247.0	-2.00	79
63	WWIS		OTTAWA ON	WNW/247.6	4.00	79
64	HINC		101 BLACK MAPLE [PRIVATE] OTTAWA ON	NNE/247.6	4.00	82
65	BORE		ON	SW/247.6	-1.97	82

<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>
66	WWIS		OTTAWA ON	NW/247.7	6.71	83
67	EHS		43 Ste. Cecile Ottawa ON	E/249.2	-2.00	85
68	SPL	RYDER TRUCK RENTAL CANADA LTD.	64 BEECHWOOD AVENUE TRANSPORT TRUCK (CARGO) VANIER CITY ON K1L 8B2	SW/249.4	-1.97	85
69	WWIS		OTTAWA ON	WNW/249.4	6.72	86

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 25 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SE	29.48	<u>2</u>
	ON	S	32.76	<u>3</u>
	ON	SSW	47.75	<u>4</u>
	ON	E	55.33	<u>5</u>
	ON	SW	72.42	<u>8</u>
	ON	E	80.83	<u>11</u>
	ON	ENE	90.90	<u>13</u>
	ON	ENE	105.60	<u>17</u>
	ON	ENE	129.42	<u>22</u>
	ON	NE	237.05	<u>57</u>
	ON	NW	243.20	<u>60</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	E	63.11	<u>7</u>
	ON	SW	101.03	<u>15</u>
	ON	SW	101.19	<u>16</u>
	ON	SW	138.08	<u>23</u>
	ON	ENE	157.41	<u>29</u>
	ON	SW	164.77	<u>32</u>

ON	WNW	179.69	37
ON	NE	191.70	41
ON	SW	192.18	42
ON	ENE	202.98	45
ON	SW	203.03	46
ON	NE	216.14	49
ON	SW	236.94	56
ON	SW	247.61	65

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON	NNE	217.87	52

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jan 31, 2018 has found that there are 18 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the City of Ottawa	Chapleau Putman and Langevin Ottawa ON K1N 5A1	NNW	75.10	9
City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	NE	97.41	14
City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	NE	97.41	14
City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	NE	97.41	14
City of Ottawa	Keefer St , (Keefer Street and River Lane) Ottawa ON K2G 6J8	NE	97.41	14
The Corporation of the City of Ottawa	Ivy Crescent (MacKay to MacKay) Ottawa ON K1N 5A1	NE	97.41	14
City of Ottawa	Avon Lane Ottawa ON K2G 6J8	NE	97.41	14
City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	NE	97.41	14
City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	NE	97.41	14

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Regional Municipality of Ottawa-Carleton	Chapleau Putman and Langevin Ottawa ON K2P 2L7	NE	97.41	<u>14</u>
The Regional Municipality of Ottawa-Carleton	Ivy Cres. Putman Ave. Bertrand St Ottawa ON K2P 2L7	NE	97.41	<u>14</u>
City of Ottawa	Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	NE	97.41	<u>14</u>
City of Ottawa	Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Ottawa ON K1P 1J1	NE	97.41	<u>14</u>
City of Ottawa	South of Keefer & Stanley Streets Intersection S Ottawa ON K1P 1J1	NE	97.41	<u>14</u>
City of Ottawa	Avon Lane and MacKay Street Ottawa ON K2G 6J8	NE	97.41	<u>14</u>
City of Ottawa	Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	NE	97.41	<u>14</u>
City of Ottawa	Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	NE	97.41	<u>14</u>
Uniform Urban Developments Ltd.	25 Carsdale Avenue Ottawa ON K2G 5X3	NNE	217.87	<u>52</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 13 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	121 Beechwood Ave Ottawa ON K1M1L5	ENE	9.02	<u>1</u>
	141 Beechwood Ave Ottawa ON K1M 1L4	NE	108.35	<u>19</u>
	200 Rideau Terrace Ottawa ON K1M 0Z3	NW	220.07	<u>53</u>
	65 Acacia Ave Ottawa ON K1M0P5	N	236.76	<u>55</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	103 Beechwood Ave Ottawa ON K1M1L6	WSW	80.31	<u>10</u>
	196 Beechwood Ave Ottawa ON K1L8A9	ENE	151.74	<u>26</u>
	110 Beechwood Avenue Vanier ON K1L 8B2	SW	156.32	<u>28</u>
	94 Beechwood Avenue Ottawa ON	SW	177.38	<u>36</u>
	29 Marier Avenue Vanier ON K1L 5S6	E	188.79	<u>40</u>
	455 Green Ave Ottawa ON	NE	192.27	<u>43</u>

32 Marier Avenue Ottawa ON	ESE	216.38	50
59-63 Beechwood Avenue Ottawa ON K1M 1L8	SW	247.01	62
43 Ste. Cecile Ottawa ON	E	249.15	67

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 8 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE	123.73	20
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L 8A9	ENE	123.73	20

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 38 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Dr Luc Ducharme Dentistry Professional Corporation	156 Beechwood Ave Ottawa ON K1L 1A9	S	57.96	6
Dr Luc Ducharme Dentistry Professional Corporation	156 Beechwood Ave Ottawa ON K1L 1A9	S	57.96	6
Dr. Luc Ducharme and Associates	156 Beechwood Ave Ottawa ON K1L 1A9	S	57.96	6
Dr Luc Ducharme Dentistry Professional Corporation	156 Beechwood Ave Ottawa ON K1L 1A9	S	57.96	6
ROCKCLIFF PARK, VILLAGE OF 33-857	25 CARSDALE AVE. ROCKCLIFFE ON K1M 1J7	NNE	217.87	52
HOMESTEAD LAND HOLDINGS LIMITED	200 RIDEAU TERRACE OTTAWA ON K1M 0Z3	NW	220.07	53
HOMESTEAD LAND HOLDINGS LIMITED	200 RIDEAU TERRACE OTTAWA ON K1M 0Z3	NW	220.07	53

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Homestead Land Holdings Limited	200 Rideau Terrace Ottawa ON	NW	220.07	<u>53</u>
Homestead Land Holdings Limited	200 Rideau Terrace Ottawa ON K1M 0Z3	NW	238.75	<u>59</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
monson cleaners	110 beechwood ottawa ON	SW	156.28	<u>27</u>
monson cleaners	110 beechwood ottawa ON	SW	156.28	<u>27</u>
monson cleaners	110 beechwood ottawa ON	SW	156.28	<u>27</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW	156.28	<u>27</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW	156.32	<u>28</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW	156.32	<u>28</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW	156.32	<u>28</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW	156.32	<u>28</u>
MONSON DELUXE CLEANERS	110 BEECHWOOD AVE. VANIER ON K1L 8B2	SW	156.32	<u>28</u>
MONSON DELUXE CLEANERS 25-489	110 BEECHWOOD AVE. VANIER ON K1L 8B2	SW	156.32	<u>28</u>
MONSON DELUXE CLEANERS	110 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW	156.32	<u>28</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON K1L8B2	SW	156.32	<u>28</u>
Monson Deluxe Cleaners	110 beechwood ave ottawa ON	SW	156.32	<u>28</u>
BRADLEY KELLY CONSTRUCTION	111 BARRETTE STREET OTTAWA ON	SSW	163.66	<u>30</u>
BEECHWOOD CYCLE 05-806	92 BEECHWOOD AVE. VANIER ON K1L 8B2	SW	188.59	<u>39</u>
BEECHWOOD CYCLE	92 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW	188.59	<u>39</u>
City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE	216.68	<u>51</u>
City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE	216.68	<u>51</u>
City of Ottawa	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE	216.68	<u>51</u>
City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch	220 Beechwood Avenue Ottawa ON K1L 8A8	ENE	216.68	<u>51</u>

BEECHWOOD CYCLE & SPORTS	80 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW	237.53	58
BEECHWOOD CYCLE (OUT OF BUSINESS) 04-333	80 BEECHWOOD AVENUE VANIER ON K1L 8B2	SW	237.53	58
CONSEIL SCOLAIRE DE LANGUE FRANCIS	LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	SSE	246.66	61
CONSEIL DES ECOLES PULBIQUES	LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	SSE	246.66	61
CONSEIL (OUT OF BUSINESS)UES	LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	SSE	246.66	61
Ecole elementaire publique Le Trillium	135 ALICE STREET OTTAWA ON	SSE	246.66	61
+cole Élémentaire publique Le Trillium	135 ALICE STREET OTTAWA ON	SSE	246.66	61
Ecole elementaire publique Le Trillium	135 ALICE STREET OTTAWA ON K1L 7X5	SSE	246.66	61
Ecole elementaire publique Le Trillium	135 ALICE STREET OTTAWA ON K1L 7X5	SSE	246.66	61

HINC - TSSA Historic Incidents

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	101 BLACK MAPLE [PRIVATE] OTTAWA ON	NNE	247.58	64

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	71 BEECHWOOD AVENUE, OTTAWA ON	SW	200.59	44

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	39 LANGEVIN AVE, OTTAWA ON	W	147.62	24

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 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BEECHWOOD CANADA SERVICE STATION INC	188 BEECHWOOD AV VANIER ON K1L8A9	ENE	123.73	20

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Nov 2017 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Uniform Urban Developments Ltd.	25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Rockcliffe ON K1M 1J7	NNE	217.87	52

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 5 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Wawa Design Reg'd.	105 Putman Ave Ottawa ON K1M 1Z5	NNW	125.01	21
WAWA DESIGN	105 PUTMAN AVE OTTAWA ON K1M 1Z5	NNW	125.01	21

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Regimbal Promotions Ltd.	29 Marier Ave Vanier ON K1L 5S6	E	188.79	40
Regimbal Trophy & Engraving Ltd.	29 Marier Ave Vanier ON K1L 5S6	E	188.79	40
Regimbal Trophy & Engraving	29 Marier Ave Vanier ON K1L 5S6	E	188.79	40

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2017 has found that there are 8 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE RESIDENCE	146 BARRETT STREET (RESIDENCE) FURNACE OIL TANK VANIER CITY ON	SE	86.46	12

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PETRO-CANADA	PETROCANADA AT 188 BEACHWOOD AVE SERVICE STATION VANIER CITY ON	ENE	123.73	20
PRIVATE RESIDENCE	196 BEECHWOOD AVE FURNACE OIL TANK VANIER CITY ON K1L 8A9	ENE	151.74	26

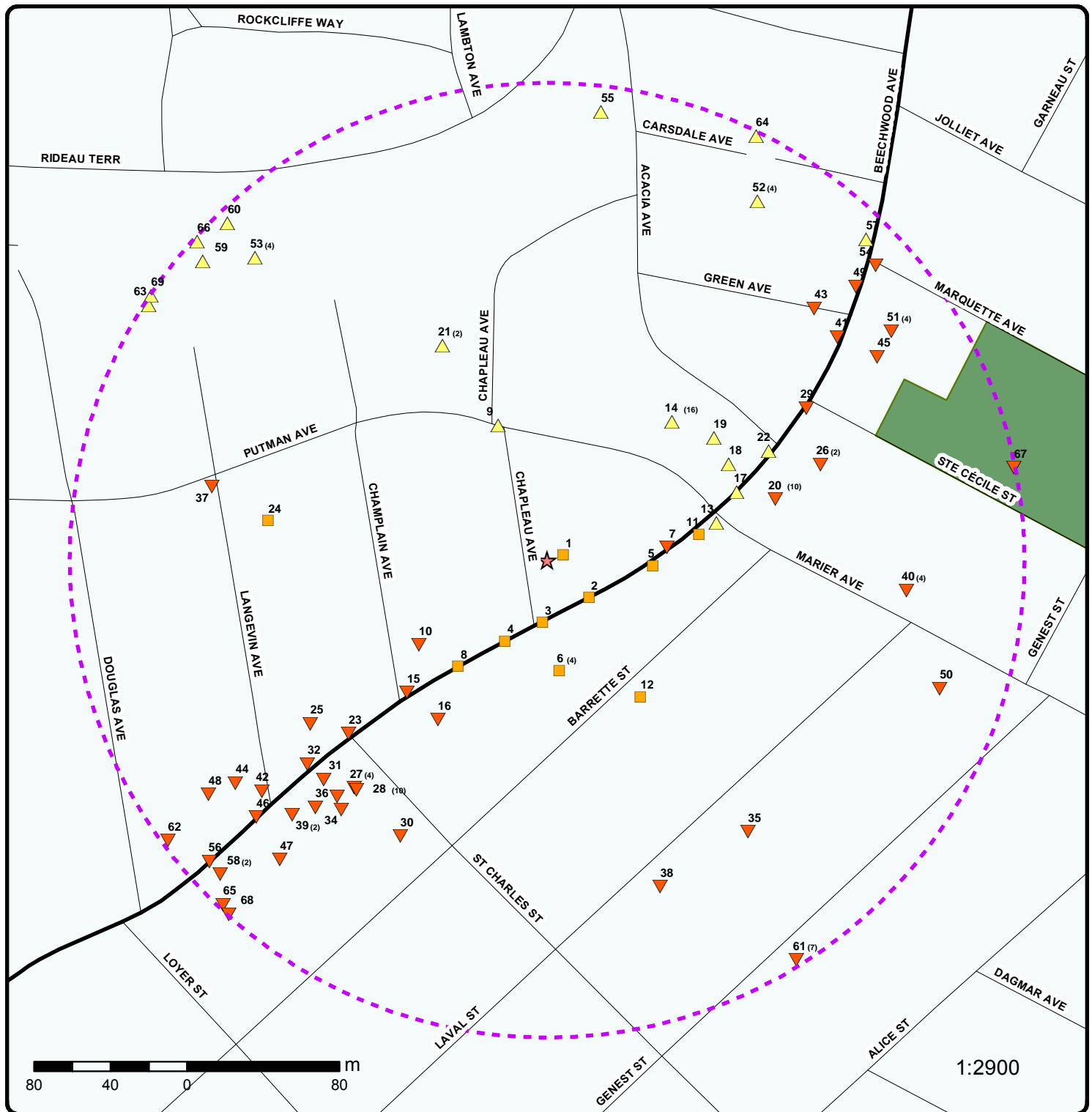
PRIVATE RESIDENCE	146 LAVAL ST. FURNACE OIL TANK VANIER CITY ON K1L 7Z4	SE	176.90	35
OTTAWA HYDRO	128 LAVAL STREET TRANSFORMER OTTAWA CITY ON K1L 7Z4	SSE	180.86	38
Hydro Ottawa Limited/ Hydro Ottawa Limitee	67 Beechwood Ave Ottawa ON	SW	215.68	48
Enbridge Gas Distribution Inc.	Beachwood and Marquette Ottawa ON	NE	230.96	54
RYDER TRUCK RENTAL CANADA LTD.	64 BEECHWOOD AVENUE TRANSPORT TRUCK (CARGO) VANIER CITY ON K1L 8B2	SW	249.37	68

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 9 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON	ENE	107.53	18
	OTTAWA ON	WNW	247.55	63
	OTTAWA ON	NW	247.75	66
	OTTAWA ON	WNW	249.38	69

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Ottawa ON	SW	150.64	25
	Ottawa ON	SW	163.82	31
	Ottawa ON	SW	165.45	33
	Ottawa ON	SW	169.49	34
	Ottawa ON	SW	210.10	47



Map : 0.25 Kilometer Radius

Order No: 20180418141

Address: 119 Beechwood Ave, Ottawa, ON, K1M1L5

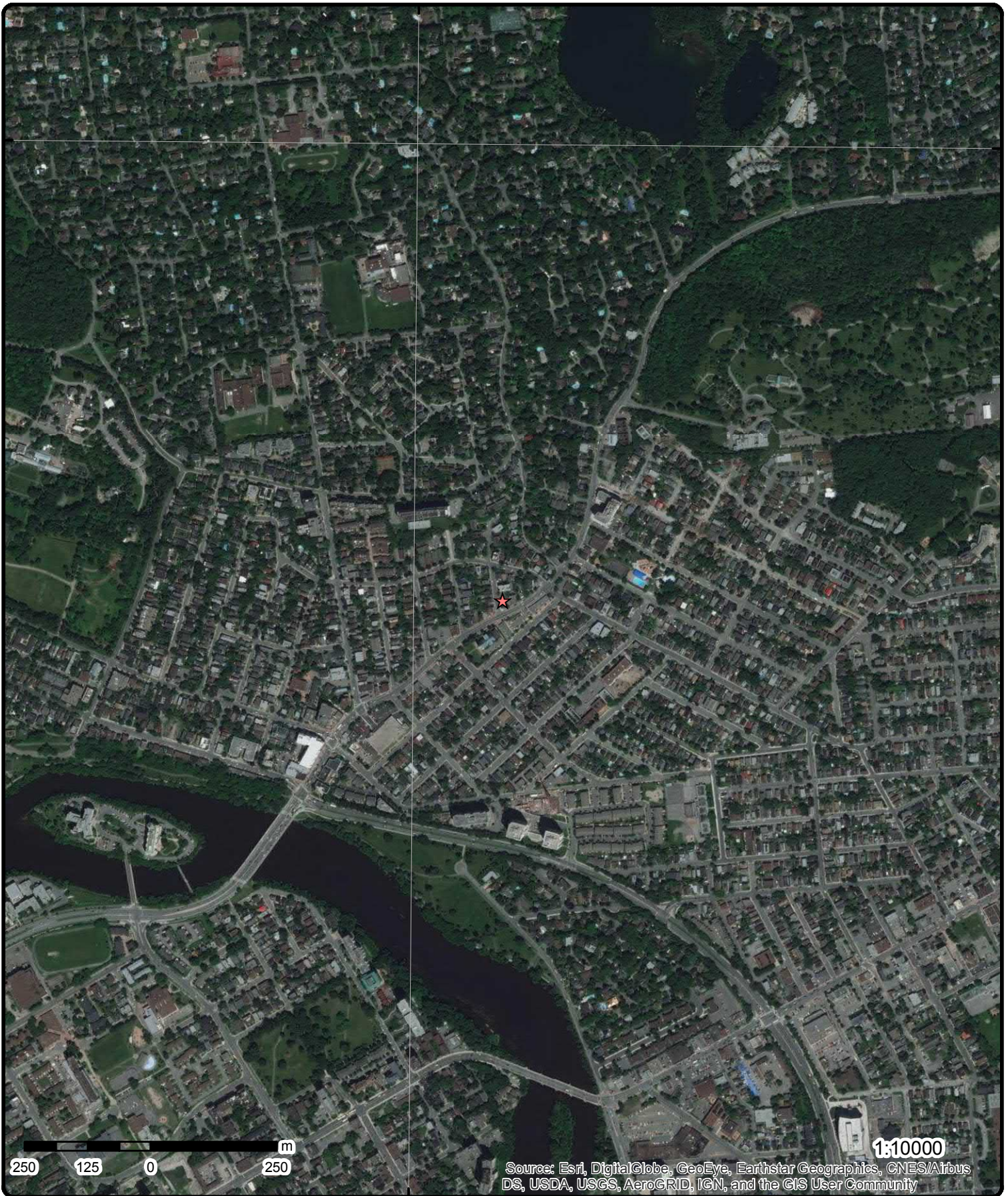


Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range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

75°40'30"W

45°27'N

45°27'N



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial (2017)

Address: 119 Beechwood Ave, Ottawa, ON, K1M1L5

Source: ESRI World Imagery

Order No: 20180418141

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	ENE/9.0	57.9 / 0.00	121 Beechwood Ave Ottawa ON K1M1L5	EHS
Order ID: 297505		Date Received: 03-MAR-14			
Order No: 20140303034		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: -75.672618			
Report Date: 07-MAR-14		Y: 45.441871			
Report Requested by: Pinchin Ltd					
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
2	1 of 1	SE/29.5	57.9 / 0.00	ON	BORE
Borehole ID: 801137		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Rotary (conventional)		UTM Zone:: 18			
Easting:: 447409.94		Northing:: 5032236.03			
Location Accuracy::		Orig. Ground Elev m:: 57.9			
Elev. Reliability Note::		DEM Ground Elev m:: 58			
Total Depth m:: 3		Primary Name:: BH 12			
Township::		Concession::			
Lot::		Municipality:			
Completion Date:: 01-APR-1971		Static Water Level:: 2.6			
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID: 218566949		Top Depth(m): 0.0			
Bottom Depth(m): 0.1		Stratum Desc: Asphalt			
Stratum ID: 218566950		Top Depth(m): 0.1			
Bottom Depth(m): 0.2		Stratum Desc: Concrete			
Stratum ID: 218566951		Top Depth(m): 0.2			
Bottom Depth(m): 0.3		Stratum Desc: Fill-Misc Sand - Gravel			
Stratum ID: 218566952		Top Depth(m): 0.3			
Bottom Depth(m): 1.9		Stratum Desc: Black Bedrock Shale			
Stratum ID: 218566953		Top Depth(m): 1.9			
Bottom Depth(m): 3.0		Stratum Desc: Black Bedrock Shale Fairly Sound			
3	1 of 1	S/32.8	57.9 / 0.00	ON	BORE
Borehole ID: 801142		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	Rotary (conventional) 447385.64 3.4 22-FEB-1971			UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	18 5032222.99 58.2 58.3 BH 13 -999.9
--Details--					
Stratum ID:	218566969			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218566970			Top Depth(m):	0.2
Bottom Depth(m):	0.6			Stratum Desc:	Fill-Misc Sand - Gravel
Stratum ID:	218566971			Top Depth(m):	0.6
Bottom Depth(m):	3.0			Stratum Desc:	Black Bedrock Shale
Stratum ID:	218566972			Top Depth(m):	3.0
Bottom Depth(m):	3.4			Stratum Desc:	Black Bedrock Shale Fairly Sound
Stratum ID:	218566968			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
4	1 of 1	SSW/47.8	57.9 / 0.00	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	801147 Geotechnical/Geological Investigation Rotary (conventional) 447365.74 3.4 22-FEB-1971			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5032213.36 58.6 58.4 BH 14 -999.9
--Details--					
Stratum ID:	218566984			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218566985			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Concrete
Stratum ID:	218566986			Top Depth(m):	0.3
Bottom Depth(m):	0.6			Stratum Desc:	Fill-Misc Sand - Gravel
Stratum ID:	218566987			Top Depth(m):	0.6
Bottom Depth(m):	1.8			Stratum Desc:	Black Bedrock Shale
Stratum ID:	218566988			Top Depth(m):	1.8
Bottom Depth(m):	3.4			Stratum Desc:	Black Bedrock Shale Fairly Sound
5	1 of 1	E/55.3	57.9 / 0.00	ON	BORE
Borehole ID:	801135			Type:	Borehole

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Rotary (conventional)			UTM Zone::	18
Easting::	447443.19			Northing::	5032252.91
Location Accuracy::				Orig. Ground Elev m::	57.5
Elev. Reliability Note::				DEM Ground Elev m::	57.6
Total Depth m::	3.4			Primary Name::	BH 11
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	01-APR-1971			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
<hr/>					
--Details--					
Stratum ID:	218566944			Top Depth(m):	0.2
Bottom Depth(m):	0.8			Stratum Desc:	Dark Brown Fill-Misc Silt - Sand With: Gr
Stratum ID:	218566945			Top Depth(m):	0.8
Bottom Depth(m):	2.3			Stratum Desc:	Black Bedrock Shale
Stratum ID:	218566946			Top Depth(m):	2.3
Bottom Depth(m):	3.4			Stratum Desc:	Black Bedrock Shale Fairly Sound
Stratum ID:	218566942			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218566943			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
<hr/>					
6	1 of 4	S/58.0	57.9 / 0.00	Dr Luc Ducharme Dentistry Professional Corporation 156 Beechwood Ave Ottawa ON K1L 1A9	GEN
Generator No.:	ON3344314			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Anne Maisonneuve
MHSW Facility:	No			Phone No. Admin:	613-749-1785 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<hr/>					
--Details--					
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				
<hr/>					
6	2 of 4	S/58.0	57.9 / 0.00	Dr Luc Ducharme Dentistry Professional Corporation 156 Beechwood Ave Ottawa ON K1L 1A9	GEN
Generator No.:	ON3344314			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Anne Maisonneuve
MHSW Facility:	No			Phone No. Admin:	613-749-1785 Ext.
SIC Code:	621210				
SIC Description:	OFFICES OF DENTISTS				
<hr/>					
--Details--					
Waste Code:	312				
Waste Description:	PATHOLOGICAL WASTES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
6	3 of 4	S/58.0	57.9 / 0.00	Dr. Luc Ducharme and Associates 156 Beechwood Ave Ottawa ON K1L 1A9	GEN
Generator No.: ON3344314 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_ADMIN Co Admin: Fanny Desjardins Phone No. Admin: 613-749-1785 Ext.			
--Details--					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
6	4 of 4	S/58.0	57.9 / 0.00	Dr Luc Ducharme Dentistry Professional Corporation 156 Beechwood Ave Ottawa ON K1L 1A9	GEN
Generator No.: ON3344314 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: 312 P					
Waste Description: Pathological wastes					
7	1 of 1	E/63.1	57.5 / -0.33	ON	BORE
Borehole ID: 613778 Use: Drill Method:: Easting:: 447451 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 3.4 Township:: Lot:: Completion Date:: APR-1971 Primary Water Use::		Type: Borehole Status:: UTM Zone:: 18 Northing:: 5032262 Orig. Ground Elev m:: 57.5 DEM Ground Elev m:: 57.3 Primary Name:: Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use::			
--Details--					
Stratum ID: 218396573		Top Depth(m): 0.0			
Bottom Depth(m): 0.2		Stratum Desc: ARTIFICIAL.			
Stratum ID: 218396574		Top Depth(m): 0.2			
Bottom Depth(m): 0.8		Stratum Desc: ARTIFICIAL. DARK,BROWN.			
Stratum ID: 218396575		Top Depth(m): 0.8			
Bottom Depth(m): 2.3		Stratum Desc: BEDROCK. BLACK,WEATHERED.			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Stratum ID: Bottom Depth(m):	218396576 3.4			Top Depth(m): Stratum Desc:	2.3 BEDROCK. BLACK,SOUND. 0000807900025100DENSE TO VERY DENSE. BEDROCK. BEDROCK. 00000 012
<hr/>					
<u>8</u>	1 of 1	SW/72.4	57.9 / 0.00	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	801152 Geotechnical/Geological Investigation Rotary (conventional) 447341.28 3.4 19-FEB-1971			Type: Status:: UTM Zone:: Northing:: Orig. Ground Elev m:: DEM Ground Elev m:: Primary Name:: Concession:: Municipality: Static Water Level:: Sec. Water Use::	Borehole 18 5032200.32 58.9 58.7 BH 15 -999.9
<hr/>					
--Details-- Stratum ID: Bottom Depth(m):	218567006 0.1			Top Depth(m): Stratum Desc:	0.0 Asphalt
Stratum ID: Bottom Depth(m):	218567007 0.3			Top Depth(m): Stratum Desc:	0.1 Concrete
Stratum ID: Bottom Depth(m):	218567008 0.9			Top Depth(m): Stratum Desc:	0.3 Dark Brown Fill-Misc Silt - Sand With: Gr
Stratum ID: Bottom Depth(m):	218567009 1.8			Top Depth(m): Stratum Desc:	0.9 Dark Brown Bedrock Shale
Stratum ID: Bottom Depth(m):	218567010 3.4			Top Depth(m): Stratum Desc:	1.8 Black Bedrock Shale Fairly Sound
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<u>9</u>	1 of 1	NNW/75.1	58.8 / 0.96	The Corporation of the City of Ottawa Chapleau Putman and Langevin Ottawa ON K1N 5A1	ECA
Approval No: Approval Type: Status: Approval Date: Record Type: Project Type: Link Source: Full Address: Full PDF Link:	8817-4LQQ35 ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approved 2000-06-28 ECA MUNICIPAL AND PRIVATE SEWAGE WORKS IDS https://www.accessenvironment.ene.gov.on.ca/instruments/6330-4LFS2Z-14.pdf			MOE District: SWP Area Name: Address: City: Longitude: Latitude:	Ottawa Rideau Valley Chapleau Putman and Langevin Ottawa -75.6719 45.4425
<hr/>					
<u>10</u>	1 of 1	WSW/80.3	57.9 / -0.01	103 Beechwood Ave Ottawa ON K1M1L6	EHS
Order ID: Order No: Customer ID: Company ID:	553738 20180109073 171589 38525			Date Received: Lot/Building Size: Municipality: Client Prov/State:	09-JAN-18 ON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: C Report Code: 27CAN Report Type: Standard Express Report Report Date: 09-JAN-18 Report Requested by: GEMTEC Consulting Engineers and Scientists Nearest Intersection: Previous Site Name: Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory					
Search Radius (km): .25 Large Radius: 2 X: -75.673579 Y: 45.441441					
11	1 of 1	E/80.8	57.9 / 0.00	ON	BORE
Borehole ID: 801132 Use: Geotechnical/Geological Investigation Drill Method:: Rotary (conventional) Easting:: 447467.56 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 3 Township:: Lot:: Completion Date:: 08-APR-1971 Primary Water Use::					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5032269.45 Orig. Ground Elev m:: 57.1 DEM Ground Elev m:: 57.3 Primary Name:: BH 10 Concession:: Municipality: Static Water Level:: 2.1 Sec. Water Use::					
--Details--					
Stratum ID: 218566928 Bottom Depth(m): 0.1					
Top Depth(m): 0.0 Stratum Desc: Asphalt					
Stratum ID: 218566929 Bottom Depth(m): 0.2					
Top Depth(m): 0.1 Stratum Desc: Concrete					
Stratum ID: 218566930 Bottom Depth(m): 0.5					
Top Depth(m): 0.2 Stratum Desc: Fill-Misc Sand - Gravel					
Stratum ID: 218566931 Bottom Depth(m): 2.1					
Top Depth(m): 0.5 Stratum Desc: Black Bedrock Shale					
Stratum ID: 218566932 Bottom Depth(m): 3.0					
Top Depth(m): 2.1 Stratum Desc: Black Bedrock Shale					
12	1 of 1	SE/86.5	57.9 / 0.00	PRIVATE RESIDENCE 146 BARRETT STREET (RESIDENCE) FURNACE OIL TANK VANIER CITY ON	SPL
Ref No: 120367 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 11/3/1995 Health/Env Conseq: Incident Dt: 11/2/1995 Incident Cause: OTHER CONTAINER LEAK Incident Event: Incident Reason: MATERIAL FAILURE Incident Summary: PRIVATE RESIDENCE- 30L FUEL OIL TO SOIL BASEMENTNO SEWERS, OWNER					
Sector Type: Source Type: Receiving Medium: LAND Receiving Env: Environment Impact: CONFIRMED Nature of Impact: Soil contamination SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20102 Site Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
CLEANING					
13	1 of 1	ENE/90.9	58.0 / 0.08	ON	BORE
Borehole ID: 808865		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Boring		UTM Zone:: 18			
Easting:: 447476.69		Northing:: 5032275.28			
Location Accuracy::		Orig. Ground Elev m:: 56.9			
Elev. Reliability Note::		DEM Ground Elev m:: 57.4			
Total Depth m:: 3.8		Primary Name:: BH 253			
Township::		Concession::			
Lot::		Municipality:			
Completion Date:: 04-MAY-1965		Static Water Level:: -999.9			
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID: 218597996		Top Depth(m): 0.0			
Bottom Depth(m): 0.9		Stratum Desc: Asphalt With: Sa W Gr Trace: Si			
Stratum ID: 218597997		Top Depth(m): 0.9			
Bottom Depth(m): 1.1		Stratum Desc: Compact Till sand silt With: Gr			
Stratum ID: 218597998		Top Depth(m): 1.1			
Bottom Depth(m): 3.8		Stratum Desc: Dark Grey Shale			
14	1 of 16	NE/97.4	59.6 / 1.70	City of Ottawa South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	ECA
Approval No: 1164-AK3S8L		MOE District: Ottawa			
Approval Type: ECA-AIR		SWP Area Name: Rideau Valley			
Status: Revoked and/or Replaced		Address: South of Keefer & Stanley Streets Intersection S			
Approval Date: 2017-03-10		City: Ottawa			
Record Type: ECA		Longitude: -75.6719			
Project Type: AIR		Latitude: 45.4425			
Link Source: IDS					
Full Address:					
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8606-A8KPJB-14.pdf					
14	2 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Keefer St , (Keefer Street and River Lane) Ottawa ON K2G 6J8	ECA
Approval No: 4305-7DJK4L		MOE District: Ottawa			
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		SWP Area Name: Rideau Valley			
Status: Revoked and/or Replaced		Address: Keefer St , (Keefer Street and River Lane)			
Approval Date: 2008-05-29		City: Ottawa			
Record Type: ECA		Longitude: -75.6719			
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS		Latitude: 45.4425			
Link Source: IDS					
Full Address:					
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6292-7CMLCU-14.pdf					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	3 of 16	NE/97.4	59.6 / 1.70	The Corporation of the City of Ottawa Ivy Crescent (MacKay to MacKay) Ottawa ON K1N 5A1	ECA
Approval No:	2437-4H6R52			MOE District:	Ottawa
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			SWP Area Name:	Rideau Valley
Status:	Approved			Address:	Ivy Crescent (MacKay to MacKay)
Approval Date:	2000-03-09			City:	Ottawa
Record Type:	ECA			Longitude:	-75.6719
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS			Latitude:	45.4425
Link Source:	IDS				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4364-4GLQM7-14.pdf				
14	4 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Avon Lane Ottawa ON K2G 6J8	ECA
Approval No:	0837-79ZSA7			MOE District:	Ottawa
Approval Type:	ECA-Municipal Drinking Water Systems			SWP Area Name:	Rideau Valley
Status:	Approved			Address:	Avon Lane
Approval Date:	2007-12-19			City:	
Record Type:	ECA			Longitude:	-75.67190000000001
Project Type:	Municipal Drinking Water Systems			Latitude:	45.4425
Link Source:	IDS				
Full Address:					
Full PDF Link:					
14	5 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	ECA
Approval No:	0949-5P3Q8B			MOE District:	Ottawa
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			SWP Area Name:	Rideau Valley
Status:	Approved			Address:	Sussex Drive (King Edward Ave , to Mackay St.)
Approval Date:	2003-07-07			City:	Ottawa
Record Type:	ECA			Longitude:	-75.6719
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS			Latitude:	45.4425
Link Source:	IDS				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1914-5NERUT-14.pdf				
14	6 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	ECA
Approval No:	9099-7D3S8Y			MOE District:	Ottawa
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			SWP Area Name:	Rideau Valley
Status:	Approved			Address:	Keefer Street (Stanley Ave. to Crichton St.)
Approval Date:	2008-03-27			City:	Ottawa
Record Type:	ECA			Longitude:	-75.6719
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS			Latitude:	45.4425
Link Source:	IDS				
Full Address:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/8733-7CNRTJ-14.pdf			
14	7 of 16	NE/97.4	59.6 / 1.70	The Regional Municipality of Ottawa-Carleton Chapleau Putman and Langevin Ottawa ON K2P 2L7	ECA
Approval No: 8751-4LQQ8G Approval Type: ECA-Municipal and Private Water Works Status: Approved Approval Date: 2000-06-28 Record Type: ECA Project Type: Municipal and Private Water Works Link Source: IDS Full Address: Full PDF Link:		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Chapleau Putman and Langevin City: Longitude: -75.67190000000001 Latitude: 45.4425			
14	8 of 16	NE/97.4	59.6 / 1.70	The Regional Municipality of Ottawa-Carleton Ivy Cres. Putman Ave. Bertrand St Ottawa ON K2P 2L7	ECA
Approval No: 2785-4H6RE9 Approval Type: ECA-Municipal and Private Water Works Status: Approved Approval Date: 2000-03-09 Record Type: ECA Project Type: Municipal and Private Water Works Link Source: IDS Full Address: Full PDF Link:		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Ivy Cres. Putman Ave. Bertrand St City: Longitude: -75.67190000000001 Latitude: 45.4425			
14	9 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	ECA
Approval No: 1500-4X6Q6W Approval Type: ECA-Municipal and Private Water Works Status: Approved Approval Date: 2001-06-21 Record Type: ECA Project Type: Municipal and Private Water Works Link Source: IDS Full Address: Full PDF Link:		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Avon Lane(Dufferin to 90 m West) City: Longitude: -75.67190000000001 Latitude: 45.4425			
14	10 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, Ottawa ON K1P 1J1	ECA
Approval No: 1491-5K6QQV Approval Type: ECA-Municipal and Private Water Works Status: Approved Approval Date: 2003-03-13 Record Type: ECA Project Type: Municipal and Private Water Works Link Source: IDS Full Address: Full PDF Link:		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Sussex Drive (Stanley St , to Mackay St.) , Ottawa City, City: Longitude: -75.67190000000001 Latitude: 45.4425			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	11 of 16	NE/97.4	59.6 / 1.70	City of Ottawa South of Keefer & Stanley Streets Intersection S Ottawa ON K1P 1J1	ECA
Approval No: 4691-5UZQRC Approval Type: ECA-AIR Status: Revoked and/or Replaced Approval Date: 2004-01-19 Record Type: ECA Project Type: AIR Link Source: IDS Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7364-5R7QYU-14.pdf		MOE District: Ottawa SWP Area Name: Rideau Valley Address: South of Keefer & Stanley Streets Intersection S City: Ottawa Longitude: -75.6719 Latitude: 45.4425			
14	12 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Avon Lane and MacKay Street Ottawa ON K2G 6J8	ECA
Approval No: 9386-79ZRAJ Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Status: Approved Approval Date: 2007-12-19 Record Type: ECA Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Link Source: IDS Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5255-79VTU7-14.pdf		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Avon Lane and MacKay Street City: Ottawa Longitude: -75.6719 Latitude: 45.4425			
14	13 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Sussex Drive (King Edward Ave , to Mackay St.) Ottawa ON K1P 1J1	ECA
Approval No: 2742-5KSKYE Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Status: Approved Approval Date: 2003-04-03 Record Type: ECA Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Link Source: IDS Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6421-5JYTKR-14.pdf		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Sussex Drive (King Edward Ave , to Mackay St.) City: Ottawa Longitude: -75.6719 Latitude: 45.4425			
14	14 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Keefer Street (Stanley Ave. to Crichton St.) Ottawa ON K2G 6J8	ECA
Approval No: 1819-7D3SEB Approval Type: ECA-Municipal Drinking Water Systems Status: Approved Approval Date: 2008-03-27 Record Type: ECA Project Type: Municipal Drinking Water Systems		MOE District: Ottawa SWP Area Name: Rideau Valley Address: Keefer Street (Stanley Ave. to Crichton St.) City: Longitude: -75.67190000000001 Latitude: 45.4425			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Link Source: Full Address: Full PDF Link:	IDS				
14	15 of 16	NE/97.4	59.6 / 1.70	City of Ottawa Avon Lane(Dufferin to 90 m West) Ottawa ON K1N 5A1	ECA
Approval No: Approval Type: Status: Approval Date: Record Type: Project Type: Link Source: Full Address: Full PDF Link:	8765-4X8RFT ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Approved 2001-06-19 ECA MUNICIPAL AND PRIVATE SEWAGE WORKS IDS https://www.accessenvironment.ene.gov.on.ca/instruments/0208-4X6KVQ-14.pdf			MOE District: Ottawa SWP Area Name: Rideau Valley Address: Avon Lane(Dufferin to 90 m West) City: Ottawa Longitude: -75.6719 Latitude: 45.4425	
14	16 of 16	NE/97.4	59.6 / 1.70	City of Ottawa South of Keefer & Stanley Streets Intersection S Ottawa ON K2G 6J8	ECA
Approval No: Approval Type: Status: Approval Date: Record Type: Project Type: Link Source: Full Address: Full PDF Link:	3940-AMMP57 ECA-AIR Approved 2017-05-31 ECA AIR IDS https://www.accessenvironment.ene.gov.on.ca/instruments/4251-AKWH9U-14.pdf			MOE District: Ottawa SWP Area Name: Rideau Valley Address: South of Keefer & Stanley Streets Intersection S City: Ottawa Longitude: -75.6719 Latitude: 45.4425	
15	1 of 1	SW/101.0	56.9 / -1.00	ON	BORE
Borehole ID: Use: Drill Method:: Easting:: Location Accuracy:: Elev. Reliability Note:: Total Depth m:: Township:: Lot:: Completion Date:: Primary Water Use::	801156 Geotechnical/Geological Investigation Rotary (conventional) 447314.53 3.8 19-FEB-1971			Type: Borehole Status:: UTM Zone:: 18 Northing:: 5032186.32 Orig. Ground Elev m:: 59 DEM Ground Elev m:: 58.9 Primary Name:: BH 16 Concession:: Municipality: Static Water Level:: 3.5 Sec. Water Use::	
--Details-- Stratum ID: Bottom Depth(m):	218567019 0.1			Top Depth(m): 0.0 Stratum Desc: Asphalt	
Stratum ID: Bottom Depth(m):	218567020 0.3			Top Depth(m): 0.1 Stratum Desc: Concrete	
Stratum ID: Bottom Depth(m):	218567021 2.7			Top Depth(m): 0.3 Stratum Desc: Dark Brown to Grey Very Dense Till sand silt With: Gr Trace: Cl	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Stratum ID:	218567022			Top Depth(m):	2.7
Bottom Depth(m):	3.8			Stratum Desc:	Black Bedrock Shale Fairly Sound
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16	1 of 1	SW/101.2	56.8 / -1.12	ON	BORE
Borehole ID:	613770			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	447331			Northing::	5032172
Location Accuracy::				Orig. Ground Elev m::	59
Elev. Reliability Note::				DEM Ground Elev m::	58.6
Total Depth m::	3.8			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	APR-1972			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
<hr/>					
--Details--					
Stratum ID:	218396546			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	ARTIFICIAL.
Stratum ID:	218396547			Top Depth(m):	0.3
Bottom Depth(m):	2.7			Stratum Desc:	SILT. BROWN,GREY,VERY DENSE,MOTTLED.
Stratum ID:	218396548			Top Depth(m):	2.7
Bottom Depth(m):	3.8			Stratum Desc:	BEDROCK. BLACK,SOUND. 0000010000009100CRYSTALINE. 00000030001500270028001100382019040 00
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17	1 of 1	ENE/105.6	58.0 / 0.08	ON	BORE
Borehole ID:	801130			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Rotary (conventional)			UTM Zone::	18
Easting::	447487.22			Northing::	5032291.58
Location Accuracy::				Orig. Ground Elev m::	56.8
Elev. Reliability Note::				DEM Ground Elev m::	56.9
Total Depth m::	5.2			Primary Name::	BH 9
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	08-APR-1971			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
<hr/>					
--Details--					
Stratum ID:	218566920			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218566921			Top Depth(m):	0.1
Bottom Depth(m):	0.3			Stratum Desc:	Concrete
Stratum ID:	218566922			Top Depth(m):	0.3
Bottom Depth(m):	1.4			Stratum Desc:	Dark Brown Fill-Misc sand silt With: Gr Trace: Org M Tr Constr Debris
Stratum ID:	218566923			Top Depth(m):	1.4
Bottom Depth(m):	2.1			Stratum Desc:	Dark Brown Stiff Silt With: Org M

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID:	218566924			Top Depth(m):	2.1
Bottom Depth(m):	2.3			Stratum Desc:	Silt - Sand With: Gr
Stratum ID:	218566925			Top Depth(m):	2.3
Bottom Depth(m):	5.2			Stratum Desc:	Black Bedrock Shale
18	1 of 1	ENE/107.5	57.9 / 0.05	Ottawa ON	WWIS
Well ID:	7196179			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	1/28/2013
Sec. Water Use:				Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z153006			Owner:	
Tag:	A141922			Street Name:	143 PUTMAN AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER 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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004245005			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m
Open Hole:				Location Method:	wwr
Elevation:	56.824493			Org CS:	UTM83
Elevrc:				Date Completed:	12/27/2012
Remarks:					
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:	1004780978				
Layer:	1				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:	73				
Other Materials:	HARD				
Formation Top Depth:	0.00				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		2.13			
Formation End Depth UOM:		m			
Formation ID:		1004780979			
Layer:		2			
Color:		8			
General Color:		BLACK			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Other Materials:					
Mat3:		91			
Other Materials:		WATER-BEARING			
Formation Top Depth:		2.13			
Formation End Depth:		6.10			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004780988			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1004780989			
Layer:		2			
Plug From:					
Plug To:		2.47			
Plug Depth UOM:		m			
Plug ID:		1004780990			
Layer:		3			
Plug From:					
Plug To:		6.10			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004780987			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004780977			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004780983			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		3.10			
Casing Diameter:		4.03			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004780984			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.10			
Screen End Depth:		6.10			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Water Details</u>					
Water ID:		1004780982			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004780980			
Diameter:		11.43			
Depth From:		0.00			
Depth To:		3.96			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
Hole ID:		1004780981			
Diameter:		7.62			
Depth From:		3.96			
Depth To:		6.10			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>19</u>	1 of 1	NE/108.4	57.9 / 0.05	141 Beechwood Ave Ottawa ON K1M 1L4	EHS
Order ID:		223032		Date Received:	05-OCT-12
Order No:		20121005039		Lot/Building Size:	
Customer ID:		92028		Municipality:	
Company ID:		77		Client Prov/State:	ON
Status:		C		Search Radius (km):	.25
Report Code:		4CAN		Large Radius:	2
Report Type:		Custom Report		X:	-75.671617
Report Date:		15-OCT-12		Y:	45.442428
Report Requested by:		Pinchin Environmental			
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
<u>20</u>	1 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No:		9692065			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance ID: Instance Type: FS Facility Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 4/14/1999					
20	2 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: 11030396 Instance ID: Instance Type: FS Liquid Fuel Tank Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 4/14/1999					
20	3 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: 11030403 Instance ID: Instance Type: FS Liquid Fuel Tank Description: Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: 4/14/1999					
20	4 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON	EXP
Instance No: 11030412 Instance ID: 63542 Instance Type: FS Liquid Fuel Tank Description: FS Liquid Fuel Tank Status: EXPIRED TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					
20	5 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON	EXP
Instance No: 11030420 Instance ID: 63466 Instance Type: FS Piping Description: FS Piping					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		EXPIRED			
20	6 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030403 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 4/14/1999			
20	7 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030412 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 4/14/1999			
20	8 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L 8A9	EXP
Instance No: Instance ID: Instance Type: Description: Status: TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:		11030396 FS Liquid Fuel Tank FS Gasoline Station - Full Serve EXPIRED FS Liquid Fuel Tank 4/14/1999			
20	9 of 10	ENE/123.7	56.9 / -1.00	BEECHWOOD CANADA SERVICE STATION INC 188 BEECHWOOD AV VANIER ON K1L8A9	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		16158 retail 1996-03-31 58400 0050017001			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	10 of 10	ENE/123.7	56.9 / -1.00	PETRO-CANADA PETROCANADA AT 188 BEACHWOOD AVE SERVICE STATION VANIER CITY ON	SPL
Ref No: 118341 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 9/10/1995 Health/Env Conseq: Incident Dt: 9/10/1995 Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE Incident Event: Incident Reason: ERROR Incident Summary: PETRO-CANADA- 2L OF GAS- OLINE TO GROUND. FLUSHED DOWN CATCH-BASIN.CLEANED.		Sector Type: Source Type: Receiving Medium: LAND / WATER Receiving Env: Environment Impact: POSSIBLE Nature of Impact: Water course or lake SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20102 Site Postal Code:			
21	1 of 2	NNW/125.0	61.9 / 4.00	WAWA DESIGN 105 PUTMAN AVE OTTAWA ON K1M 1Z5	SCT
Established: 1975 Plant Size (ft²): 600 Employment: 3					
--Details--					
Description:		BOOKS: PUBLISHING, OR PUBLISHING AND PRINTING			
SIC/NAICS Code:		2731			
Description:		MISCELLANEOUS PUBLISHING			
SIC/NAICS Code:		2741			
Description:		COMMERCIAL PRINTING, LITHOGRAPHIC			
SIC/NAICS Code:		2752			
Description:		COMMERCIAL PRINTING, NOT ELSEWHERE CLASSIFIED			
SIC/NAICS Code:		2759			
Description:		Book Publishers			
SIC/NAICS Code:		511130			
21	2 of 2	NNW/125.0	61.9 / 4.00	Wawa Design Reg'd. 105 Putman Ave Ottawa ON K1M 1Z5	SCT
Established: 1975 Plant Size (ft²): 600 Employment:					
--Details--					
Description:		Sign Manufacturing			
SIC/NAICS Code:		339950			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		Book Publishers			
SIC/NAICS Code:		511130			
Description:		Graphic Design Services			
SIC/NAICS Code:		541430			
Description:		Computer Systems Design and Related Services			
SIC/NAICS Code:		541510			
22	1 of 1	ENE/129.4	58.0 / 0.08	ON	BORE
Borehole ID:		801128	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status::		
Drill Method::		Rotary (conventional)	UTM Zone::		18
Easting::		447504.08	Northing::		5032312.77
Location Accuracy::			Orig. Ground Elev m::		57
Elev. Reliability Note::			DEM Ground Elev m::		56.9
Total Depth m::		5.8	Primary Name::		BH 8
Township::			Concession::		
Lot::			Municipality:		
Completion Date::		26-APR-1971	Static Water Level::		2.6
Primary Water Use::			Sec. Water Use::		
--Details--					
Stratum ID:		218566907	Top Depth(m):		0.0
Bottom Depth(m):		0.2	Stratum Desc:		Asphalt
Stratum ID:		218566908	Top Depth(m):		0.2
Bottom Depth(m):		0.4	Stratum Desc:		Wood
Stratum ID:		218566909	Top Depth(m):		0.4
Bottom Depth(m):		1.5	Stratum Desc:		Brown Dense Sand - Gravel With: Si Occasional: Blds
Stratum ID:		218566910	Top Depth(m):		1.5
Bottom Depth(m):		3.0	Stratum Desc:		Grey Very Dense Till sand silt With: Gr W Blds Trace: Cl
Stratum ID:		218566911	Top Depth(m):		3.0
Bottom Depth(m):		4.6	Stratum Desc:		Grey Dense Silt - Sand Trace: Gr Layered Silty Fine Sand
Stratum ID:		218566912	Top Depth(m):		4.6
Bottom Depth(m):		4.9	Stratum Desc:		Dark Grey Very Dense Till Silt - Sand
Stratum ID:		218566913	Top Depth(m):		4.9
Bottom Depth(m):		5.8	Stratum Desc:		Black Bedrock Shale
Stratum ID:		218566914	Top Depth(m):		5.8
Bottom Depth(m):		0.8	Stratum Desc:		Dark Brown Fill-Misc Sand - Gravel
23	1 of 1	SW/138.1	56.9 / -0.97	ON	BORE
Borehole ID:		801174	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status::		
Drill Method::		Rotary (conventional)	UTM Zone::		18
Easting::		447283.91	Northing::		5032164.9
Location Accuracy::			Orig. Ground Elev m::		58.9
Elev. Reliability Note::			DEM Ground Elev m::		58.9
Total Depth m::		4	Primary Name::		BH 17

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	01-APR-1971			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
 --Details--					
Stratum ID:	218567094			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218567095			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218567096			Top Depth(m):	0.2
Bottom Depth(m):	0.5			Stratum Desc:	Fill-Misc Sand - Gravel
Stratum ID:	218567097			Top Depth(m):	0.5
Bottom Depth(m):	4.0			Stratum Desc:	Black Bedrock Shale
<hr/>					
<u>24</u>	1 of 1	W/147.6	57.9 / 0.00	39 LANGEVIN AVE, OTTAWA ON	PINC
Incident ID:				Health Impact:	
Incident No:	1112346			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	No
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:	4497946			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:	2013/06/11				
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:	39 LANGEVIN AVE, OTTAWA - 0.5" PIPELINE HIT				
Reported By:	ryan.noble@enbridge.com				
Affiliation:					
Occurrence Desc:					
Damage Reason:	Facility was not located or marked				
Notes:					
<hr/>					
<u>25</u>	1 of 1	SW/150.6	56.9 / -0.97	Ottawa ON	WWIS
Well ID:	7236605			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring			Date Received:	1/29/2015
Sec. Water Use:				Selected Flag:	1
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	7328
Casing Material:				Form Version:	7
Audit No:	Z191592			Owner:	
Tag:	A142513			Street Name:	99 BEECHWOOD AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID:		1005298732	Spatial Status:		
DP2BR:			Cluster Kind:		
Code OB:			UTMRC: 4		
Code OB Desc:			UTMRC Desc: margin of error : 30 m - 100 m		
Open Hole:			Location Method: wwr		
Elevation:		58.622627	Org CS: UTM83		
Elevrc:			Date Completed: 5/13/2013		
Remarks:					
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:		1005528206			
Layer:		1			
Color:					
General Color:					
Mat1:		27			
Most Common Material:		OTHER			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0.00			
Formation End Depth:		0.05			
Formation End Depth UOM:		m			
Formation ID:		1005528207			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:		28			
Other Materials:		SAND			
Mat3:		11			
Other Materials:		GRAVEL			
Formation Top Depth:		0.05			
Formation End Depth:		0.60			
Formation End Depth UOM:		m			
Formation ID:		1005528208			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		34			
Most Common Material:		TILL			
Mat2:					
Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:					
Other Materials:					
Formation Top Depth:		0.60			
Formation End Depth:		2.39			
Formation End Depth UOM:		m			
Formation ID:		1005528209			
Layer:		4			
Color:		8			
General Color:		BLACK			
Mat1:		26			
Most Common Material:		ROCK			
Mat2:		17			
Other Materials:		SHALE			
Mat3:					
Other Materials:					
Formation Top Depth:		2.39			
Formation End Depth:		6.78			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005528216			
Layer:		1			
Plug From:		0.30			
Plug To:		3.66			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1005528215			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005528205			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005528212			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		4.55			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005528213			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.55			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth: 6.78 Screen Material: 5 Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: 5.86					
Water Details					
Water ID: 1005528211 Layer: 1 Kind Code: 8 Kind: Untested Water Found Depth: 4.95 Water Found Depth UOM: m					
Hole Diameter					
Hole ID: 1005528210 Diameter: 20.30 Depth From: 0.00 Depth To: 6.78 Hole Depth UOM: m Hole Diameter UOM: cm					
26	1 of 2	ENE/151.7	56.8 / -1.12	196 Beechwood Ave Ottawa ON K1L8A9	EHS
Order ID: 334480 Order No: 20140812038 Customer ID: 78267 Company ID: 49465 Status: C Report Code: 26CAN Report Type: Standard Report Report Date: 18-AUG-14 Report Requested by: Kollaard Associates Inc. Nearest Intersection: Previous Site Name: Additional Info Ordered:					
Date Received: 12-AUG-14 Lot/Building Size: 0.1 Municipality: Client Prov/State: ON Search Radius (km): .25 Large Radius: 2 X: -75.6709 Y: 45.442306					
26	2 of 2	ENE/151.7	56.8 / -1.12	PRIVATE RESIDENCE 196 BEECHWOOD AVE FURNACE OIL TANK VANIER CITY ON K1L 8A9	SPL
Ref No: 120209 Contaminant Name: Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 10/30/1995 Health/Env Conseq: Incident Dt: 10/30/1995 Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Event: Incident Reason: UNKNOWN Incident Summary: PRIVATE FURNACE TANK- SMALL AMOUNT OIL TO CON- CRETE BSMT.					
Sector Type: Source Type: Receiving Medium: LAND Receiving Env: Environment Impact: NOT ANTICIPATED Nature of Impact: SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20102 Site Postal Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	1 of 4	SW/156.3	56.1 / -1.76	monson cleaners 110 beechwood ottawa ON	GEN
<div> <div> Generator No.: ON5748334 Status: Approval Years: 2009 Contam. Facility: MHSW Facility: SIC Code: 812320 SIC Description: Dry Cleaning and Laundry Services (except Coin-Operated) </div> <div> PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 270 Waste Description: OTHER SPECIFIED ORGANICS					
27	2 of 4	SW/156.3	56.1 / -1.76	monson cleaners 110 beechwood ottawa ON	GEN
<div> <div> Generator No.: ON5748334 Status: Approval Years: 2010 Contam. Facility: MHSW Facility: SIC Code: 812320 SIC Description: Dry Cleaning and Laundry Services (except Coin-Operated) </div> <div> PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS Waste Code: 270 Waste Description: OTHER SPECIFIED ORGANICS					
27	3 of 4	SW/156.3	56.1 / -1.76	monson cleaners 110 beechwood ottawa ON	GEN
<div> <div> Generator No.: ON5748334 Status: Approval Years: 2011 Contam. Facility: MHSW Facility: SIC Code: 812320 SIC Description: Dry Cleaning and Laundry Services (except Coin-Operated) </div> <div> PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 270 Waste Description: OTHER SPECIFIED ORGANICS Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
27	4 of 4	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON K1L8B2	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4973197 2011 812320			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
28	1 of 10	SW/156.3	56.1 / -1.76	110 Beechwood Avenue Vanier ON K1L 8B2	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:	137134 20080507003 29829 86 C 3CAN Complete Report 5/15/2008 SLR Consulting (Canada) Ltd. St-Charles Fire Insur. Maps And /or Site Plans; Title Search; Aerials Photos; City Directory			Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	5/7/2008 QC 0.25 2 -75.673881 45.440746
28	2 of 10	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON K1L8B2	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4973197 2016 No No 812320 DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	Canada CO_OFFICIAL
--Details--					
Waste Code:	241				
Waste Description:	HALOGENATED SOLVENTS				
28	3 of 10	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON K1L8B2	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4973197 2015 No No 812320 DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	Canada CO_OFFICIAL
--Details--					
Waste Code:	241				
Waste Description:	HALOGENATED SOLVENTS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	4 of 10	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON K1L8B2	GEN
<div> <div> Generator No.: ON4973197 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 812320 SIC Description: DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED) </div> <div> PO Box No.: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
28	5 of 10	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON K1L8B2	GEN
<div> <div> Generator No.: ON4973197 Status: Registered Approval Years: As of Dec 2017 Contam. Facility: MHSW Facility: SIC Code: SIC Description: </div> <div> PO Box No.: Country: Canada Choice of Contact: Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 241 L Waste Description: Halogenated solvents and residues Waste Code: 241 H Waste Description: Halogenated solvents and residues					
28	6 of 10	SW/156.3	56.1 / -1.76	MONSON DELUXE CLEANERS 110 BEECHWOOD AVE. VANIER ON K1L 8B2	GEN
<div> <div> Generator No.: ON0488801 Status: Approval Years: 88,89,92,93,97,98,02,03,04,05,06,07,08 Contam. Facility: MHSW Facility: SIC Code: 9721 SIC Description: POWER LAUND./CLEANER </div> <div> PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin: </div> </div>					
--Details-- Waste Code: 241 Waste Description: HALOGENATED SOLVENTS					
28	7 of 10	SW/156.3	56.1 / -1.76	MONSON DELUXE CLEANERS 110 BEECHWOOD AVE. VANIER ON K1L 8B2	25-489 GEN
<div> <div> Generator No.: ON0488801 Status: Approval Years: 94,95,96 </div> <div> PO Box No.: Country: Choice of Contact: </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	9721	POWER LAUND./CLEANER		Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	241	HALOGENATED SOLVENTS			
28	8 of 10	SW/156.3	56.1 / -1.76	MONSON DELUXE CLEANERS 110 BEECHWOOD AVENUE VANIER ON K1L 8B2	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0488801 99,00,01 9721	POWER LAUND./CLEANERS		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	241	HALOGENATED SOLVENTS			
28	9 of 10	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON K1L8B2	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4973197 2012 812320	Dry Cleaning and Laundry Services (except Coin-Operated)		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
28	10 of 10	SW/156.3	56.1 / -1.76	Monson Deluxe Cleaners 110 beechwood ave ottawa ON	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON4973197 2013 812320	DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)		PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	241	HALOGENATED SOLVENTS			
29	1 of 1	ENE/157.4	57.3 / -0.56	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole ID:	801124			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Rotary (conventional)			UTM Zone:: 18	
Easting::	447523.65			Northing:: 5032335.4	
Location Accuracy::				Orig. Ground Elev m:: 57.2	
Elev. Reliability Note::				DEM Ground Elev m:: 57.1	
Total Depth m::	5.8			Primary Name:: BH 7	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	26-APR-1971			Static Water Level:: -999.9	
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218566888			Top Depth(m): 0.0	
Bottom Depth(m):	0.1			Stratum Desc: Asphalt	
Stratum ID:	218566889			Top Depth(m): 0.1	
Bottom Depth(m):	0.3			Stratum Desc: Concrete	
Stratum ID:	218566890			Top Depth(m): 0.3	
Bottom Depth(m):	0.8			Stratum Desc: Dark Brown to Grey Compact Fill-Misc sand silt With: Gr	
Stratum ID:	218566891			Top Depth(m): 0.8	
Bottom Depth(m):	2.6			Stratum Desc: Brown Dense to Very Dense Sand - Gravel With: Si W Blds	
Stratum ID:	218566892			Top Depth(m): 2.6	
Bottom Depth(m):	5.8			Stratum Desc: Grey Dense to Very Dense Till sand silt With: Gr W Blds Trace: Cl	
30	1 of 1	SSW/163.7	55.9 / -2.00	BRADLEY KELLY CONSTRUCTION 111 BARRETTE STREET OTTAWA ON	GEN
Generator No.:	ON1058265			PO Box No.:	
Status:				Country:	
Approval Years:	03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:					
SIC Description:					
--Details--					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
31	1 of 1	SW/163.8	56.2 / -1.69	Ottawa ON	WWIS
Well ID:	7180679			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received: 5/10/2012	
Sec. Water Use:	0			Selected Flag: 1	
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor: 7241	
Casing Material:				Form Version: 7	
Audit No:	Z147150			Owner:	
Tag:	A126596			Street Name: 94 BEECHWOOD AVE	
Construction Method:				County: OTTAWA-CARLETON	
Elevation (m):				Municipality: GLOUCESTER TOWNSHIP	

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		28			
Other Materials:		SAND			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		1.50			
Formation End Depth:		6.10			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004303749			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1004303750			
Layer:		2			
Plug From:		0.31			
Plug To:		2.74			
Plug Depth UOM:		m			
Plug ID:		1004303751			
Layer:		3			
Plug From:		2.74			
Plug To:		6.10			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004303748			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004303738			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004303744			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		3.10			
Casing Diameter:		3.45			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004303745			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen End Depth:		6.10			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21			
<u>Water Details</u>					
Water ID:		1004303743			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004303742			
Diameter:		5.71			
Depth From:		0.00			
Depth To:		6.10			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

32	1 of 1	SW/164.8	56.9 / -0.97	ON	BORE
Borehole ID:	801176			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Rotary (conventional)			UTM Zone::	18
Easting::	447262.49			Northing::	5032148.8
Location Accuracy::				Orig. Ground Elev m::	58.4
Elev. Reliability Note::				DEM Ground Elev m::	58.5
Total Depth m::	4			Primary Name::	BH 18
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	01-APR-1971			Static Water Level::	2.5
Primary Water Use::				Sec. Water Use::	
<u>--Details--</u>					
Stratum ID:	218567101			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218567102			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218567103			Top Depth(m):	0.2
Bottom Depth(m):	2.4			Stratum Desc:	Brown Loose Fill-Misc Silt - Sand With: Gr
Stratum ID:	218567104			Top Depth(m):	2.4
Bottom Depth(m):	3.4			Stratum Desc:	Grey-Brown Very Dense Sand With: Si
Stratum ID:	218567105			Top Depth(m):	3.4
Bottom Depth(m):	4.0			Stratum Desc:	Grey Very Dense Silt - Sand With: Gr

33	1 of 1	SW/165.4	56.1 / -1.76	Ottawa ON	WWIS
Well ID:	7180680			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	5/10/2012

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	0 Test Hole Z147148 A126597			Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 7241 7 94 BEECHWOOD AVE OTTAWA-CARLETON GLOUCESTER TOWNSHIP
<u>Bore Hole Information</u>					
Bore Hole ID: DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	1003760481 58.628124			Spatial Status: Cluster Kind: UTMRC: UTMRC Desc: Location Method: Org CS: Date Completed:	4 margin of error : 30 m - 100 m wwr UTM83 3/5/2012
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	1004303753 1 8 BLACK Most Common Material: 11 GRAVEL 60 CEMENTED 0.00 0.31 m				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth:	1004303754 2 6 BROWN 06 SILT 28 SAND 72 GRAVELLY 0.31 1.50				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Formation End Depth UOM:		m			
Formation ID:		1004303755			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Other Materials:		SAND			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		1.50			
Formation End Depth:		5.69			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004303763			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1004303764			
Layer:		2			
Plug From:		0.31			
Plug To:		2.28			
Plug Depth UOM:		m			
Plug ID:		1004303765			
Layer:		3			
Plug From:		2.28			
Plug To:		5.64			
Plug Depth UOM:		m			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1004303762			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1004303752			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1004303758			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		2.59			
Casing Diameter:		3.45			
Casing Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004303759			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.59			
Screen End Depth:		5.64			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21			
<u>Water Details</u>					
Water ID:		1004303757			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004303756			
Diameter:		5.71			
Depth From:		0.00			
Depth To:		5.64			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
34	1 of 1	SW/169.5	56.1 / -1.76	Ottawa ON	WWIS
Well ID:	7180661			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	5/10/2012
Sec. Water Use:	0			Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z147131			Owner:	
Tag:	A126564			Street Name:	94 BEECH WOOD AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	GLOUCESTER 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:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1003759856			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Open Hole:				Location Method:	WWF
Elevation:	58.585723			Org CS:	UTM83
Elevrc:				Date Completed:	3/16/2012
Remarks:					
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:		1004303492			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		77			
Other Materials:		LOOSE			
Mat3:		60			
Other Materials:		CEMENTED			
Formation Top Depth:		0.00			
Formation End Depth:		0.31			
Formation End Depth UOM:		m			
Formation ID:		1004303493			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		12			
Other Materials:		STONES			
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		0.31			
Formation End Depth:		3.66			
Formation End Depth UOM:		m			
Formation ID:		1004303494			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:					
Other Materials:					
Mat3:		85			
Other Materials:		SOFT			
Formation Top Depth:		3.66			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
Formation ID:		1004303495			
Layer:		4			
Color:		8			
General Color:		BLACK			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		85			
Other Materials:		SOFT			
Mat3:		71			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:		FRACTURED			
Formation Top Depth:		4.57			
Formation End Depth:		8.53			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004303503			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1004303504			
Layer:		2			
Plug From:		0.31			
Plug To:		5.18			
Plug Depth UOM:		m			
Plug ID:		1004303505			
Layer:		3			
Plug From:		5.18			
Plug To:		8.53			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004303502			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004303491			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004303498			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		5.49			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004303499			
Layer:		1			
Slot:		10			
Screen Top Depth:		5.49			
Screen End Depth:		8.53			
Screen Material:		5			
Screen Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Water Details</u>					
Water ID:		1004303497			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004303496			
Diameter:		11.43			
Depth From:		0.00			
Depth To:		8.53			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
35	1 of 1	SE/176.9	57.0 / -0.92	PRIVATE RESIDENCE 146 LAVAL ST. FURNACE OIL TANK VANIER CITY ON K1L 7Z4	SPL
Ref No:		110603		Sector Type:	
Contaminant Name:				Source Type:	
Contaminant Code:				Receiving Medium:	LAND
Contaminant Limit 1:				Receiving Env:	
Contam Limit Freq 1:				Environment Impact:	POSSIBLE
Contaminant UN No 1:				Nature of Impact:	Soil contamination
Contaminant Qty:				SAC Action Class:	
Material Group:				Year:	
MOE Reported Dt:		3/6/1995		Site Address:	
Health/Env Conseq:				Site Conc:	
Incident Dt:		3/5/1995		Site Lot:	
Incident Cause:		ABOVE-GROUND TANK LEAK		Site County/District:	
Incident Event:				Site Municipality:	20102
Incident Reason:		UNKNOWN		Site Postal Code:	
Incident Summary:		PRIVATE RESIDENCE- 10L FURNACE OIL TO PAVEMENT OUTDOOR TANK LEAK.			
36	1 of 1	SW/177.4	56.2 / -1.69	94 Beechwood Avenue Ottawa ON	EHS
Order ID:		201571		Date Received:	1/30/2012 4:42:39 PM
Order No:		20120130038		Lot/Building Size:	
Customer ID:		70787		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:	-75.674265
Report Date:		2/6/2012 4:44:14 PM		Y:	45.440671
Report Requested by:		Pinchin Environmental			
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
37	1 of 1	WNW/179.7	57.8 / -0.03	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Borehole ID:	808863			Type: Borehole	
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Boring			UTM Zone::	18
Easting::	447212.46			Northing::	5032294.21
Location Accuracy::				Orig. Ground Elev m::	56.1
Elev. Reliability Note::				DEM Ground Elev m::	56.6
Total Depth m::	4			Primary Name::	BH 252
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	30-APR-1965			Static Water Level::	1.2
Primary Water Use::				Sec. Water Use::	
<hr/>					
--Details--					
Stratum ID:	218597988			Top Depth(m):	0.0
Bottom Depth(m):	0.9			Stratum Desc:	Asphalt With: Cl W Si W Sa
Stratum ID:	218597989			Top Depth(m):	0.9
Bottom Depth(m):	2.0			Stratum Desc:	Grey-Brown Very Dense Till sand silt With: Gr
Stratum ID:	218597990			Top Depth(m):	2.0
Bottom Depth(m):	4.0			Stratum Desc:	Dark Grey Shale
<hr/>					
38	1 of 1	SSE/180.9	56.9 / -1.00	OTTAWA HYDRO 128 LAVAL STREET TRANSFORMER OTTAWA CITY ON K1L 7Z4	SPL
Ref No:	130146			Sector Type:	
Contaminant Name:				Source Type:	
Contaminant Code:				Receiving Medium:	LAND
Contaminant Limit 1:				Receiving Env:	
Contam Limit Freq 1:				Environment Impact:	NOT ANTICIPATED
Contaminant UN No 1:				Nature of Impact:	
Contaminant Qty:				SAC Action Class:	
Material Group:				Year:	
MOE Reported Dt:	8/6/1996			Site Address:	
Health/Env Conseq:				Site Conc:	
Incident Dt:	8/6/1996			Site Lot:	
Incident Cause:	COOLING SYSTEM LEAK			Site County/District:	
Incident Event:				Site Municipality:	20101
Incident Reason:	EQUIPMENT FAILURE			Site Postal Code:	
Incident Summary:	OTTAWA HYDRO-0.5 L NON- PCB TRANSFORMER OIL TO GRND,CLEANED- UP.				
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39	1 of 2	SW/188.6	56.2 / -1.69	BEECHWOOD CYCLE 92 BEECHWOOD AVE. VANIER ON K1L 8B2	05-806 GEN
Generator No.:	ON1133201			PO Box No.:	
Status:				Country:	
Approval Years:	92,93,94,95,96,97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	6542				
SIC Description:	BICYCLE SHOPS				
<hr/>					
--Details--					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
39	2 of 2	SW/188.6	56.2 / -1.69	BEECHWOOD CYCLE 92 BEECHWOOD AVENUE VANIER ON K1L 8B2	GEN
Generator No.:	ON1133201			PO Box No.:	
Status:				Country:	
Approval Years:	99,00,01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	6542				
SIC Description:	BICYCLE SHOPS				
--Details--					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
40	1 of 4	E/188.8	55.9 / -2.00	29 Marier Avenue Vanier ON K1L 5S6	EHS
Order ID:	220000			Date Received:	31-AUG-12
Order No:	20120831008			Lot/Building Size:	
Customer ID:	90848			Municipality:	
Company ID:	77			Client Prov/State:	ON
Status:	C			Search Radius (km):	.25
Report Code:	4CAN			Large Radius:	2
Report Type:	Custom Report			X:	-75.670194
Report Date:	07-SEP-12			Y:	45.441585
Report Requested by:	Pinchin Environmental				
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
40	2 of 4	E/188.8	55.9 / -2.00	Regimbal Trophy & Engraving 29 Marier Ave Vanier ON K1L 5S6	SCT
Established:	1926				
Plant Size (ft²):	800				
Employment:	4				
--Details--					
Description:	Other Printing				
SIC/NAICS Code:	323119				
Description:	Coating, Engraving, Heat Treating and Allied Activities				
SIC/NAICS Code:	332810				
Description:	All Other Miscellaneous Fabricated Metal Product Manufacturing				
SIC/NAICS Code:	332999				
Description:	Jewellery and Silverware Manufacturing				
SIC/NAICS Code:	339910				
Description:	All Other Miscellaneous Manufacturing				
SIC/NAICS Code:	339990				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
40	3 of 4	E/188.8	55.9 / -2.00	Regimbal Trophy & Engraving Ltd. 29 Marier Ave Vanier ON K1L 5S6	SCT
Established:		1926			
Plant Size (ft²):					
Employment:		3			
40	4 of 4	E/188.8	55.9 / -2.00	Regimbal Promotions Ltd. 29 Marier Ave Vanier ON K1L 5S6	SCT
Established:		01-JUL-26			
Plant Size (ft²):		800			
Employment:					
--Details--					
Description:		Coating, Engraving, Heat Treating and Allied Activities			
SIC/NAICS Code:		332810			
Description:		Other Printing			
SIC/NAICS Code:		323119			
Description:		Jewellery and Silverware Manufacturing			
SIC/NAICS Code:		339910			
Description:		All Other Miscellaneous Manufacturing			
SIC/NAICS Code:		339990			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
SIC/NAICS Code:		332999			
41	1 of 1	NE/191.7	57.2 / -0.69	ON	BORE
Borehole ID:		801122	Type:		Borehole
Use:		Geotechnical/Geological Investigation	Status::		
Drill Method::		Rotary (conventional)	UTM Zone::		18
Easting::		447539.88	Northing::		5032372.59
Location Accuracy::			Orig. Ground Elev m::		57.2
Elev. Reliability Note::			DEM Ground Elev m::		56.9
Total Depth m::		6.2	Primary Name::		BH 6
Township::			Concession::		
Lot::			Municipality:		
Completion Date::		28-APR-1971	Static Water Level::		-999.9
Primary Water Use::			Sec. Water Use::		
--Details--					
Stratum ID:		218566879	Top Depth(m):		0.0
Bottom Depth(m):		0.1	Stratum Desc:		Asphalt
Stratum ID:		218566880	Top Depth(m):		0.1
Bottom Depth(m):		1.1	Stratum Desc:		Brown Compact Fill-Misc Silt - Sand Trace: Gr
Stratum ID:		218566881	Top Depth(m):		1.1
Bottom Depth(m):		3.4	Stratum Desc:		Brown Very Dense Sand - Gravel With: Si W Blds
Stratum ID:		218566882	Top Depth(m):		3.4
Bottom Depth(m):		5.8	Stratum Desc:		Dark Grey Very Dense Till Silt - Sand With: Gr W Blds

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<div> <div>Stratum ID: 218566883</div> <div>Bottom Depth(m): 6.2</div> </div> <div> <div>Top Depth(m): 5.8</div> <div>Stratum Desc: Black Bedrock Shale</div> </div>					
42	1 of 1	SW/192.2	56.2 / -1.69	ON	BORE
<div> <div>Borehole ID: 808859</div> <div>Use: Geotechnical/Geological Investigation</div> <div>Drill Method:: Boring</div> <div>Easting:: 447238.61</div> <div>Location Accuracy::</div> <div>Elev. Reliability Note::</div> <div>Total Depth m:: 4.2</div> <div>Township::</div> <div>Lot::</div> <div>Completion Date:: 30-APR-1965</div> <div>Primary Water Use::</div> </div> <div> <div>Type: Borehole</div> <div>Status::</div> <div>UTM Zone:: 18</div> <div>Northing:: 5032134.74</div> <div>Orig. Ground Elev m:: 58.3</div> <div>DEM Ground Elev m:: 58.2</div> <div>Primary Name:: BH 251</div> <div>Concession::</div> <div>Municipality:</div> <div>Static Water Level:: .6</div> <div>Sec. Water Use::</div> </div>					
--Details--					
<div> <div>Stratum ID: 218597972</div> <div>Bottom Depth(m): 0.1</div> </div> <div> <div>Top Depth(m): 0.0</div> <div>Stratum Desc: Asphalt</div> </div>					
<div> <div>Stratum ID: 218597973</div> <div>Bottom Depth(m): 4.2</div> </div> <div> <div>Top Depth(m): 0.1</div> <div>Stratum Desc: Grey-Brown Compact to Very Dense Silt - Sand With: Gr</div> </div>					
43	1 of 1	NE/192.3	57.8 / -0.05	455 Green Ave Ottawa ON	EHS
<div> <div>Order ID: 283437</div> <div>Order No: 20131125004</div> <div>Customer ID: 100788</div> <div>Company ID: 77</div> <div>Status: C</div> <div>Report Code: 4CAN</div> <div>Report Type: Custom Report</div> <div>Report Date: 29-NOV-13</div> <div>Report Requested by: Pinchin Ltd</div> <div>Nearest Intersection:</div> <div>Previous Site Name:</div> <div>Additional Info Ordered:</div> </div> <div> <div>Date Received: 25-NOV-13</div> <div>Lot/Building Size:</div> <div>Municipality:</div> <div>Client Prov/State: ON</div> <div>Search Radius (km): .25</div> <div>Large Radius: 2</div> <div>X: -75.670951</div> <div>Y: 45.443041</div> </div>					
44	1 of 1	SW/200.6	56.2 / -1.69	71 BEECHWOOD AVENUE, OTTAWA ON	INC
<div> <div>Incident No: 1581428</div> <div>Incident ID:</div> <div>Attribute Category: FS-Perform L1 Incident Insp</div> <div>Status Code:</div> <div>Incident Location: 71 BEECHWOOD AVENUE, OTTAWA - CO RELEASE</div> <div>Drainage System:</div> <div>Sub Surface Contam.:</div> <div>Aff. Prop. Use Water:</div> <div>Contam. Migrated:</div> <div>Contact Natural Env.:</div> <div>Near Body of Water:</div> <div>Approx. Quant. Rel.:</div> <div>Equipment Model:</div> <div>Serial No:</div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: CO Release Fuel Type Involved: Natural Gas Date of Occurrence: 2015/02/24 00:00:00 Time of Occurrence: NULL Occur Insp Start Date: 2015/02/24 00:00:00 Any Health Impact: No Any Environmental Impact: No Was Service Interrupted: Yes Was Property Damaged: Yes Operation Type Involved: Commercial (e.g. restaurant, business unit, etc) Enforcement Policy: NULL Prc Escalation Required: NULL Task No: 5376421 Notes: Occurrence Narrative: furnace experiencing CO production and delayed ignition Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
45	1 of 1	ENE/203.0	56.9 / -1.00	ON	BORE
Borehole ID:	613782			Type:	Borehole
Use:				Status::	
Drill Method::				UTM Zone::	18
Easting::	447561			Northing::	5032362
Location Accuracy::				Orig. Ground Elev m::	57.2
Elev. Reliability Note::				DEM Ground Elev m::	57.1
Total Depth m::	6.2			Primary Name::	
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	APR-1971			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218396586			Top Depth(m):	0.0
Bottom Depth(m):	1.1			Stratum Desc:	ARTIFICIAL. BROWN,COMPACT.
Stratum ID:	218396587			Top Depth(m):	1.1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth(m):	3.4			Stratum Desc:	SAND. BROWN,VERY DENSE.
Stratum ID:	218396588			Top Depth(m):	3.4
Bottom Depth(m):	5.8			Stratum Desc:	SAND. DARK,GREY,VERY DENSE.
Stratum ID:	218396589			Top Depth(m):	5.8
Bottom Depth(m):	6.2			Stratum Desc:	BEDROCK. BLACK,WEATHERED. 00000020000350160011310000190100ROCK. 00000 012 00020 007 0
46	1 of 1	SW/203.0	56.2 / -1.69	ON	BORE
Borehole ID:	801180			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Rotary (conventional)			UTM Zone::	18
Easting::	447235.76			Northing::	5032121.3
Location Accuracy::				Orig. Ground Elev m::	58.1
Elev. Reliability Note::				DEM Ground Elev m::	58
Total Depth m::	3.7			Primary Name::	BH 19
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	05-APR-1971			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218567110			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218567111			Top Depth(m):	0.1
Bottom Depth(m):	0.2			Stratum Desc:	Concrete
Stratum ID:	218567112			Top Depth(m):	0.2
Bottom Depth(m):	0.5			Stratum Desc:	Fill-Misc Silt - Sand
Stratum ID:	218567113			Top Depth(m):	0.5
Bottom Depth(m):	0.9			Stratum Desc:	Compact sand silt With: Gr
Stratum ID:	218567114			Top Depth(m):	0.9
Bottom Depth(m):	3.2			Stratum Desc:	Black Bedrock Shale
Stratum ID:	218567115			Top Depth(m):	3.2
Bottom Depth(m):	3.7			Stratum Desc:	Black Bedrock Shale Fairly Sound
47	1 of 1	SW/210.1	55.9 / -2.00	Ottawa ON	WWIS
Well ID:	7180667			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring and Test Hole			Date Received:	5/10/2012
Sec. Water Use:	0			Selected Flag:	1
Final Well Status:	Test Hole			Abandonment Rec:	
Water Type:				Contractor:	7241
Casing Material:				Form Version:	7
Audit No:	Z147149			Owner:	
Tag:	A126598			Street Name:	94 BEECHWOOD AVE
Construction Method:				County:	OTTAWA-CARLETON
Elevation (m):				Municipality:	VANIER CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID:	1003759916			Spatial Status:	
DP2BR:				Cluster Kind:	
Code OB:				UTMRC:	4
Code OB Desc:				UTMRC Desc:	margin of error : 30 m - 100 m
Open Hole:				Location Method:	wwr
Elevation:	57.908737			Org CS:	UTM83
Elevrc:				Date Completed:	3/5/2012
Remarks:					
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:	1004303578				
Layer:	1				
Color:	8				
General Color:	BLACK				
Mat1:					
Most Common Material:					
Mat2:	11				
Other Materials:	GRAVEL				
Mat3:	60				
Other Materials:	CEMENTED				
Formation Top Depth:	0.00				
Formation End Depth:	0.31				
Formation End Depth UOM:	m				
Formation ID:	1004303579				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	28				
Other Materials:	SAND				
Mat3:	72				
Other Materials:	GRAVELLY				
Formation Top Depth:	0.31				
Formation End Depth:	1.50				
Formation End Depth UOM:	m				
Formation ID:	1004303580				
Layer:	3				
Color:	6				
General Color:	BROWN				
Mat1:	06				
Most Common Material:	SILT				
Mat2:	28				
Other Materials:	SAND				
Mat3:	73				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Other Materials:		HARD			
Formation Top Depth:		1.50			
Formation End Depth:		6.10			
Formation End Depth UOM:		m			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004303588			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1004303589			
Layer:		2			
Plug From:		0.31			
Plug To:		4.72			
Plug Depth UOM:		m			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		1004303587			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		1004303577			
Casing No:		0			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		1004303583			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		3.10			
Casing Diameter:		3.45			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
 <u>Construction Record - Screen</u>					
Screen ID:		1004303584			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.10			
Screen End Depth:		6.10			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.21			
 <u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		1004303582			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:	m				
Hole Diameter					
Hole ID:		1004303581			
Diameter:		5.71			
Depth From:		0.00			
Depth To:		6.10			
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
48	1 of 1	SW/215.7	56.2 / -1.69	Hydro Ottawa Limited/ Hydro Ottawa Limitee 67 Beechwood Ave Ottawa ON	SPL
Ref No:	4443-9P3AA7			Sector Type:	Transformer
Contaminant Name:	TRANSFORMER OIL (N.O.S.)			Source Type:	
Contaminant Code:	15			Receiving Medium:	
Contaminant Limit 1:				Receiving Env:	
Contam Limit Freq 1:				Environment Impact:	Not Anticipated
Contaminant UN No 1:				Nature of Impact:	Soil Contamination; Surface Water Pollution
Contaminant Qty:	100 L			SAC Action Class:	Primary Assessment of Incident
Material Group:				Year:	
MOE Reported Dt:	2014/09/18			Site Address:	67 Beechwood Ave
Health/Env Conseq:				Site Conc:	
Incident Dt:	2014/09/18			Site Lot:	
Incident Cause:	Collision/Accident			Site County/District:	
Incident Event:				Site Municipality:	Ottawa
Incident Reason:	Operator/Human Error			Site Postal Code:	
Incident Summary:	Hydro Ottawa: >100L Trans oil to road / CB				
49	1 of 1	NE/216.1	57.4 / -0.48	ON	BORE
Borehole ID:	801116			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status::	
Drill Method::	Rotary (conventional)			UTM Zone::	18
Easting::	447549.8			Northing::	5032398.9
Location Accuracy::				Orig. Ground Elev m::	57.2
Elev. Reliability Note::				DEM Ground Elev m::	57.5
Total Depth m::	6			Primary Name::	BH 5
Township::				Concession::	
Lot::				Municipality:	
Completion Date::	28-APR-1971			Static Water Level::	-999.9
Primary Water Use::				Sec. Water Use::	
--Details--					
Stratum ID:	218566856			Top Depth(m):	0.0
Bottom Depth(m):	0.1			Stratum Desc:	Asphalt
Stratum ID:	218566857			Top Depth(m):	0.1
Bottom Depth(m):	1.2			Stratum Desc:	Brown Compact Fill-Misc Silt - Sand With: Gr Occasional: Blds
Stratum ID:	218566858			Top Depth(m):	1.2
Bottom Depth(m):	1.8			Stratum Desc:	Dark Brown Firm Silt With: Org M

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum ID: Bottom Depth(m):	218566859 3.0			Top Depth(m): Stratum Desc:	1.8 Grey-Brown to Brown Compact to Very Dense Silt - Sand With: Gr
Stratum ID: Bottom Depth(m):	218566860 5.5			Top Depth(m): Stratum Desc:	3.0 Grey Very Dense Till sand silt With: Gr W Blds
Stratum ID: Bottom Depth(m):	218566861 6.0			Top Depth(m): Stratum Desc:	5.5 Black Bedrock Shale
50	1 of 1	ESE/216.4	55.9 / -2.00	32 Marier Avenue 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:	167516 20090831004 74887 77 C 4CAN Custom Report 9/4/2009 Pinchin Environmental			Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	8/31/2009 ON 0.25 2 -75.66995 45.441142
51	1 of 4	ENE/216.7	56.9 / -1.00	City of Ottawa 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON6952071 2015 No No 913910 913910			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	 Canada CO_OFFICIAL
--Details-- Waste Code: Waste Description:	 251 OIL SKIMMINGS & SLUDGES				
51	2 of 4	ENE/216.7	56.9 / -1.00	City of Ottawa 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON6952071 2016 No No 913910 913910			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	 Canada CO_OFFICIAL
--Details-- Waste Code: Waste Description:	 251 OIL SKIMMINGS & SLUDGES				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
51	3 of 4	ENE/216.7	56.9 / -1.00	City of Ottawa 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No.: ON6952071 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_OFFICIAL Co Admin: Phone No. Admin:			
--Details--					
Waste Code: 251					
Waste Description: OIL SKIMMINGS & SLUDGES					
51	4 of 4	ENE/216.7	56.9 / -1.00	City of Ottawa Parks, Bldg & Grounds Ops & Mtce Branch 220 Beechwood Avenue Ottawa ON K1L 8A8	GEN
Generator No.: ON6952071 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)					
52	1 of 4	NNE/217.9	60.5 / 2.64	Uniform Urban Developments Ltd. 25 Carsdale Avenue Ottawa ON	CA
Certificate #: 7397-6RZNW7 Application Year: 2006 Issue Date: 8/2/2006 Approval Type: Municipal and Private Sewage Works Status: Approved Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::					
52	2 of 4	NNE/217.9	60.5 / 2.64	Uniform Urban Developments Ltd. 25 Carsdale Avenue Ottawa ON K2G 5X3	ECA
Approval No: 7397-6RZNW7 Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		MOE District: Ottawa SWP Area Name: Rideau Valley			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Approval Date: Record Type: Project Type: Link Source: Full Address: Full PDF Link:	Approved 2006-08-02 ECA MUNICIPAL AND PRIVATE SEWAGE WORKS IDS https://www.accessenvironment.ene.gov.on.ca/instruments/2708-6RLLFL-14.pdf			Address: City: Longitude: Latitude:	25 Carsdale Avenue Ottawa -75.6719 45.4425
52	3 of 4	NNE/217.9	60.5 / 2.64	ROCKCLIFF PARK, VILLAGE OF 25 CARSDALE AVE. ROCKCLIFFE ON K1M 1J7	33-857 GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON1530600 92,93,94,95,96,97,98 8359 OTHER GEN. ADMIN.			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	
--Details-- Waste Code: Waste Description:	 252 WASTE OILS & LUBRICANTS				
52	4 of 4	NNE/217.9	60.5 / 2.64	Uniform Urban Developments Ltd. 25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Rockcliffe ON K1M 1J7	RSC
Reg No: RA No: RSC Type: Curr Property Use: District Office: Date Submitted: Date Ack: Date Returned: Restoration Type: Soil Type: Criteria: Asmt Roll No: Prop. ID No: CPU Issued Sect 1686: Property Municipal Address: Mailing Address: Latitude & Longitude: UTM Coordinates: Consultant: Filing Owner: Legal Desc:	3595 Industrial OTTAWA 17-Aug-06 04226 - 0215 LT No 25 CARSDALE AVE, ROCKCLIFFE, ON, K1M 1J7 Suite 300, 117 CENTREPOINTE DR, NEPEAN, ON, K2G 5X3 45.44361110N 75.67111110W NAD83 18-447516-5032451 (converted from Latitude & Longitude) Firstly: Lots 29, 30 and 31, Part of Rear Passage east and Lot 29, as closed by Judge's Order registered as LT113018, and Part of Carsdale Avenue closed by By-law Registered as LT37839, Plan 4M-30, Designated as Part 1 on 4R-21126, City of Ottawa. Secondly: Part of Carsdale Avenue closed by By-Law registered as LT37839, plan 4M-30, Designated as Part 2 on 4R-21126, City of Ottawa. Thirdly: Lots 16, 17, Part of Lot 18 and Part of Carsdale Avenue closed by By-Law registered as LT37839, Plan 4M-30, Designated as Part 3 on 4R-21126, City of Ottawa.			Cert Date: Cert Prop Use No: Intended Prop Use: Nm of Qual. Person: Stratified (Y/N): Audit (Y/N): Entire Leg Prop. (Y/N): Accuracy Estimate: Telephone: Fax: Email:	3-Aug-06 No CPU Residential Mr. George Georgaras Yes 21 to 100 meters 613-2250770x244 613-7231675 ggeorgaras@uniformdevelopments.com
Measurement Method: Applicable Standards: RSC PDF:	 Digitized from a satellite image Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
53	1 of 4	NW/220.1	64.9 / 7.02	200 Rideau Terrace Ottawa ON K1M 0Z3	EHS
Order ID: 174506 Order No: 20100517017 Customer ID: 74887 Company ID: 77 Status: C Report Code: 4CAN Report Type: Custom Report Report Date: 5/21/2010 Report Requested by: Pinchin Environmental Nearest Intersection: Previous Site Name: Additional Info Ordered:		Date Received: 5/17/2010 Lot/Building Size: Municipality: Client Prov/State: ON Search Radius (km): 0.25 Large Radius: 2 X: -75.674671 Y: 45.443458			
53	2 of 4	NW/220.1	64.9 / 7.02	HOMESTEAD LAND HOLDINGS LIMITED 200 RIDEAU TERRACE OTTAWA ON K1M 0Z3	GEN
Generator No.: ON8552487 Status: Approval Years: 2009 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: 113					
Waste Description: ACID WASTE - OTHER METALS					
Waste Code: 122					
Waste Description: ALKALINE WASTES - OTHER METALS					
Waste Code: 212					
Waste Description: ALIPHATIC SOLVENTS					
Waste Code: 252					
Waste Description: WASTE OILS & LUBRICANTS					
Waste Code: 263					
Waste Description: ORGANIC LABORATORY CHEMICALS					
53	3 of 4	NW/220.1	64.9 / 7.02	HOMESTEAD LAND HOLDINGS LIMITED 200 RIDEAU TERRACE OTTAWA ON K1M 0Z3	GEN
Generator No.: ON8552487 Status: Approval Years: 2010 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: 252					
Waste Description: WASTE OILS & LUBRICANTS					
Waste Code: 122					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Description:		ALKALINE WASTES - OTHER METALS			
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
53	4 of 4	NW/220.1	64.9 / 7.02	Homestead Land Holdings Limited 200 Rideau Terrace Ottawa ON	GEN
Generator No.:		ON3181913		PO Box No.:	
Status:				Country:	
Approval Years:		2012		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:		236110			
SIC Description:		Residential Building Construction			
54	1 of 1	NE/231.0	56.9 / -1.00	Enbridge Gas Distribution Inc. Beachwood and Marquette Ottawa ON	SPL
Ref No:		8816-9NCLZY		Sector Type:	
Contaminant Name:		NATURAL GAS (METHANE)		Source Type:	
Contaminant Code:		35		Receiving Medium:	
Contaminant Limit 1:				Receiving Env:	
Contam Limit Freq 1:				Environment Impact:	
Contaminant UN No 1:				Nature of Impact:	
Contaminant Qty:		0 other - see incident description		SAC Action Class:	
Material Group:				Year:	
MOE Reported Dt:		2014/08/26		Site Address:	
Health/Env Conseq:				Site Conc:	
Incident Dt:		2014/08/26		Site Lot:	
Incident Cause:		Unknown / N/A		Site County/District:	
Incident Event:				Site Municipality:	
Incident Reason:		Unknown / N/A		Site Postal Code:	
Incident Summary:		TSSA FSB: 1 1/4" main damaged, road closures			
55	1 of 1	N/236.8	69.7 / 11.79	65 Acacia Ave Ottawa ON K1M0P5	EHS
Order ID:		538637		Date Received:	
Order No:		20170929063		Lot/Building Size:	
Customer ID:		98527		Municipality:	
Company ID:		49465		Client Prov/State:	
Status:		C		Search Radius (km):	
Report Code:		3CAN		Large Radius:	
Report Type:		Standard Report		X:	
Report Date:		06-OCT-17		Y:	
Report Requested by:		Kollaard Associates Inc.			
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
56	1 of 1	SW/236.9	55.9 / -2.00	ON	BORE
Borehole ID: 801185		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Rotary (conventional)		UTM Zone:: 18			
Easting:: 447211.3		Northing:: 5032097.76			
Location Accuracy::		Orig. Ground Elev m:: 57.7			
Elev. Reliability Note::		DEM Ground Elev m:: 57.3			
Total Depth m:: 3.7		Primary Name:: BH 20			
Township::		Concession::			
Lot::		Municipality:			
Completion Date:: 05-APR-1971		Static Water Level:: -999.9			
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID: 218567131		Top Depth(m): 0.0			
Bottom Depth(m): 0.1		Stratum Desc: Asphalt			
Stratum ID: 218567132		Top Depth(m): 0.1			
Bottom Depth(m): 0.2		Stratum Desc: Concrete			
Stratum ID: 218567133		Top Depth(m): 0.2			
Bottom Depth(m): 0.8		Stratum Desc: Dark Brown Fill-Misc sand silt With: Gr			
Stratum ID: 218567134		Top Depth(m): 0.8			
Bottom Depth(m): 3.7		Stratum Desc: Dark Brown to Black Bedrock WEATHERED			
57	1 of 1	NE/237.1	58.1 / 0.23	ON	BORE
Borehole ID: 801112		Type: Borehole			
Use: Geotechnical/Geological Investigation		Status::			
Drill Method:: Rotary (conventional)		UTM Zone:: 18			
Easting:: 447555.05		Northing:: 5032423.8			
Location Accuracy::		Orig. Ground Elev m:: 57.7			
Elev. Reliability Note::		DEM Ground Elev m:: 58.3			
Total Depth m:: 6.4		Primary Name:: BH 4			
Township::		Concession::			
Lot::		Municipality:			
Completion Date:: 29-APR-1971		Static Water Level:: 1.9			
Primary Water Use::		Sec. Water Use::			
--Details--					
Stratum ID: 218566839		Top Depth(m): 0.0			
Bottom Depth(m): 0.1		Stratum Desc: Asphalt			
Stratum ID: 218566840		Top Depth(m): 0.1			
Bottom Depth(m): 0.8		Stratum Desc: Brown Compact Fill-Misc Silt - Sand With: Gr			
Stratum ID: 218566841		Top Depth(m): 0.8			
Bottom Depth(m): 1.7		Stratum Desc: Black Bedrock Shale			
Stratum ID: 218566842		Top Depth(m): 1.7			
Bottom Depth(m): 6.4		Stratum Desc: Black Bedrock Shale Fairl Sound			
58	1 of 2	SW/237.5	55.9 / -2.00	BEECHWOOD CYCLE & SPORTS 80 BEECHWOOD AVENUE VANIER ON K1L 8B2	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No.: ON1133200 Status: Approval Years: 89 Contam. Facility: MHSW Facility: SIC Code: 6542 SIC Description: BICYCLE SHOPS --Details-- Waste Code: 213 Waste Description: PETROLEUM DISTILLATES					
58	2 of 2	SW/237.5	55.9 / -2.00	BEECHWOOD CYCLE (OUT OF BUSINESS) 04-333 80 BEECHWOOD AVENUE VANIER ON K1L 8B2	GEN
Generator No.: ON1133200 Status: Approval Years: 92,93,94,95,96,97,98 Contam. Facility: MHSW Facility: SIC Code: 6542 SIC Description: BICYCLE SHOPS --Details-- Waste Code: 213 Waste Description: PETROLEUM DISTILLATES					
59	1 of 1	NW/238.7	64.6 / 6.71	Homstead Land Holdings Limited 200 Rideau Terrace Ottawa ON K1M 0Z3	GEN
Generator No.: ON7106226 Status: Approval Years: 2014 Contam. Facility: No MHSW Facility: No SIC Code: 236110 SIC Description: RESIDENTIAL BUILDING CONSTRUCTION --Details-- Waste Code: 221 Waste Description: LIGHT FUELS					
60	1 of 1	NW/243.2	67.9 / 10.00	ON	BORE
Borehole ID: 613787 Use: Drill Method:: Easting:: 447221 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: -999 Township:: Lot::					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5032432 Orig. Ground Elev m:: 69.3 DEM Ground Elev m:: 68.2 Primary Name:: Concession:: Municipality:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Completion Date:: Primary Water Use::	1900			Static Water Level:: Sec. Water Use::	4.6
--Details--					
Stratum ID:	218396608			Top Depth(m):	0.0
Bottom Depth(m):	1.2			Stratum Desc:	SAND. FIRM.
Stratum ID:	218396609			Top Depth(m):	1.2
Bottom Depth(m):	3.4			Stratum Desc:	GRAVEL. FIRM.
Stratum ID:	218396610			Top Depth(m):	3.4
Bottom Depth(m):	3.5			Stratum Desc:	SAND. FIRM.
Stratum ID:	218396611			Top Depth(m):	3.5
Bottom Depth(m):	4.6			Stratum Desc:	GRAVEL. COMPACT.
Stratum ID:	218396612			Top Depth(m):	4.6
Bottom Depth(m):	4.7			Stratum Desc:	SAND.
Stratum ID:	218396613			Top Depth(m):	4.7
Bottom Depth(m):	6.2			Stratum Desc:	GRAVEL. COMPACT, WATER STABLE AT 212.2 FEET.
Stratum ID:	218396614			Top Depth(m):	6.2
Bottom Depth(m):	6.8			Stratum Desc:	SAND.
Stratum ID:	218396615			Top Depth(m):	6.8
Bottom Depth(m):	8.5			Stratum Desc:	GRAVEL. COMPACT.
Stratum ID:	218396616			Top Depth(m):	8.5
Bottom Depth(m):				Stratum Desc:	BEDROCK. 065 021 00108 009 0002502000065034001080510011607400216 00000008000250450

61	1 of 7	SSE/246.7	55.9 / -2.00	CONSEIL SCOLAIRE DE LANGUE FRANCIS LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	GEN
Generator No.:	ON1285714			PO Box No.:	
Status:				Country:	
Approval Years:	93,94,95,96,97,98			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				
--Details--					
Waste Code:	243				
Waste Description:	PCB'S				

61	2 of 7	SSE/246.7	55.9 / -2.00	CONSEIL DES ECOLES PULBIQUES LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	GEN
Generator No.:	ON1285714			PO Box No.:	
Status:				Country:	
Approval Years:	99,00			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:	ELEMT./SECON. EDUC.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Waste Code:		243			
Waste Description:		PCB'S			
61	3 of 7	SSE/246.7	55.9 / -2.00	CONSEIL (OUT OF BUSINESS)UES LE TRILLIUM 135 RUE ALICE VANIER ON K1L 7X5	GEN
Generator No.:	ON1285714			PO Box No.:	
Status:				Country:	
Approval Years:	01			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	8511				
SIC Description:		ELEMT./SECON. EDUC.			
--Details--					
Waste Code:		243			
Waste Description:		PCB'S			
61	4 of 7	SSE/246.7	55.9 / -2.00	Ecole elementaire publique Le Trillium 135 ALICE STREET OTTAWA ON	GEN
Generator No.:	ON6353012			PO Box No.:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110				
SIC Description:		Elementary and Secondary Schools			
61	5 of 7	SSE/246.7	55.9 / -2.00	+cole Élémentaire publique Le Trillium 135 ALICE STREET OTTAWA ON	GEN
Generator No.:	ON6353012			PO Box No.:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No. Admin:	
SIC Code:	611110				
SIC Description:		ELEMENTARY AND SECONDARY SCHOOLS			
--Details--					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
61	6 of 7	SSE/246.7	55.9 / -2.00	Ecole elementaire publique Le Trillium 135 ALICE STREET OTTAWA ON K1L 7X5	GEN
Generator No.:	ON6353012			PO Box No.:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	No No 611110			Co Admin: Phone No. Admin:	
		ELEMENTARY AND SECONDARY SCHOOLS			
--Details--					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
61	7 of 7	SSE/246.7	55.9 / -2.00	Ecole elementaire publique Le Trillium 135 ALICE STREET OTTAWA ON K1L 7X5	GEN
Generator No.: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON6353012 2014 No No 611110			PO Box No.: Country: Choice of Contact: Co Admin: Phone No. Admin:	Canada CO_OFFICIAL
		ELEMENTARY AND SECONDARY SCHOOLS			
--Details--					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
62	1 of 1	SW/247.0	55.9 / -2.00	59-63 Beechwood Avenue Ottawa ON K1M 1L8	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:	169883 20091119037 70787 77 C 4CAN Custom Report 11/26/2009 Pinchin Environmental			Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	11/19/2009 ON 0.25 2 -75.67525 45.440507
63	1 of 1	WNW/247.6	61.9 / 4.00	OTTAWA ON	WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock:	7149522 Monitoring and Test Hole 0 Monitoring and Test Hole Z118987 A097218 			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name:	 8/5/2010 1 7241 7 200 RIDEAU TERRACE OTTAWA-CARLETON OTTAWA CITY

80 erisinfo.com | Environmental Risk Information Services Order No: 20180418141

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1003313985			
Layer:		2			
Plug From:		0.31			
Plug To:		4.57			
Plug Depth UOM:		m			
Plug ID:		1003313986			
Layer:		3			
Plug From:		4.57			
Plug To:		6.71			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003313992			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1003313980			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003313988			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		4.88			
Casing Diameter:		7.74			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003313989			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.88			
Screen End Depth:		6.71			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		8.38			
<u>Water Details</u>					
Water ID:		1003313987			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID: 1003313983 Diameter: 20.32 Depth From: 0.00 Depth To: 6.71 Hole Depth UOM: m Hole Diameter UOM: cm					
64	1 of 1	NNE/247.6	61.9 / 4.00	101 BLACK MAPLE [PRIVATE] OTTAWA ON	HINC
External File Num: FS INC 0806-03159 Date of Occurrence: 6/19/2008 Fuel Occurrence Type: Pipeline Strike Fuel Type Involved: Natural Gas Status Desc:: Completed - Causal Analysis(End) Job Type Desc:: Incident/Near-Miss Occurrence (FS) Oper. Type Involved:: Private Dwelling Service Interruptions:: Yes Property Damage:: No Fuel Life Cycle Stage:: Utilization Root Cause:: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No Reported Details:: Fuel Category:: Gaseous Fuel Occurrence Type:: Incident Affiliation:: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name:: Ottawa Approx. Quant. Rel:: Nearby body of water:: Enter Drainage Syst:: Approx. Quant. Unit:: Environmental Impact::					
65	1 of 1	SW/247.6	55.9 / -1.97	ON	BORE
Borehole ID: 613752 Use: Drill Method:: Easting:: 447211 Location Accuracy:: Elev. Reliability Note:: Total Depth m:: 3.8 Township:: Lot:: Completion Date:: APR-1971 Primary Water Use:: --Details-- Stratum ID: 218396459 Bottom Depth(m): 0.2 Stratum ID: 218396460 Bottom Depth(m): 1.5 Stratum ID: 218396461 Bottom Depth(m): 3.8					
Type: Borehole Status:: UTM Zone:: 18 Northing:: 5032072 Orig. Ground Elev m:: 57.3 DEM Ground Elev m:: 57.2 Primary Name:: Concession:: Municipality: Static Water Level:: -999.9 Sec. Water Use:: Top Depth(m): 0.0 Stratum Desc: ARTIFICIAL. Top Depth(m): 0.2 Stratum Desc: ARTIFICIAL. DARK,BROWN,LOOSE. Top Depth(m): 1.5 Stratum Desc: BEDROCK. BROWN,BLACK,WEATHERED. 000070060005010007001410 00021 025 00040 010 SOF					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
66	1 of 1	NW/247.7	64.6 / 6.71	OTTAWA ON	WWIS
<div> <div> Well ID: 7264855 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: Z222213 Tag: A164362 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: </div> <div> Data Entry Status: Data Src: Date Received: 6/15/2016 Selected Flag: 1 Abandonment Rec: Contractor: 7241 Form Version: 7 Owner: Street Name: 200 RIDEAU TERRACE County: OTTAWA-CARLETON Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
<u>Bore Hole Information</u>					
<div> <div> Bore Hole ID: 1006058064 DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: 66.979942 Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: </div> <div> Spatial Status: Cluster Kind: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Date Completed: 5/6/2016 </div> </div>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<div> <div> Formation ID: 1006109890 Layer: 1 Color: 2 General Color: GREY Mat1: 08 Most Common Material: FINE SAND Mat2: 28 Other Materials: SAND Mat3: 77 Other Materials: LOOSE Formation Top Depth: 0.00 Formation End Depth: 0.31 Formation End Depth UOM: m </div> <div> Formation ID: 1006109891 Layer: 2 Color: 6 General Color: BROWN Mat1: 08 Most Common Material: FINE SAND </div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Other Materials:					
Mat3:		77			
Other Materials:		LOOSE			
Formation Top Depth:		0.31			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
Formation ID:					
Layer:		1006109892			
Color:		3			
General Color:		6			
Mat1:		BROWN			
Most Common Material:		10			
Mat2:		COARSE SAND			
Other Materials:					
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		4.57			
Formation End Depth:		9.14			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:					
Layer:		1006109900			
Plug From:		1			
Plug To:		0.00			
Plug Depth UOM:		0.31			
Plug ID:					
Layer:		1006109901			
Plug From:		2			
Plug To:		0.31			
Plug Depth UOM:		6.09			
Plug ID:					
Layer:		1006109902			
Plug From:		3			
Plug To:		6.09			
Plug Depth UOM:		9.14			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1006109899			
Method Construction:		2			
Other Method Construction:		Rotary (Convent.)			
<u>Pipe Information</u>					
Pipe ID:					
Casing No:		1006109889			
Comment:		0			
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:					
Layer:		1006109895			
		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		6.09			
Casing Diameter:		4.03			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1006109896			
Layer:		1			
Slot:		10			
Screen Top Depth:		6.09			
Screen End Depth:		9.14			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.82			
<u>Water Details</u>					
Water ID:		1006109894			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1006109893			
Diameter:		15.23			
Depth From:		0.00			
Depth To:		9.14			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<hr/>					
67	1 of 1	E/249.2	55.9 / -2.00	43 Ste. Cecile Ottawa ON	EHS
Order ID:		415300		Date Received:	30-JUN-15
Order No:		20150630044		Lot/Building Size:	
Customer ID:		92608		Municipality:	
Company ID:		5		Client Prov/State:	ON
Status:		C		Search Radius (km):	.25
Report Code:		4CAN		Large Radius:	.3
Report Type:		Custom Report		X:	-75.669306
Report Date:		08-JUL-15		Y:	45.442395
Report Requested by:		BluMetric Environmental Inc.			
Nearest Intersection:					
Previous Site Name:					
Additional Info Ordered:					
68	1 of 1	SW/249.4	55.9 / -1.97	RYDER TRUCK RENTAL CANADA LTD. 64 BEECHWOOD AVENUE TRANSPORT TRUCK (CARGO) VANIER CITY ON K1L 8B2	SPL
Ref No:		112655		Sector Type:	
Contaminant Name:				Source Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Code: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Contaminant Qty: Material Group: MOE Reported Dt: 5/3/1995 Health/Env Conseq: Incident Dt: 5/3/1995 Incident Cause: OTHER TRANSPORTATION ACCIDENT Incident Event: Incident Reason: ERROR Incident Summary: RYDER TRUCK: 135L DIESEL TO ASPHALT & PRIVATE CATCHBASIN: FD, WORKS				Receiving Medium: LAND / WATER Receiving Env: Environment Impact: POSSIBLE Nature of Impact: Water course or lake SAC Action Class: Year: Site Address: Site Conc: Site Lot: Site County/District: Site Municipality: 20102 Site Postal Code:	

69	1 of 1	WNW/249.4	64.6 / 6.72	OTTAWA ON	WWIS
Well ID: 7149521 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: Z118986 Tag: A097217 Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Data Entry Status: Data Src: Date Received: 8/5/2010 Selected Flag: 1 Abandonment Rec: Contractor: 7241 Form Version: 7 Owner: Street Name: 200 RIDEAU TERRACE County: OTTAWA-CARLETON Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
<u>Bore Hole Information</u>					
Bore Hole ID: 1003269504 DP2BR: Code OB: Code OB Desc: Open Hole: Elevation: 64.47467 Elevrc: Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Spatial Status: Cluster Kind: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Date Completed: 7/15/2010	
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID: 1003313952 Layer: 1 Color: 6					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		73			
Other Materials:		HARD			
Mat3:		68			
Other Materials:		DRY			
Formation Top Depth:		0.00			
Formation End Depth:		4.57			
Formation End Depth UOM:		m			
Formation ID:		1003313953			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Other Materials:		GRAVEL			
Mat3:		73			
Other Materials:		HARD			
Formation Top Depth:		4.57			
Formation End Depth:		5.79			
Formation End Depth UOM:		m			
Formation ID:		1003313954			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		73			
Other Materials:		HARD			
Mat3:		91			
Other Materials:		WATER-BEARING			
Formation Top Depth:		5.79			
Formation End Depth:		6.10			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003313956			
Layer:		1			
Plug From:		0.00			
Plug To:		0.31			
Plug Depth UOM:		m			
Plug ID:		1003313957			
Layer:		2			
Plug From:		0.31			
Plug To:		2.74			
Plug Depth UOM:		m			
Plug ID:		1003313958			
Layer:		3			
Plug From:		3.74			
Plug To:		6.10			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003313964			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1003313951			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003313960			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.00			
Depth To:		3.10			
Casing Diameter:		7.74			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003313961			
Layer:		1			
Slot:		10			
Screen Top Depth:		3.10			
Screen End Depth:		6.10			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		8.38			
<u>Water Details</u>					
Water ID:		1003313959			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003313955			
Diameter:		20.32			
Depth From:		0.00			
Depth To:		6.10			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Unplottable Summary

Total: 9 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Petro-Canada		Ottawa ON	
CA	City of Ottawa	Acacia Avenue	Ottawa ON	
EBR	Bradley Kelly Construction Ltd.	Mobile sewage works Ottawa CITY OF OTTAWA	ON	
ECA	Bradley Kelly Construction Ltd.	Mobile sewage works	Ottawa ON	
ECA	Bradley Kelly Construction Ltd.	Mobile sewage works	Ottawa ON	
ECA	Petro-Canada Inc.		Ottawa ON	L6L 6N5
ECA	City of Ottawa	Acacia Avenue	Ottawa ON	K2G 6J8
SPL	PETRO-CANADA	SERVICE STATION	OTTAWA CITY ON	
SPL	Petro Canada Fuels<UNOFFICIAL>	West of Eagleson	Ottawa ON	

Unplottable Report

Site: *Petro-Canada*
Ottawa ON

Database:
CA

Certificate #: 5607-79YMZ8
Application Year: 2008
Issue Date: 2/12/2008
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *City of Ottawa*
Acacia Avenue Ottawa ON

Database:
CA

Certificate #: 9305-5Y4K5F
Application Year: 2004
Issue Date: 4/16/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: *Bradley Kelly Construction Ltd.*
Mobile sewage works Ottawa CITY OF OTTAWA ON

Database:
EBR

EBR Registry No.: 011-7578
Ministry Ref. No.: 5284-8ZUL4L
Company Name: Bradley Kelly Construction Ltd.
Notice Type: Instrument Decision
Notice Date: January 08, 2013
Proposal Date: November 15, 2012
Year: 2012
Proponent Address: 5622 Doncaster Road Road, Gloucester Ontario, Canada K1G 3N4
Instrument Type: (EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage)
Location Other:

Location:

Mobile sewage works Ottawa CITY OF OTTAWA

Site: *Bradley Kelly Construction Ltd.*
Mobile sewage works Ottawa ON

Database:
ECA

Approval No: 9615-9WVJS9
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Status: Approved
Approval Date: 2015-05-28
Record Type: ECA
Project Type: INDUSTRIAL SEWAGE WORKS
Link Source: IDS
Full Address:
Full PDF Link:

MOE District:
SWP Area Name:
Address: Mobile sewage works
City: Ottawa
Longitude:
Latitude:

<https://www.accessenvironment.ene.gov.on.ca/instruments/2440-9WBND9-14.pdf>

Site: **Bradley Kelly Construction Ltd.**
Mobile sewage works Ottawa ON

Database:
ECA

Approval No: 5145-8ZZLCX
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Status: Revoked and/or Replaced
Approval Date: 2013-01-02
Record Type: ECA
Project Type: INDUSTRIAL SEWAGE WORKS
Link Source: IDS
Full Address:
Full PDF Link:

MOE District:
SWP Area Name:
Address: Mobile sewage works
City: Ottawa
Longitude:
Latitude:

<https://www.accessenvironment.ene.gov.on.ca/instruments/5284-8ZUL4L-14.pdf>

Site: **Petro-Canada Inc.**
Ottawa ON L6L 6N5

Database:
ECA

Approval No: 4810-4UMJP8
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Status: Approved
Approval Date: 2001-03-12
Record Type: ECA
Project Type: INDUSTRIAL SEWAGE WORKS
Link Source: IDS
Full Address:
Full PDF Link:

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

<https://www.accessenvironment.ene.gov.on.ca/instruments/7825-4UCP9D-14.pdf>

Site: **City of Ottawa**
Acacia Avenue Ottawa ON K2G 6J8

Database:
ECA

Approval No: 1231-5Y4K88
Approval Type: ECA-Municipal Drinking Water Systems
Status: Approved
Approval Date: 2004-04-16
Record Type: ECA
Project Type: Municipal Drinking Water Systems
Link Source: IDS
Full Address:
Full PDF Link:

MOE District:
SWP Area Name:
Address: Acacia Avenue
City:
Longitude:
Latitude:

Site: **PETRO-CANADA**
SERVICE STATION OTTAWA CITY ON

Database:
SPL

Ref No: 30833
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Material Group:
MOE Reported Dt: 2/12/1990
Health/Env Conseq:
Incident Dt: 2/12/1990

Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
SAC Action Class:
Year:
Site Address:
Site Conc:
Site Lot:

Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Incident Reason: CORROSION
Incident Summary: PETRO CANADA SERVICE STN.FURANCE
OIL LEAK.

Site County/District:
Site Municipality: 20101
Site Postal Code:

Site: **Petro Canada Fuels<UNOFFICIAL>**
West of Eagleson Ottawa ON

Database:
SPL

Ref No: 7820-9Q5NJP
Contaminant Name: DIESEL FUEL
Contaminant Code: 13
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 50 L
Material Group:
MOE Reported Dt: 2014/10/22
Health/Env Conseq:
Incident Dt: 2014/10/22
Incident Cause: Unknown / N/A
Incident Event:
Incident Reason: Unknown / N/A
Incident Summary: Petro Canada Fuels, 50L Diesel to rd, Cln

Sector Type: Truck - Tanker
Source Type:
Receiving Medium:
Receiving Env:
Environment Impact: Not Anticipated
Nature of Impact: Soil Contamination
SAC Action Class: Highway Spills (usually highway accidents)
Year:
Site Address: West of Eagleson
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Ottawa
Site Postal Code:

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

AGR

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-Jan 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

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

Government Publication Date: 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-Jan 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 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial

CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2017

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-Feb 28, 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

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-Jan 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-Feb 28, 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-Jan 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 with removed tanks which were once 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 automatically fall under the expired facilities inventory held by TSSA.

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-Dec 2017

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

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

Government Publication Date: 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 2015

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

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

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

Government Publication Date: 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-Feb 2017

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-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

[NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National 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-Dec 31, 2017

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-December 31, 2017

Ontario Oil and Gas Wells:

Provincial

OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Oct 2017

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-Feb 28, 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

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-Aug 2017

TSSA Pipeline Incidents:

Provincial

[PINC](#)

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

Government Publication Date: 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-Feb 28, 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-Nov 2017

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-Jan 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-Sep 2017

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.

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-Jan 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: Mar 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.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



APPENDIX B – ADDITIONAL INFORMATION



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 8817-4LQQ35

Corporation of the City of Ottawa
111 Sussex Drive, 7th Floor
Ottawa, Ontario
K1N 5A1

Site Location: Chapleau, Putman and Langevin Avenues
Ottawa City, Regional Municipality Of Ottawa-Carleton

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

sanitary and storm sewers to be constructed in the City of Ottawa, in the Regional Municipality of Ottawa-Carleton, on Putman Avenue, Langevin Avenue and Chapleau Avenue, all in accordance with the application from the Corporation of the City of Ottawa, dated May 25, 2000, including final plans and specifications prepared by the Corporation of the City of Ottawa.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 28th day of June, 2000

Dave Staseff, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

BK/
c: District Manager, MOE Ottawa
R.G.H. Rehbein, Corporation of the City of Ottawa
Mr. P. Page, Clerk, City of Ottawa
Ms. M. J. Woollam, Clerk, Region of Ottawa-Carleton



AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1164-AK3S8L

Issue Date: March 10, 2017

City of Ottawa
100 Constellation Crescent, No. 6
Ottawa, Ontario
K2G 6J8

Site Location: South of Keefer & Stanley Streets Intersection
Lot 4, Concession Gore
Ottawa City

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

one (1) custom design, Granular Activated Carbon filter comprised of two (2) media beds each 3.35 metres in diameter and 2.44 metres in height, complete with a mesh pad demister, a grease filter and an electric heater housed in a building enclosure, discharging into the air through a stack having a diameter of 0.67 metre, extending 9.4 metres above ground and 3.4 metres above the roof;
all in accordance with the application for an Environmental Compliance Approval (Air), dated March 23, 2016 and signed by Randy Dempsey, and supporting information including an Emission Summary and Dispersion Modelling Report prepared by CH2M Hill and dated March 23, 2016, and all other documentation associated with the application.

For the purpose of this environmental compliance approval, the following definitions apply:

1. *"Approval"* means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. *"Company"* means City of Ottawa, that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
3. *"District Manager"* means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
4. *"EPA"* means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
5. *"Equipment"* means the equipment and processes described in the *Company's* application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
6. *"ESDM Report"* means the most current Emission Summary and Dispersion Modelling Report that describes the *Facility*. The *ESDM Report* is based on the original *ESDM Report*, which was prepared in accordance with section 26 of *O. Reg. 419/05* and the *Procedure Document* by CH2M Hill and dated March 23, 2016, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;
7. *"Facility"* means the entire operation located on the property where the *Equipment* is located;
8. *"Manual"* means a document or a set of documents that provide written instructions to staff of the *Company*;
9. *"Ministry"* means the ministry of the government of Ontario responsible for the *EPA* and includes

all officials, employees or other persons acting on its behalf;

10. "*Procedure Document*" means *Ministry* guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated February 2017, as amended; and
11. "*Publication NPC-300*" means the *Ministry* Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. OPERATION AND MAINTENANCE

- I. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
 - I. prepare, not later than three (3) months after the date of this *Approval*, and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Equipment* suppliers;
 - ii. emergency procedures, including spill clean-up procedures;
 - iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
 - iv. all appropriate measures to minimize noise and odorous emissions from all potential sources; and
 - v. the frequency of inspection and replacement of the filter material in the *Equipment*;
 - II. implement the recommendations of the *Manual*.
- II. The *Company* shall submit to the *District Manager* an updated *ESDM Report* which includes odour, based on the results of the performance testing of the *Equipment* conducted by the manufacturer, no later than six (6) months after the completion of the testing.

2. RECORD RETENTION

- I. The *Company* shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this *Approval*, and make these records available for review by staff of the *Ministry* upon request. The *Company* shall retain:
 - I. all records on the maintenance, repair and inspection of the *Equipment*; and
 - II. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint relates;
 - ii. wind direction at the time of the incident to which the complaint relates; and
 - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

3. NOTIFICATION OF COMPLAINTS

- I. The *Company* shall notify the *District Manager*, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
 - I. a description of the nature of the complaint; and
 - II. the time and date of the incident to which the complaint relates.

4. NOISE

- I. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the Regulations and this *Approval*.
2. Condition No. 2 is included to require the *Company* to keep records and to provide information to staff of the *Ministry* so that compliance with the *EPA*, the Regulations and this *Approval* can be verified.
3. Condition No. 3 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the site's compliance.
4. Condition No. 4 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 4691-5UZQRC issued on January 19, 2004.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the
purposes of Part II.1 of the
Environmental Protection Act
Ministry of the Environment and
Climate Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 10th day of March, 2017

Rudolf Wan, P.Eng.

Director

appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

BA/

c: District Manager, MOECC Ottawa

Channy Shen, CH2M Hill



CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
 NUMBER 4305-7DJK4L
 Issue Date: May 29, 2008

City of Ottawa
 100 Constellation Crescent, 6th Floor
 Ottawa, Ontario, K2G 6J8

Site Location: Keefer Street Regulator
 Keefer Street and River Lane
 City of Ottawa

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

Upgrading of the Keefer Street Regulator, located at the terminus of existing 2.1m diameter Rideau River Collector situated at the northwest corner of the intersection of Keefer Street and River Lane in the City of Ottawa (NAD83: MTM Zone 18: 38445m E, 5033672m N), to optimize the regulator structure through Real Time Control (RTC), flow regulating equipment, and improved monitoring and maintenance equipment to improve the operation and performance of the Central Interceptor Outfall Sewer, thereby reducing the volume and frequency of *Combined Sewer Overflows* (CSOs) to the Ottawa River, consisting of the following:

- construction of a 3.2m by 3.7m access shaft on the existing Regulator Chamber, complete with new access and subgrade removable concrete cover;
- removal of existing orifice assembly and installation of one (1) new 1,372mm by 1,219mm high modulating gate to the regulator chamber of the 2.4m diameter existing outfall sewer, complete with electric actuator and UPS backup power source;
- form and construct 1220mm high by 1600mm wide channel within the regulator chamber;
- installation of one (1) new 1,372mm by 1,219mm high isolation gate at the inlet to the regulator from the 2.1m diameter combined sewer, complete with an electric actuator and UPS backup power; including provision of temporary flow diversion mechanism as necessary during construction to prevent overflows at a frequency that is greater than current operating conditions;
- extension of the height of an existing wall in the regulator chamber, between the modulating gates and the drop pipes; including installation of one (1) ultrasonic level transmitter and one (1) radar level meter upstream of the modulating gate, installation of two (2) float type level switches downstream of the modulating gate; and installation of continuous flow monitoring equipment in the combined sewer upstream and downstream of the Keefer Regulator;
- installation of one (1) ultrasonic level transmitter and one (1) radar level meter within a new 600 millimeter diameter common access port to the Interceptor-Outfall sewer, downstream of the existing drop pipe connection point;
- re-construction of the existing access manhole for the overflow monitoring site located on the Rideau River Collector Overflow pipe along River Lane;
- equipment upgrades and instrumentation for implementation of local reactive Real Time Control (RTC) for automated operation of the Keefer Street Regulator for improved management of flows in the existing *Combined Sewer System*;
- one (1) underground control vault located beneath the intersection of Stanley and Keefer Streets to house the electrical service entrance, utility metering and distribution equipment, backup power systems (UPS), RTU & communication

equipment and PLC/RTU panel as well as sump pump, heating and ventilation equipment. Dedicated transient voltage suppression systems to be installed on incoming power supply, telephone line and radio antenna coaxial cable;

- reconstruction of the existing Rideau River Collector access manhole at the intersection of Keefer Street and River Lane;
- tie in of the Keefer Street Regulator with the Supervisory Control and Data Acquisition (SCADA) network at ROPEC as part of the RTC system, including an 18m high SCADA pole at Keefer Street Biofilter Station, and appurtenances;
- erosion/sedimentation control measures during every stage of construction to minimize the effects on external lands,

all in accordance with the following documents:

1. Application for Approval of Municipal and Private Sewage Works dated February 29, 2008, and accompanying cover letter dated February 29, 2008 submitted by Wayne Bennett, P. Eng., Manager, Construction Services East, City of Ottawa.
2. Document entitled "Keefer Street and Cathcart Square Regulator Upgrades: Design Brief - Supporting Documentation for Application for Certificate of Approval (MOE Ref 1889-7CNRJZ)" dated January 31, 2008 prepared by Stantec Consulting Ltd., Consulting Engineers.
3. Set of engineering drawings entitled "Regulator Chamber Upgrades (Various Sites), (Contract No. ISB07-2015), Issued for 90% Review" dated February 15, 2008 prepared by Stantec Consulting Ltd., Consulting Engineers.
4. Document entitled "Regulator Upgrade Pre-Design Project: Pre-Design Report", prepared by Stantec Consulting, BPR-CSO Canada, and Delcan, dated August 14, 2006.
5. Document entitled "Real Time Control Feasibility Study - Final Report (Project Number 1634-00512)", prepared by Stantec and BPR-CSO, dated February, 2005.
6. Letter dated April 18, 2008 from Randy Dempsey, P. Eng., Senior Project Engineer, City of Ottawa to Mohammed Nizamuddin, P. Eng of the MOE in response to information request.
7. Letter dated May 2, 2008 from Randy Dempsey, P. Eng., Senior Project Engineer, City of Ottawa to Mohammed Nizamuddin, P. Eng of the MOE in providing further clarifications on the City's comments on the draft Certificate of Approval.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

"*Act*" means the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended;

"*BOD5*" (also known as TBOD5) means five day biochemical oxygen demand measured in an unfiltered sample and includes carbonaceous and nitrogenous oxygen demand;

"*Certificate*" means this entire certificate of approval document, issued in accordance with Section 53 of the *Act*, and includes any schedules;

"*Combined Sewer Overflow*" means a discharge of combined sewage to the environment from a *Combined Sewer System* that usually occurs as a result of a precipitation event when the capacity of the combined sewer is exceeded;

"*Combined Sewer System*" means a wastewater collection system designed to convey both sanitary sewage and surface water which inflows or infiltrates into the sanitary sewage collection system;

"*Director*" means any *Ministry* employee appointed by the Minister pursuant to section 5 of the *Act*;

"*District Manager*" means the District Manager of the Ottawa District Office of the *Ministry*;

"*E. Coli*" refers to the thermally tolerant forms of *Escherichia* that can survive at 44.5 degrees Celsius;

"*Ministry*" means the Ontario Ministry of the Environment;

"*Owner*" means City of Ottawa and includes its successors and assignees;

"*Regional Director*" means the Regional Director of the Eastern Region of the *Ministry*;

"*ROPEC*" means the R.O. Pickard Environmental Centre sewage treatment plant;

"*Substantial Completion*" has the same meaning as "*substantial performance*" in the Construction Lien Act; and

"*Works*" means the sewage works described in the *Owner's* application, this *Certificate* and in the supporting documentation referred to herein, to the extent approved by this *Certificate*.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

(1) The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Certificate* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

(2) Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Certificate*, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this *Certificate*.

(3) Where there is a conflict between a provision of any submitted document referred to in this *Certificate* and the Conditions of this *Certificate*, the Conditions in this *Certificate* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

(4) Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(5) The requirements of this *Certificate* are severable. If any requirement of this *Certificate*, or the application of any requirement of this *Certificate* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Certificate* shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by this *Certificate* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Certificate*.

3. CHANGE OF OWNER

(1) The *Owner* shall notify the *District Manager* and the *Director*, in writing, of any of the following changes within thirty (30) days of the change occurring:

(a) change of *Owner*;

(b) change of address of the *Owner*;

(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager*; and

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy

of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager*.

(2) In the event of any change in ownership of the *Works*, other than a change to a successor Municipality, the *Owner* shall notify in writing the succeeding owner of the existence of this *Certificate*, and a copy of such notice shall be forwarded to the *District Manager* and the *Director*.

4. UPON THE SUBSTANTIAL COMPLETION OF THE WORKS

(1) Upon the *Substantial Completion* of the *Works*, the *Owner* shall prepare a statement, certified by a Professional Engineer, that the works are constructed in accordance with this *Certificate*, and upon request, shall make the written statement available for inspection by Ministry personnel.

(2) Within six (6) months following the *Substantial Completion* of the proposed *Works*, a set of as-built drawings showing the works "as constructed" shall be prepared. These drawings shall be kept up to date through revisions undertaken from time to time and a copy shall be retained for the operational life of the *Works*.

5. OPERATION AND MAINTENANCE

(1) The *Owner* shall exercise due diligence in ensuring that, at all times, the *Works* and the related equipment and appurtenances used to achieve compliance with this *Certificate* are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this *Certificate* and the *Act* and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the *Works*.

(2) The *Owner* shall prepare and maintain an operations manual prior to the *Substantial Completion* of the proposed *Works*, that includes, but is not necessarily limited to, the following information:

- (a) operating procedures for routine operation of the *Works*;
- (b) inspection programs, including frequency of inspection, for the *Works* and the methods or tests employed to detect when maintenance is necessary;
- (c) maintenance and repair programs, including the frequency of maintenance and repair for the *Works*;
- (d) procedures for the inspection and calibration of monitoring equipment;
- (e) a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the *District Manager*; and
- (f) procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

(3) The *Owner* shall maintain the operations manual current and retain a copy at ROPEC for the operational life of the *Works*. Upon request, the *Owner* shall make the manual available to *Ministry* staff.

(4) The *Owner* shall provide for the overall operation of the *Works* with an operator who holds a licence that is applicable to that type of facility and that is of the same class as or higher than the class of the facility in accordance with Ontario Regulation 129/04.

6. MONITORING AND RECORDING

The *Owner* shall, upon commencement of operation of the *Works*, carry out the following monitoring program:

(1) The *Owner* shall monitor and record any incidents of *Combined Sewer Overflow* from the *Works*, including the time

and duration of any such event and the reasons for the occurrence.

(2) All samples and measurements taken for the purposes of this *Certificate* are to be taken at a time and in a location characteristic of the quality and quantity of the effluent stream over the time period being monitored.

(3) For the purposes of this Condition, the following definitions apply:

- (a) Daily means once each day; and
- (b) Annually means once every year.

(4) Samples shall be collected at the following sampling points, at the frequency specified, by means of the specified sample type and analysed for each parameter listed and all results recorded:

Table 1 - Combined Sewer Overflow Quality Monitoring (samples to be collected immediately upstream of the overflow weir in the regulator)	
Frequency	Annually*
Sample Type	Composite**
Parameters	<i>BOD5</i> , Total Suspended Solids, Total Phosphorus, Total Kjeldahl Nitrogen, Total Coliform, <i>E. Coli</i>

* Sampling is to be conducted during at least one (1) overflow event per year at the Keefer Street Regulator

** Composite sample for quality monitoring shall be collected over the duration of the overflow event with an automatic sampler.

(5) The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:

- (a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended from time to time by more recently published editions;
- (b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions; and
- (c) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions.

(6) The measurement frequencies specified in subsections (3) and (4) in respect to any parameter are minimum requirements which may, after twelve (12) months of monitoring in accordance with this Condition, be modified by the *District Manager* in writing from time to time to require an increased frequency of sampling from the *Works* or increased number of effluent parameters, if deemed necessary.

(7) The *Owner* shall install and maintain a continuous flow measuring devices, to measure the flowrate of the total combined sewage flow in the Rideau River Collector at a monitoring location upstream of the Keefer Street Regulator with a target accuracy to within plus or minus fifteen per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring devices, and record the flowrate at a daily frequency.

(8) The *Owner* shall install and maintain a continuous flow measuring devices, to measure the flowrate and quantity of *Combined Sewer Overflow* from the Keefer Street Regulator with a target accuracy to within plus or minus fifteen per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring devices, and record the flowrate at a daily frequency during an overflow event.

(9) The *Owner* shall determine the flowrate and quantity of flow intercepted by the regulator, using a flow-under-the-gate algorithm, and record the flowrate and volume of the captured flow at a daily frequency.

(10) The *Owner* shall retain for a minimum of three (3) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this *Certificate*.

7. REPORTING

(1) One (1) week prior to the start up of the operation of the proposed *Works*, the *Owner* shall notify the *District Manager* (in writing) of the pending start up date.

(2) The *Owner* shall promptly report to the *Ministry's* Spills Action Centre (1-800-268-6060) any *Combined Sewer Overflow* from the *Works* and shall notify the *District Manager* (in writing) as soon as possible.

(3) In addition to the obligations under Part X of the Environmental Protection Act, the *Owner* shall, within ten (10) working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass, overflow or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the *District Manager* describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.

(4) The *Owner* shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to *Ministry* staff.

(5) The *Owner* shall prepare and submit to the *District Manager* a performance report, on an annual basis, within ninety (90) days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the proposed *Works* and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information in a format acceptable to the *District Manager*:

(a) a summary and interpretation of all monitoring data, including an overview of the success and adequacy of the *Works*;

(b) a description of efforts made and results achieved in meeting the design objectives for the *Works* with regard to the flow rate and degree of capture of *Combined Sewer Overflow* into the Interceptor-Outfall Sewer;

(c) an assessment and summary of the benefits of the upgraded *Works* and RTC system towards meeting the minimum *Combined Sewer Overflow* control requirements in accordance with *Ministry* Procedure F-5-5 and an identification of further upgrade requirements for the *Combined Sewer System*, if deemed necessary;

(d) a summary of all incidents of *Combined Sewer Overflow* from the *Works*, including the date and duration of each overflow event, target interception rate achieved, the corresponding overflow rate and volumes;

(e) a summary of rainfall data from the closest rain gauge operated by the *Owner* covering the period of each overflow event identified in (a) above, the forty-eight (48) hours preceding and the seventy-two (72) hours following the overflow event;

(f) a description of any operating problems encountered and corrective actions taken;

(g) a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the *Works*;

(h) a summary of any effluent quality assurance or control measures undertaken in the reporting period;

(i) a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

(j) a summary of any complaints received during the reporting period and any steps taken to address the complaints; and

(k) any other information the *District Manager* requires from time to time.

(6) The *District Manager* may, from time to time, modify the information requested of the *Owner* and assigned to the annual performance report, the format of the annual performance report, and the reporting frequency.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This Condition is also included to emphasize the precedence of Conditions in the *Certificate* and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this *Certificate* the existence of this *Certificate*.
2. Condition 2 is included to ensure that the *Works* are constructed in a timely manner so that standards applicable at the time of Approval of the *Works* are still applicable at the time of construction, to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the *Ministry* records are kept accurate and current with respect to the approved works and to ensure that subsequent owners of the *Works* are made aware of the *Certificate* and continue to operate the *Works* in compliance with it.
4. Condition 4 is included to ensure that the *Works* are constructed in accordance with the approval and that record drawings of the *Works* "as constructed" are maintained for future references.
5. Condition 5 is included to require that the *Works* be properly operated, maintained, funded, staffed and equipped such that the environment is protected and deterioration, loss, injury or damage to any person or property is prevented. As well, inclusion ensures that a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the *Owner* and made available to the *Ministry*. Such a manual is an integral part of the operation of the *Works*. Its compilation and use should assist the *Owner* in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for *Ministry* staff when reviewing the *Owner's* operation of the *Works*.
6. Condition 6 is included to enable the *Owner* to evaluate and demonstrate the performance of the *Works*, on a continual basis, so that the *Works* are properly operated and maintained at a level which is consistent with the design objectives specified in the *Certificate* and that the *Works* minimizes any impairment to the receiving watercourse.
7. Condition 7 is included to provide a performance record for future references, to ensure that the *Ministry* is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this *Certificate*, so that the *Ministry* can work with the *Owner* in resolving any problems in a timely manner and to assess ongoing improvements to the *Combined Sewer System*.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;

5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 29th day of May, 2008

Mansoor Mahmood, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

HV/
c: District Manager, MOE Ottawa District Office
Adrien Comeau, P. Eng., Stantec Consulting Ltd.



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 2437-4H6R52

City of Ottawa
111 Sussex Drive, 7th Floor
Ottawa, Ontario
K1N 5A1

Site Location: Ivy Crescent
Ottawa City, Regional Municipality of Ottawa-Carleton

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

Storm and sanitary sewers to be constructed in the City of Ottawa, as follows:

STREET FROM TO

Ivy Cres. MacKay St. MacKay St.
(W. intersection) (E. intersection)

all in accordance with Plan No. 3192, prepared by the City of Ottawa.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

* Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 9th day of March, 2000

Dave Staseff, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

PW/
c: District Manager, MOE Ottawa District Office
P. Page, Clerk, City of Ottawa
M.J. Woollam, Clerk, R.M. of Ottawa-Carleton



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 0949-5P3Q8B

City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario
K1P 1J1

Site Location: Sussex Drive
Ottawa City, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm sewers to be constructed in the City of Ottawa, on Sussex Drive, all in accordance with the application from the City of Ottawa, dated June 4, 2003, including final plans and specifications prepared by Delcan Corporation.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 7th day of July, 2003

Karlene Chang
Director
Section 53, *Ontario Water Resources Act*

SH/

c: District Manager, MOE Ottawa
Pierre Page, Clerk, City of Ottawa
Wayne Bennet, P.Eng., City of Ottawa
Abdol Nouracyan, P.Eng., City of Ottawa
Alain Gregoire, P.Eng., Delcan Corporation
David A. Hearnden, P.Eng., Delcan Corporation



Ministry of the Environment
Ministère de l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 9099-7D3S8Y
Issue Date: March 27, 2008

City of Ottawa
100 Constellation Crescent, 6th Floor West
Ottawa, Ontario
K2G 6J8

Site Location: Keefer Street (Stanley Avenue to Crichton Street)
City of Ottawa, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm and sanitary sewers to be constructed in the City of Ottawa, on Keefer Street (from Stanley Avenue to Crichton Street);

all in accordance with application dated February 29, 2008, submitted by the City of Ottawa, including final plans and specifications prepared by Stantec Consulting Ltd.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, 15th Floor
Toronto, Ontario
M5G 1E5

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

CONTENT COPY OF ORIGINAL

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 27th day of March, 2008

Zafar Bhatti, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

DP/

c: District Manager, MOE Ottawa District Office

Fairouz Wahab, P.Eng, Stantec Consulting Ltd.

Lynn Raymond, City of Ottawa

Pierre Page, City Clerk and Director, Secretariat Services, City of Ottawa



Ministry
of the
Environment

Ministère
de
l'Environnement

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 4691-5UZQRC

Ontario

City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario
K1P 1J1

Site Location: South of Keefer & Stanley Streets Intersection
Ottawa City, Ontario

You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:

- one (1) custom design, in-ground two-cell biofilter, complete with internal irrigation system and drainage system, polyvinyl chloride piping and ductwork and all other accessories. Each cell of the biofilter has a length of 12 metres and a width of 10 metres, and has 2 layers of biofilter media. The first layer is an inorganic media layer comprising acid resistant rock for air distribution, and the second layer is an organic media layer of 115 cubic metres of biofilter media consisting of 100 per cent organic material composed of stabilized wood chips and composted organic material for biofiltration reactions to occur. The biofilter is used to control odorous sewer gases, exhausting into the atmosphere at a total maximum volumetric flow rate of 4.72 cubic metres per second, at 0.2 metre above grade;

all in accordance with the application for a Certificate of Approval (Air), dated August 14, 2003 and signed by Dave McCartney, P.Eng., and supporting information associated with the application.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

1. "Act" means the *Environmental Protection Act*;
2. "Certificate" means this Certificate of Approval issued in accordance with the Act;
3. "Company" means the City of Ottawa;
4. "District Manager" means the District Manager, Ottawa District Office, Eastern Region of the Ministry;
5. "Equipment" means the biofilter described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
6. "Facility" means the entire operation located on the property where the Equipment is located;
7. "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and
8. "Ministry" means the Ontario Ministry of the Environment.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

OPERATION AND MAINTENANCE

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) prepare, before commencement of operation of the Equipment, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

- (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the equipment suppliers;
- (b) emergency procedures;
- (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;
- (d) procedures for monitoring the performance of the biofilter;
- (e) procedures for recording and responding to environmental complaints relating to the operation of the Equipment;
- (f) all appropriate measures to minimize odour, noise and dust emissions from all potential sources from the Facility; and

(2) implement the recommendations of the operating and maintenance Manual.

NOTIFICATION OF COMPLAINTS

2. The Company shall notify the District Manager, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:

- (1) a description of the nature of the complaint; and
- (2) the time and date of the incident to which the complaint relates; and
- (3) the measures taken to address the cause of the complaint.

RECORD RETENTION

3. The Company shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this Certificate, and make these records available for review by staff of the Ministry upon request. The Company shall retain:

- (1) all records on the maintenance, repair and inspection of the Equipment; and
- (2) all records on the environmental complaints; including:
 - (a) a description, time and date of each incident to which the complaint relates;
 - (b) wind direction at the time of the incident to which the complaint relates; and
 - (c) a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

The reasons for the imposition of these terms and conditions are as follows:

- 1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.
- 2. Condition No. 2 is included to require the Company to notify staff of the Ministry so as to assist the Ministry with the review of the site's compliance.
- 3. Condition No. 3 is included to require the Company to keep records and to provide information to staff of the Ministry

so that compliance with the Act, the Regulations and this Certificate can be verified.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 0310-4U5JJN issued on April 3, 2001.

In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

The above noted works are approved under Section 9 of the Environmental Protection Act.

DATED AT TORONTO this 19th day of January, 2004

Victor Low, P.Eng.
Director
Section 9, *Environmental Protection Act*

RW/
c: District Manager, MOE Ottawa District Office
Nenad Knezev, P.Eng., MacViro Consultants Inc.



Ministry
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CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 9386-79ZRAJ
Issue Date: December 19, 2007

City of Ottawa
100 Constellation Crescent, 6th Floor
Ottawa, Ontario
K2G 6J8

Site Location: Avon Lane and MacKay Street
Ottawa City, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

replacement combined sewers to be constructed in the City of Ottawa, on Avon Lane (from Queen Victoria Street easterly to 85m west of Dufferin Road with 298m of 250mm diameter sanitary sewer); on Avon Lane (from 35m east of Queen Victoria Street easterly to 85m west of Dufferin Road with 14m of 300mm diameter storm sewer and 272m of 600mm diameter storm sewer); and replacement of sanitary sewers on MacKay Street (from Queen Victoria Street easterly 78m with 78m of 250mm diameter sanitary sewer);

all in accordance with the application from the City of Ottawa, dated December 07, 2007 including final plans and specifications prepared by Morrison Hershfield Limited.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 19th day of December, 2007

Mansoor Mahmood, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

RA/

c: District Manager, MOE Ottawa

Pierre Pagé, City Clerk, & Director, Secretariat Services, City of Ottawa

Ishwar Bhatia, P.Eng. City of Ottawa

Lynn Raymond, City of Ottawa



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CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 2742-5KSKYE

City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario
K1P 1J1

Site Location: Sussex Drive
Sussex Drive (King Edward Ave. to Mackay St.)
City of Ottawa,

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

relocation of storm sewers and installation of a stormwater management facility: oil/grit separator complete with all appurtenances to serve a portion of Sussex Drive, described as follows:

Storm Sewers

relocate the existing storm sewers on Sussex Drive as part of bridge/road improvement works;

Stormwater Management Facility: a oil/grit separator at MH-6, will be installed on the proposed storm sewer, at the outlet to Rideau River, to provide water quality control; and will have oil storage capacity of approximately 4150 litres and sediment storage capacity of approximately 23.45 cu.m;

all in accordance with the application for approval dated February 12, 2003, design brief and final drawings submitted by Delcan Corporation.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

(1) "Owner" means the Corporation of the City of Ottawa., its assignees and successors;

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

GENERAL CONDITIONS

1.1 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the works in accordance with the description given in this Certificate, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Certificate.

1.2 Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

2.1 The approval granted by this Certificate is based upon a review of the proposed works in the context of its effect on the environment, its process performance and principles of sanitary engineering.

2.2 The review did not include a consideration of the architectural, mechanical or structural components of the works except to the extent necessary to review the works as set out in the above paragraph.

3. The Owner shall ensure that, at all times, the works and related equipment and appurtenances which are installed or used to achieve compliance with this Certificate are properly operated and maintained and meet with the operation and maintenance requirements of the Municipality.

4. The Owner shall design, construct and operate the manhole oil/grit separator with the objective that no visible oil sheens occur in the effluent discharged from the manhole oil/grit separator.

OPERATION AND MAINTENANCE

5. The Owner shall carry out and maintain an annual inspection and maintenance program on the operation of the manhole oil/grit separator in accordance with the manufacturer's recommendation.

6.1 The Owner shall undertake an inspection of the condition of the stormwater management system, at least once a year, and undertake any necessary cleaning and maintenance to prevent the excessive buildup of sediment or debris.

6.2 The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken and shall keep the logbook available for inspection by the Ministry, upon request.

The reasons for the imposition of these terms and conditions are as follows:

1. Conditions 1 to 4 are imposed to ensure that the works are built and operated in the manner in which they were described for review and upon which approval was granted. These conditions are also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Conditions 5 to 6 are imposed to ensure that the oil/grit separator is operated and maintained in accordance with the manufacturer's recommendations.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;

2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 3rd day of April, 2003

Mohamed Dhalla, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

AM/
c: District Manager, MOE Ottawa
David Hearnden, P.Eng., Delcan Corporation



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CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 8765-4X8RFT

City of Ottawa
111 Sussex Drive, Seventh Floor
Ottawa, Ontario
K1N 5A1

Site Location: Avon Lane
Ottawa City, Regional Municipality of Ottawa, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm and sanitary sewers to be constructed in the City of Ottawa, Regional Municipality of Ottawa, on Avon Lane, all in accordance with the application from the City of Ottawa, dated May 22, 2001, including final plans and specifications prepared by the City of Ottawa.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Appeal Board
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 19th day of June, 2001

Yvonne Hall, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

DJ/
c: District Manager, MOE Ottawa
P. Page, Clerk, City of Ottawa
L. M. Erion, P. Eng., Erion & Assoc.



AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 3940-AMMP57

Issue Date: May 31, 2017

City of Ottawa
100 Constellation Dr
Nepean, Ontario
K2G 6J8

Site Location: South of Keefer & Stanley Streets Intersection
Lot 4, Concession Gore
Ottawa City

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

One (1) custom design, Granular Activated Carbon radial filter bed 3.35 meters in diameter and 2.44 meters in height, comprised of two (2) layers of activated carbon material media, each layer 0.38 meters deep and connected in series, completed with a mesh pad demister, a grease filter and an electric heater in a building enclosure, discharging into the air through a stack having a diameter of 0.67 metre, extending 9.4 metres above ground and 3.4 metres above the roof;

all in accordance with the application for an Environmental Compliance Approval (Air), dated March 23, 2016 and signed by Randy Dempsey, and supporting information including an Emission Summary and Dispersion Modelling Report prepared by CH2M Hill and dated March 23, 2016, and all other documentation associated with the application.

For the purpose of this environmental compliance approval, the following definitions apply:

1. *"Approval"* means this Environmental Compliance Approval, including the application and supporting documentation listed above;
2. *"Company"* means City of Ottawa, that is responsible for the construction or operation of the *Facility* and includes any successors and assigns;
3. *"District Manager"* means the District Manager of the appropriate local district office of the *Ministry*, where the *Facility* is geographically located;
4. *"EPA"* means the Environmental Protection Act, R.S.O. 1990, c.E.19, as amended;
5. *"Equipment"* means the equipment and processes described in the *Company's* application, this *Approval* and in the supporting documentation submitted with the application, to the extent approved by this *Approval*;
6. *"ESDM Report"* means the most current Emission Summary and Dispersion Modelling Report that describes the *Facility*. The *ESDM Report* is based on the original *ESDM Report*, which was prepared in accordance with section 26 of *O. Reg. 419/05* and the *Procedure Document* by CH2M Hill and dated March 23, 2016, submitted in support of the application, and includes any changes to the report made up to the date of issuance of this *Approval*;
7. *"Facility"* means the entire operation located on the property where the *Equipment* is located;
8. *"Manual"* means a document or a set of documents that provide written instructions to staff of the

Company;

9. "*Ministry*" means the ministry of the government of Ontario responsible for the *EPA* and includes all officials, employees or other persons acting on its behalf;
10. "*Procedure Document*" means *Ministry* guidance document titled "Procedure for Preparing an Emission Summary and Dispersion Modelling Report" dated February 2017, as amended; and
11. "*Publication NPC-300*" means the *Ministry* Publication NPC-300, "Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning, Publication NPC-300", August 2013, as amended.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. OPERATION AND MAINTENANCE

1. The *Company* shall ensure that the *Equipment* is properly operated and maintained at all times. The *Company* shall:
 - a. prepare, not later than three (3) months after the date of this *Approval*, and update, as necessary, a *Manual* outlining the operating procedures and a maintenance program for the *Equipment*, including:
 - i. routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the *Equipment* suppliers;
 - ii. emergency procedures, including spill clean-up procedures;
 - iii. procedures for any record keeping activities relating to operation and maintenance of the *Equipment*;
 - iv. all appropriate measures to minimize noise and odorous emissions from all potential sources; and
 - v. the frequency of inspection and replacement of the filter material in the *Equipment*;
 - b. implement the recommendations of the *Manual*.
2. The *Company* shall submit to the *District Manager* an updated *ESDM Report* which includes odour, based on the results of the performance testing of the *Equipment* conducted by the manufacturer, no later than six (6) months after the completion of the testing.

2. RECORD RETENTION

1. The *Company* shall retain, for a minimum of two (2) years from the date of their creation, all records and information related to or resulting from the recording activities required by this *Approval*, and make these records available for review by staff of the *Ministry* upon request. The *Company* shall retain:
 - a. all records on the maintenance, repair and inspection of the *Equipment*; and
 - b. all records of any environmental complaints, including:
 - i. a description, time and date of each incident to which the complaint relates;
 - ii. wind direction at the time of the incident to which the complaint relates; and
 - iii. a description of the measures taken to address the cause of the incident to which the complaint relates and to prevent a similar occurrence in the future.

3. NOTIFICATION OF COMPLAINTS

1. The *Company* shall notify the *District Manager*, in writing, of each environmental complaint within two (2) business days of the complaint. The notification shall include:
 - a. a description of the nature of the complaint; and
 - b. the time and date of the incident to which the complaint relates.

4. NOISE

1. The *Company* shall, at all times, ensure that the noise emissions from the *Facility* comply with the limits set out in *Ministry Publication NPC-300*.

- 5.
- 6.
- 7.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition No. 1 is included to emphasize that the *Equipment* must be maintained and operated according to a procedure that will result in compliance with the *EPA*, the Regulations and this *Approval*.
2. Condition No. 2 is included to require the *Company* to keep records and to provide information to staff of the *Ministry* so that compliance with the *EPA*, the Regulations and this *Approval* can be verified.
3. Condition No. 3 is included to require the *Company* to notify staff of the *Ministry* so as to assist the *Ministry* with the review of the site's compliance.
4. Condition No. 4 is included to provide the minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the *Facility*.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 1164-AK3S8L issued on March 10, 2017

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;

6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes
of Part II.1 of the Environmental
Protection Act
Ministry of the Environment and Climate
Change
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 31st day of May, 2017

Ian Greason, P.Eng.
Director
appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

BA/
c: District Manager, MOECC Ottawa
Channy Shen, CH2M Hill Canada Limited



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CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 7397-6RZNW7
Issue Date: August 2, 2006

Uniform Urban Developments Ltd.
117 Centrepoinde Drive, No. 300
Nepean, Ontario
K2G 5X3

Site Location: 25 Carsdale Avenue
Ottawa City, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm and sanitary sewers to be constructed in the City of Ottawa, on Carsdale Avenue and Easement (91 metres west of intersection of Beechwood Avenue and Carsdale Avenue), all in accordance with the application from Uniform Urban Developments Ltd., dated June 21, 2006, including final plans and specifications prepared by Stantec Consulting Limited.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 2nd day of August, 2006

Sarah Paul, P.Eng.

Director

Section 53, *Ontario Water Resources Act*

AG/

c: District Manager, MOE Ottawa

Udo Boehme, David McManus Engineering Ltd.

Jean Lachance, Program Manager, Infrastructure Approvals, City of Ottawa



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Catherine

Site Address:

119 Beechwood Ave Ottawa ON

Project No:

20180418141

Opta Order ID:

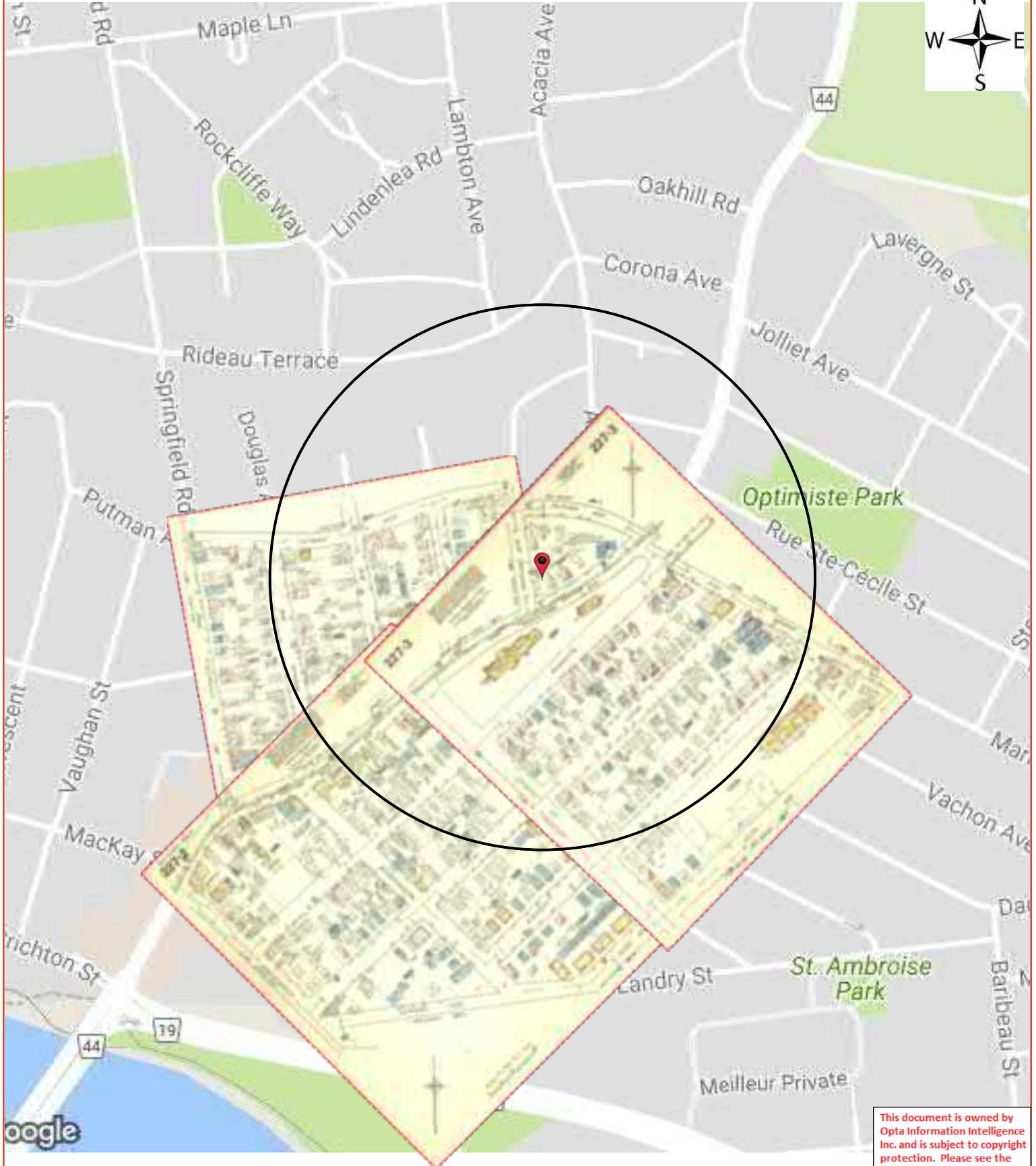
48124

Requested by:

Eleanor Goolab
Eris

Date Completed:

4/26/2018 7:18:49 AM



Opta Historical Environmental Services EnviroscanTM Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

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

Report Index

Project #: 20180418141
P.O. #: CP180056

Requested by:
Eleanor Goolab
Date Completed: 04/26/2018 07:18:49

OPTA INFORMATION INTELLIGENCE

Page	Report Title
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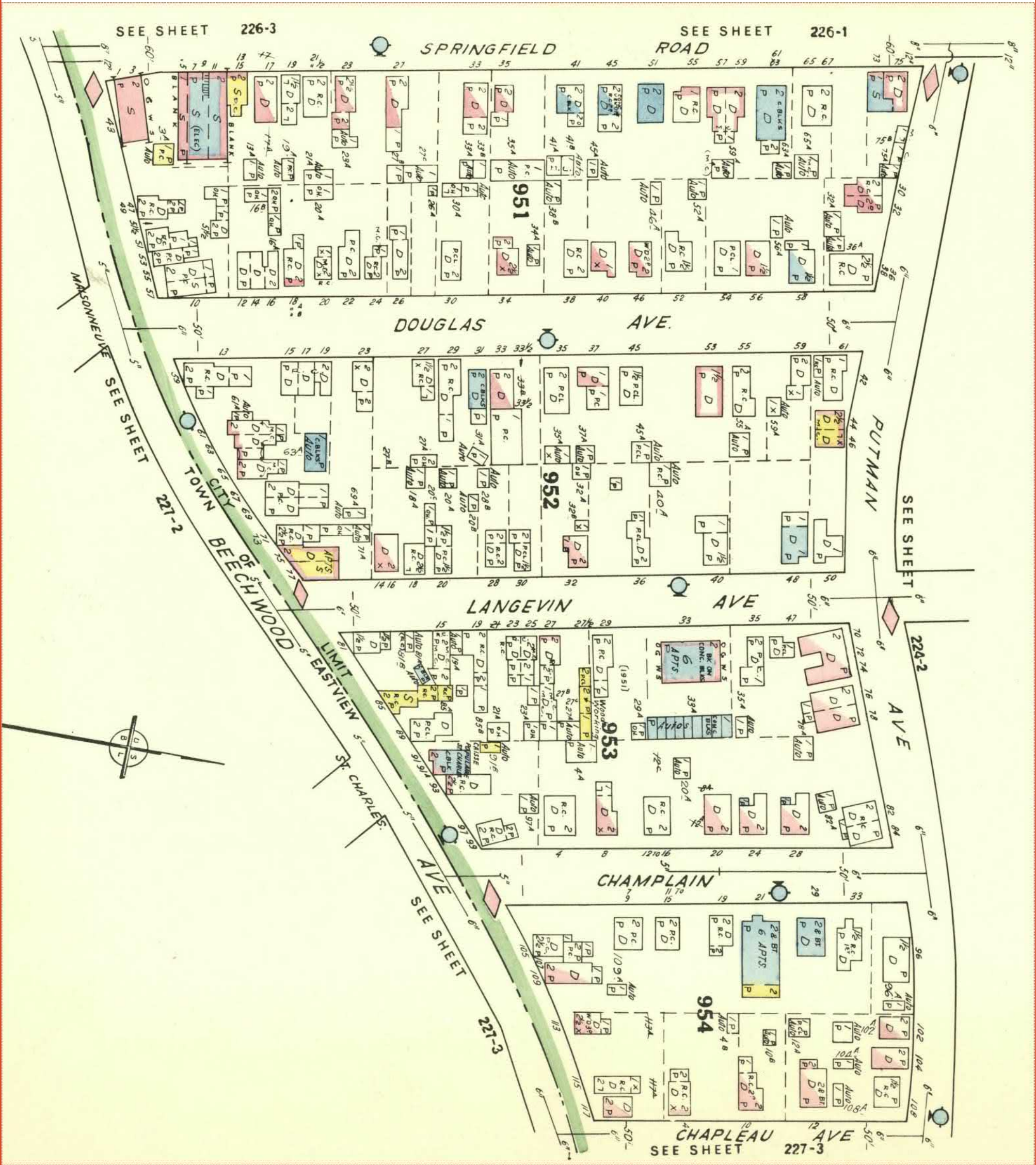
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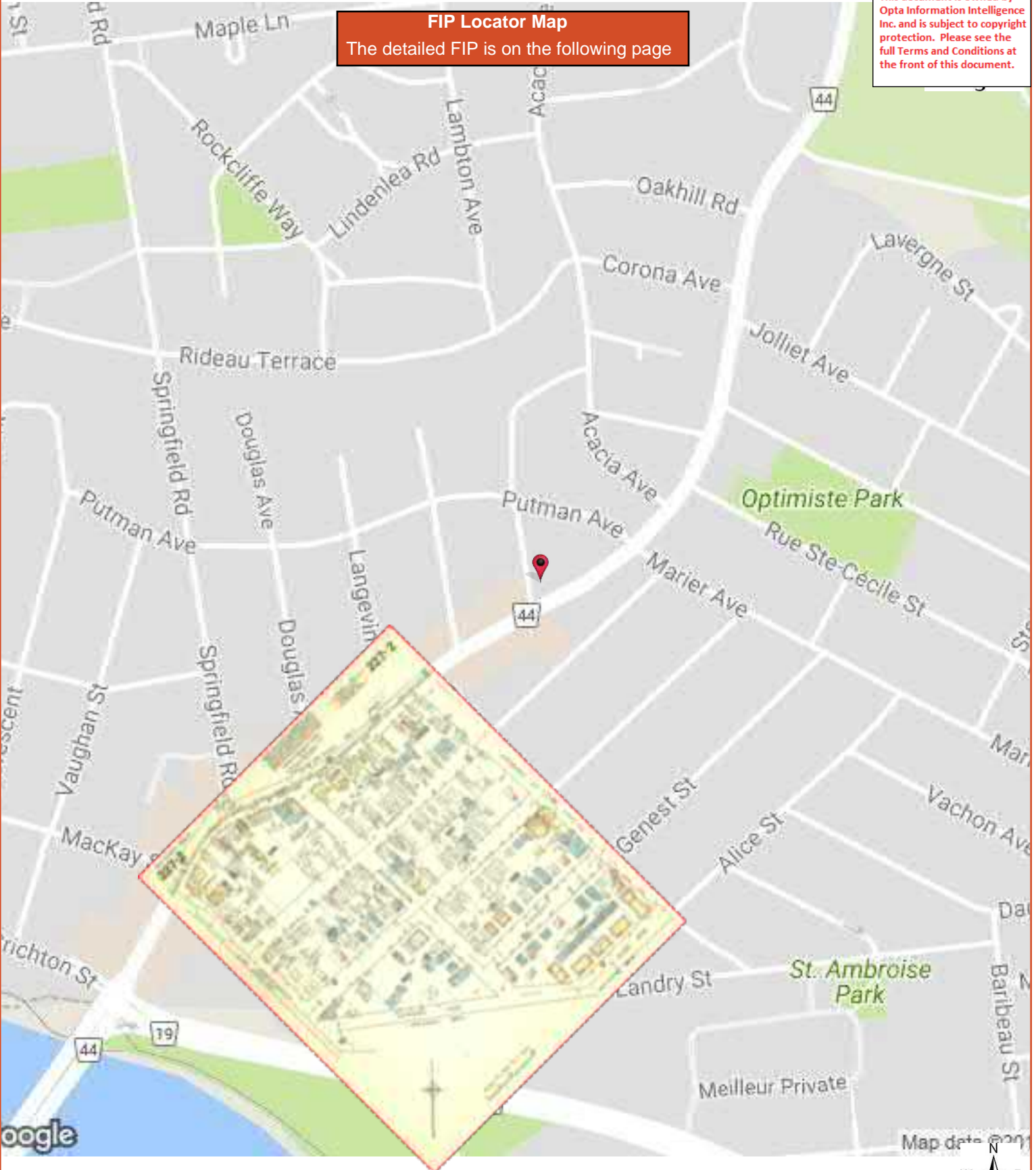
FIP Locator Map

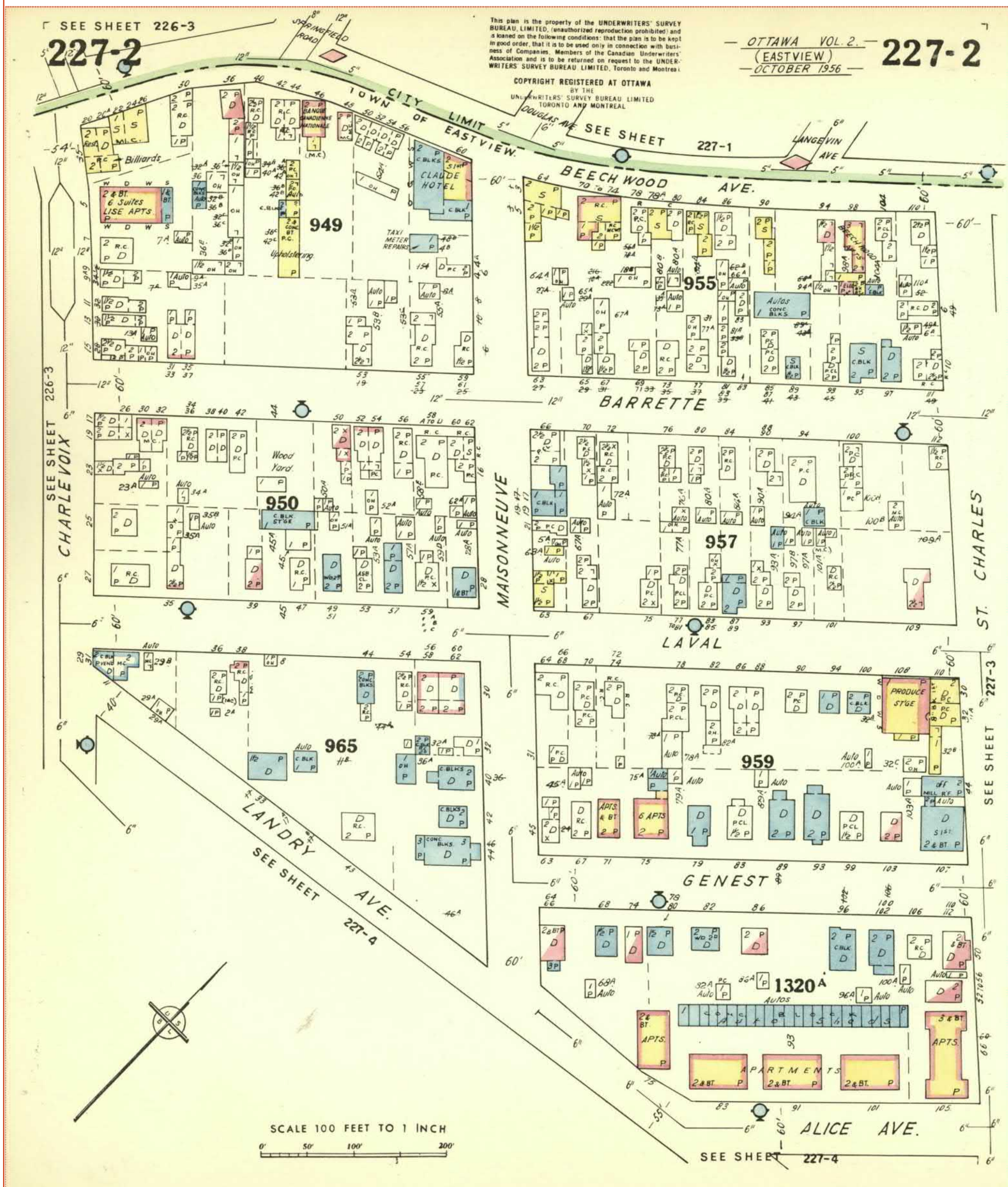
The detailed FIP is on the following page



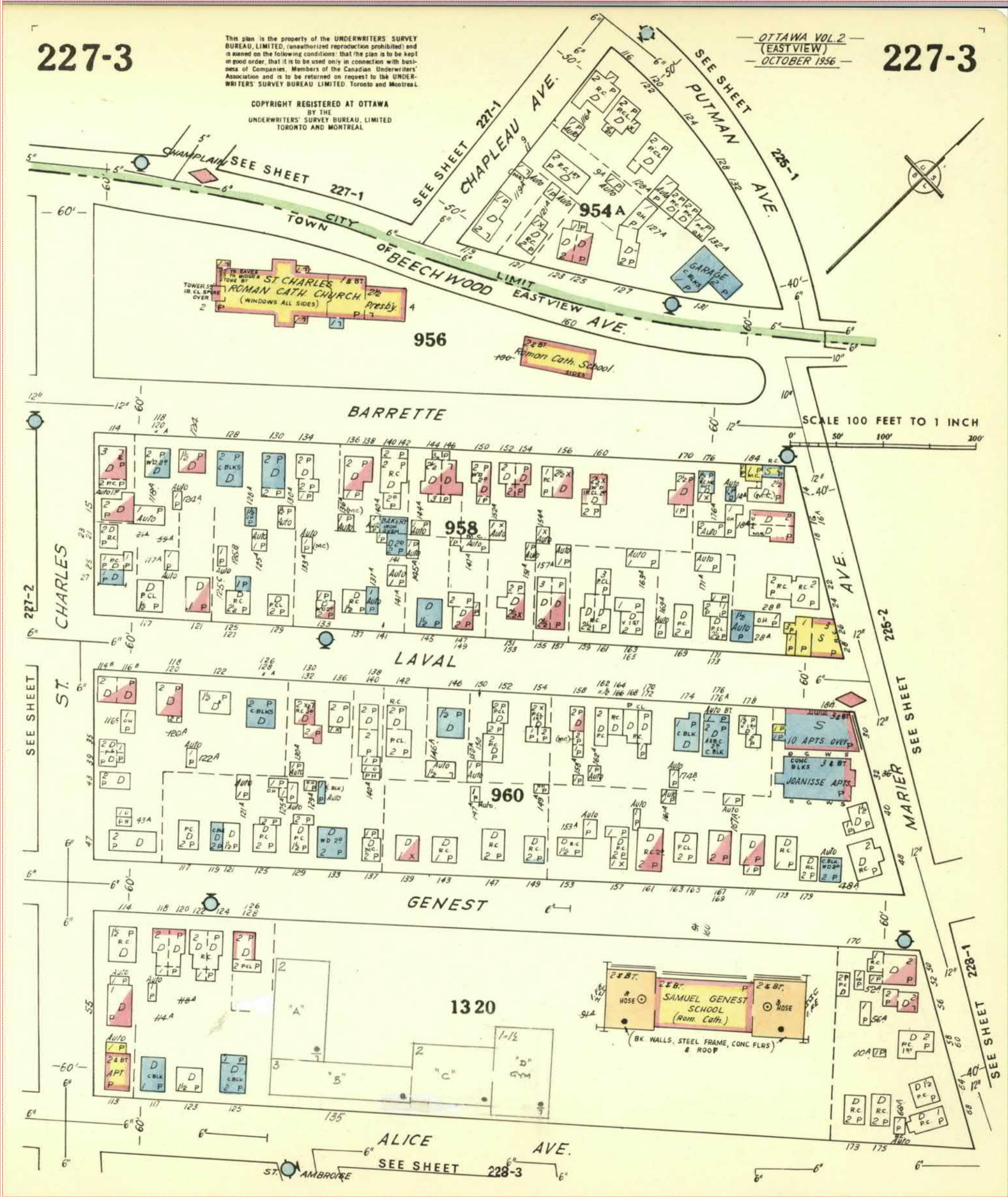


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City Directory Information Source
Vernon's Ottawa and Area, Ontario, City Directory

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 2011	
Site Listing:	-Glants Gerald Dr
Adjacent Properties:	
115 Beechwood Avenue	-Single Tenant Residential
117 Beechwood Avenue	-Isobels Cupcakes & Cookies
121 Beechwood Avenue	-Kidsensations-Aii Inc
123 Beechwood Avenue	-Scouts De L'est De L'Ontario -Groupe Simoncic-Gagnon

127 Beechwood Avenue	-Eastern Ontario Youth Justice Agency
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Single Tenant Residential

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 2005/06	
Site Listing:	-Glants Gerald Dr -Balestra Productions Inc
Adjacent Properties:	
115 Beechwood Avenue	-Single Tenant Residential
117 Beechwood Avenue	-Department of Software -Video Mondo
121 Beechwood Avenue	-Single Tenant Residential

123 Beechwood Avenue	-Scouts De L'est De L'Ontario
127 Beechwood Avenue	-The Co-operators -Day Edward a Dr -Lentini Anthony C Dr
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Single Tenant Residential
9 Chapleau Avenue	-Single Tenant Residential
10 Chapleau Avenue	-Single Tenant Residential

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 2002/03	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Single Tenant Residential
117 Beechwood Avenue	-Video Mondo

121 Beechwood Avenue	-Single Tenant Residential
123 Beechwood Avenue	-Scouts De L'est De L'Ontario
127 Beechwood Avenue	-Zimola Construction Ltd -Single Tenant Residential
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Single Tenant Residential
9 Chapleau Avenue	-Single Tenant Residential
10 Chapleau Avenue	-Single Tenant Residential

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1997	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	
115 Beechwood Avenue	-Single Tenant Residential
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Single Tenant Residential
123 Beechwood Avenue	-Scouts De L'est De L'Ontario
127 Beechwood Avenue	-Single Tenant Residential
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Single Tenant Residential
9 Chapleau Avenue	-Single Tenant Residential
10 Chapleau Avenue	-Single Tenant Residential

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1991	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Address Not Listed
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Address Not Listed
123 Beechwood Avenue	-Address Not Listed
127 Beechwood Avenue	-Address Not Listed
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Address Not Listed

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1984	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Address Not Listed
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Address Not Listed
123 Beechwood Avenue	-Address Not Listed
127 Beechwood Avenue	-Address Not Listed
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Address Not Listed

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1979	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Address Not Listed
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Address Not Listed
123 Beechwood Avenue	-Address Not Listed
127 Beechwood Avenue	-Address Not Listed
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Address Not Listed

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1974	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Address Not Listed
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Address Not Listed
123 Beechwood Avenue	-Address Not Listed
127 Beechwood Avenue	-Address Not Listed
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Address Not Listed

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1969	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Address Not Listed
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Address Not Listed
123 Beechwood Avenue	-Address Not Listed
127 Beechwood Avenue	-Address Not Listed
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Address Not Listed

PROJECT NUMBER: 20180418141	
Site Address:	119 Beechwood Avenue, Ottawa, Ontario
Year: 1964	
Site Listing:	-Address Not Listed
Adjacent Properties:	
115 Beechwood Avenue	-Address Not Listed
117 Beechwood Avenue	-Address Not Listed

121 Beechwood Avenue	-Address Not Listed
123 Beechwood Avenue	-Address Not Listed
127 Beechwood Avenue	-Address Not Listed
170 Beechwood Avenue	-Address Not Listed
2 Chapleau Avenue	-Address Not Listed
9 Chapleau Avenue	-Address Not Listed
10 Chapleau Avenue	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as "residential" with the number of tenants. The name of the residential tenant is not listed in the above city directory

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



APPENDIX C – CORRESPONDENCE

April 18, 2018

Ministry of the Environment and Climate Change
Ottawa District Office
103-2430 Don Reid Drive
Ottawa ON K1H 1E1

Re: Freedom of Information Request (FOI)

Civic Address: 119 and 121 Beechwood Avenue

Legal Description:

119 Beechwood Avenue: West part of Lot 17, Plan 74 in the City of Ottawa (PIN 04225-0157)

121 Beechwood Avenue: East part of Lot 17, Plan 74 in the City of Ottawa (PIN 04225-0156)

Dear Sir/Madam,

We have been authorized to perform a Phase I Environmental Site Assessment (ESA) for the above-noted property located in Ottawa, Ontario. As part of the ESA we are required to review past environmental occurrences on the subject property. In order to perform this part of the research, we would like to enquire as to whether or not your office has any record of Orders, Approvals or other documentation pertaining to this property.

Thank you in advance for all of your assistance with this request.

If you have any further questions or require further clarification, please do not hesitate to contact the undersigned.

Yours Truly,



Dan Arnott, P.Eng.

Ext. 2295

d.arnott@mcintoshperry.com

CP-18-0056 - Request to MOE for Orders and Approvals..docx

February 14, 2018

Ministry of the Environment and Climate Change
Freedom of Information Office
40 St. Clair Avenue West, 12th Floor
Toronto, ON M4V 1M2

Re: Freedom of Information Request (FOI)
Civic Address: 119 and 121 Beechwood Avenue
Legal Description:
119 Beechwood Avenue: West part of Lot 17, Plan 74 in the City of Ottawa (PIN 04225-0157)
121 Beechwood Avenue: East part of Lot 17, Plan 74 in the City of Ottawa (PIN 04225-0156)

Dear Sir/Madam,

Please find enclosed a freedom of information request pertaining to the above-noted site. A credit card payment form for the Freedom of Information Request fee is enclosed. Please mail or fax our office any information regarding this site.

If you have any further questions, please do not hesitate to contact the undersigned.

Yours Truly,



Dan Arnott, P.Eng.

Ext. 2295

d.arnott@mcintoshperry.com

CP-18-0027 - MOE Freedom of Information Request .docx

Bradley Sutherland

From: Mark Kaluski <mark@hashmark.ca>
Sent: May 7, 2018 2:20 PM
To: Bradley Sutherland
Subject: Re: 110 Beechwood Ave Service

we do our cleaning on site.

On Mon, May 7, 2018 at 11:57 AM, Bradley Sutherland <b.sutherland@mcintoshperry.com> wrote:

Hi Mark,

We are doing a Phase 1 Environmental Site Assessment for a property in the area of your 110 Beechwood Ave location. I just had a quick question for you, do you dry clean on-site at this location or are they sent to an off-site depot to be cleaned?

Regards,

Bradley Sutherland

Environmental Scientist

[115 Walgreen Road](#), R.R. 3, Carp, ON K0A 1L0

T. (613) 836-2184 (ext 2283) | **F.** (613) 836-3742

b.sutherland@mcintoshperry.com | www.mcintoshperry.com

McINTOSH PERRY

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Bradley Sutherland

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: May 1, 2018 2:21 PM
To: Bradley Sutherland
Subject: RE: Records for Site in Ottawa - No Record Found

No Record Found (Fuel Storage Tanks only)

Hello,

Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Kind regards,

Connie

From: Bradley Sutherland <b.sutherland@mcintoshperry.com>
Sent: May 1, 2018 1:58 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Records for Site in Ottawa

Dear Sir/Madam

We are preparing a Phase 1 Environmental Site Assessment (ESA) for two properties located in Ottawa, Ontario

Civic Address: 119 & 121 Beechwood Avenue

Legal Description: West Part of Lot 17, Plan 74 in the City of Ottawa PIN, 04225-0157 & East Part of Lot 17, Plan 74 in the City of Ottawa, PIN 04225-0156

These address are adjacent to one another.

We trust the above is satisfactory. However, please do not hesitate to contact me if you have any questions.

Regards,

Bradley Sutherland

Environmental Scientist

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. (613) 836-2184 (ext 2283) | F. (613) 836-3742

b.sutherland@mcintoshperry.com | www.mcintoshperry.com

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Regards,

Bradley Sutherland

Environmental Scientist

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. (613) 836-2184 (ext 2283) | **F.** (613) 836-3742

b.sutherland@mcintoshperry.com | www.mcintoshperry.com

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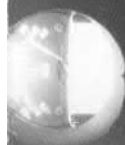
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



APPENDIX D – AERIAL PHOTOGRAPHS







1950

A13083-138



1965

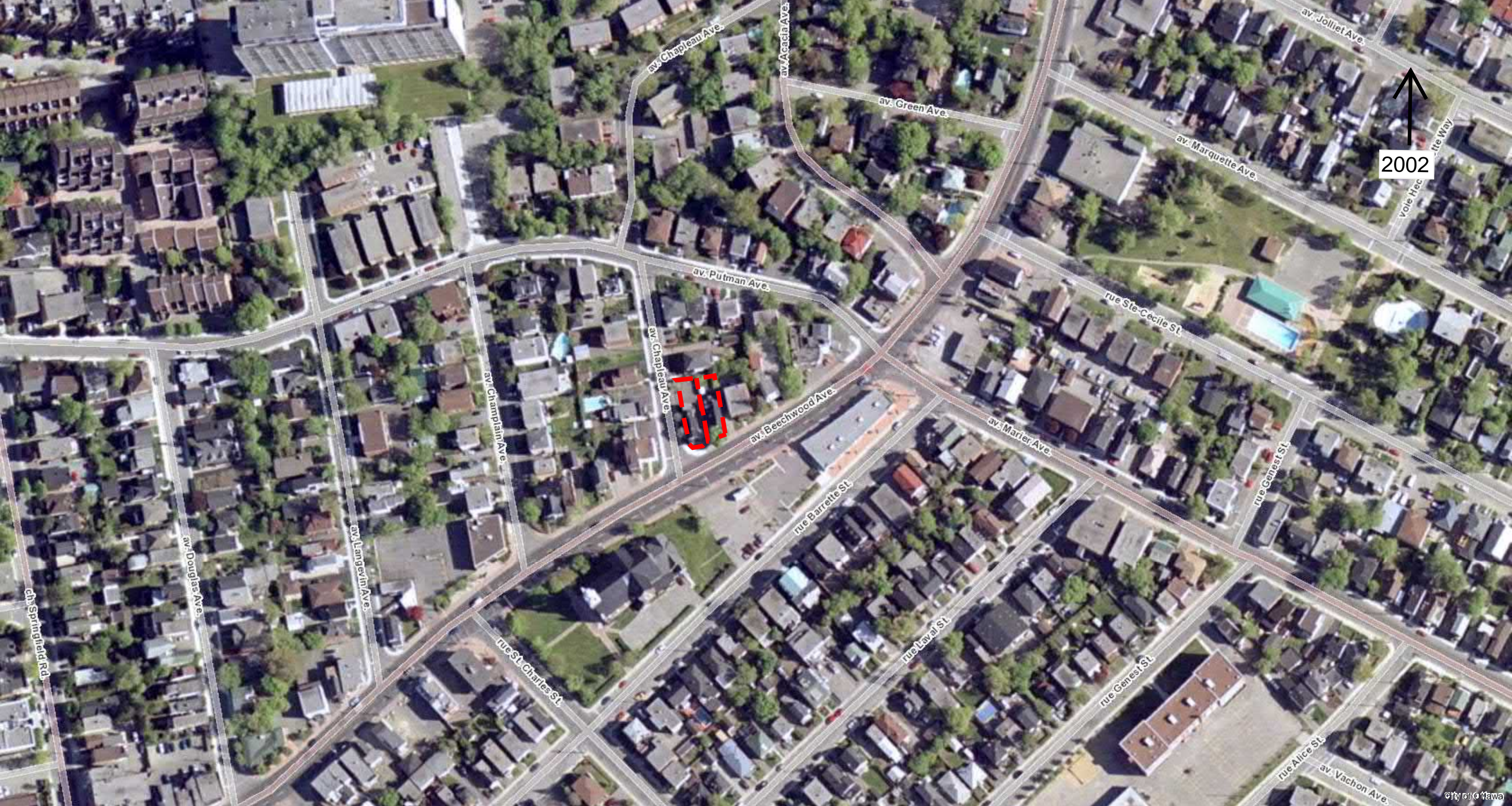
1 5 9

1978





1991



av. Chapleau Ave.

av. Acadia Ave.

av. Green Ave.

av. Joliet Ave.

av. Marquette Ave.

2002

voie Hec
tte Way

av. Putman Ave.

av. Chapleau Ave.

33

av. Beechwood Ave.

rue Ste-Cecile St.

av. Marier Ave.

rue Genest St.

rue Barrette St.

av. Douglas Ave.

av. Languevin Ave.

rue St. Charles St.

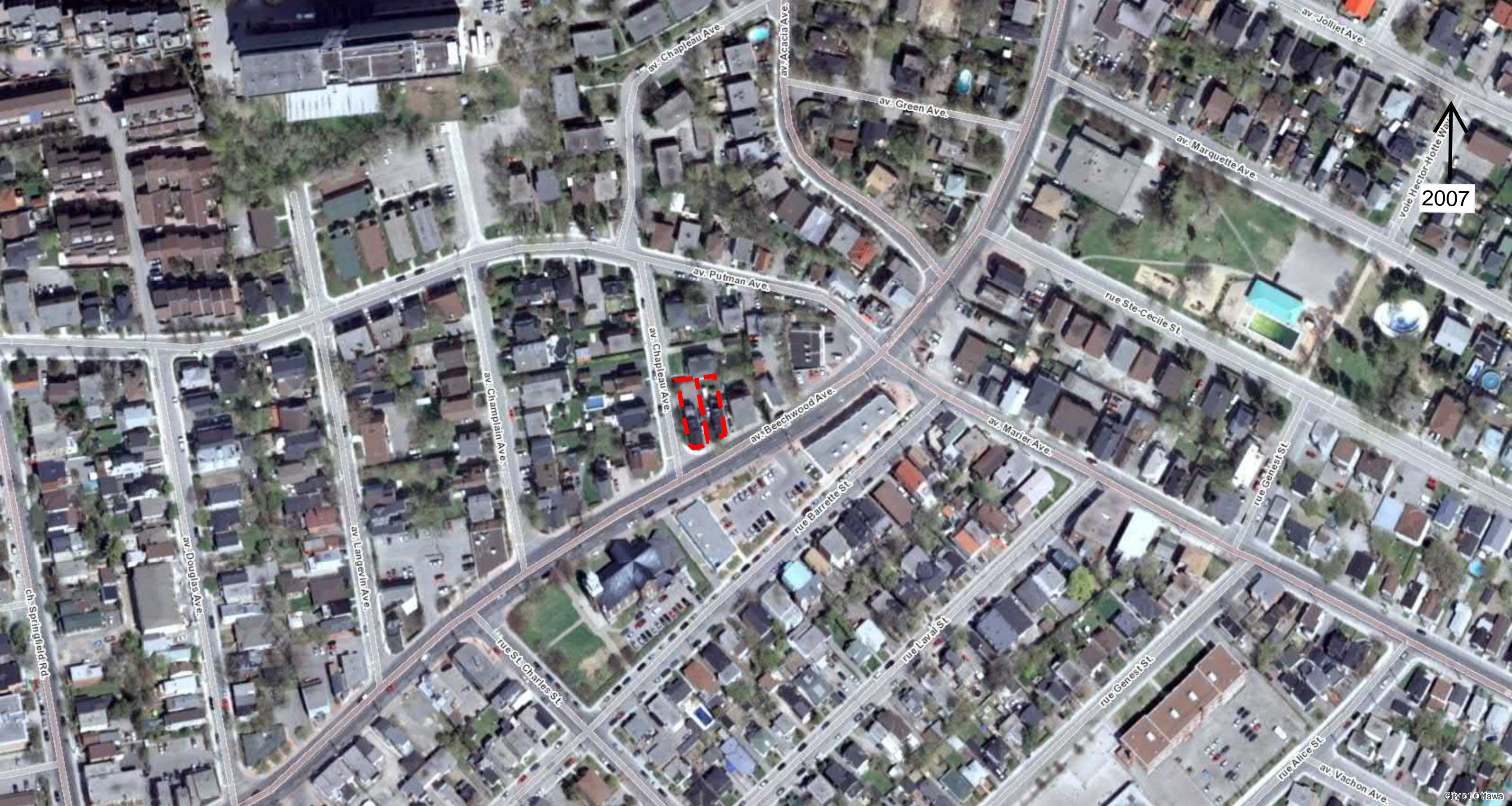
rue Laval St.

rue Genest St.

rue Alice St.

av. Vachon Ave.

Ch. Springfield Rd.



av. Chapleau Ave.

av. Acadia Ave.

av. Green Ave.

av. Joliet Ave.

av. Marquette Ave.

↑
2007
voie Hector-Hotte Way

av. Putman Ave.

av. Chapleau Ave.

Red dashed outline of a property

av. Beechwood Ave.

rue Ste-Cecile St.

av. Marier Ave.

rue Genest St.

rue Barrette St.

rue Laval St.

rue Genest St.

rue Alice St.

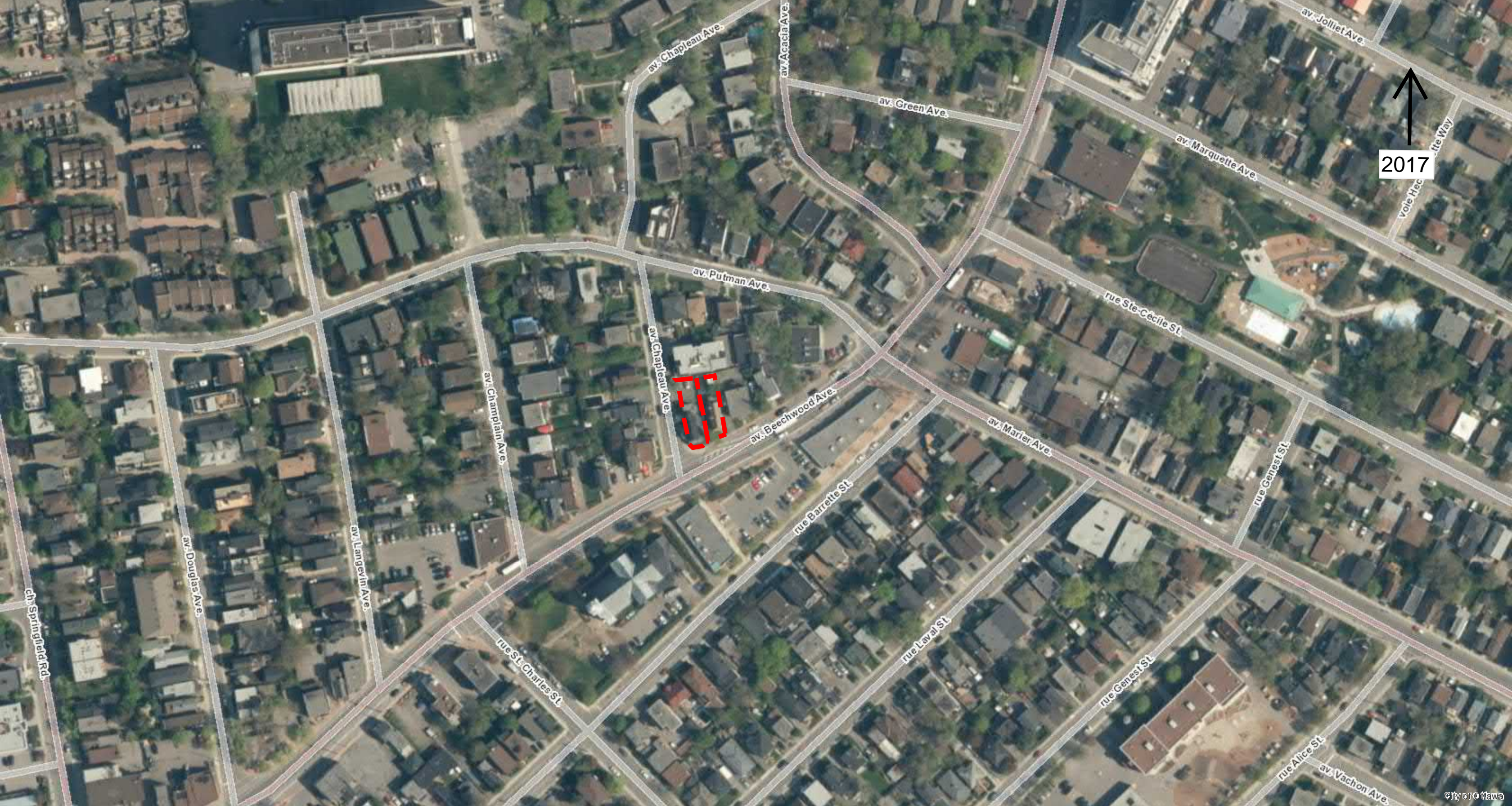
av. Vachon Ave.

rue St-Charles St.

av. Langevin Ave.

av. Douglas Ave.

ch. Springfield Rd.



2017



PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



APPENDIX E – INTERVIEW RECORDS

Phase I ESA Interviews

Interviewer (MPCE) Bradley SutherlandMPCE Project No. CP-17-0613Interview Dr. Corina BuehnerRelationship to Subject Property Owner Time Associated with Property: _____Date May 2, 2018Date Property was developed no knowledge.

Potential Item of Concern	Interview Comments
Accidents/Spills	no knowledge.
Previous Use of Site	office.
Adjacent Properties	office, retail, residential
Fuel Handling/Storage	no knowledge.
Maintenance/Operational Areas	no knowledge.
Hazardous Materials Storage	no knowledge.
Soil Storage	no knowledge.
Fuel Storage Tanks	no knowledge.

Odours	no knowledge
Potable Water	yes.
Septic and Wastewater Discharges	no
Pesticides	no knowledge
Mould	no knowledge
Heating and Cooling Systems	natural gas furnace.
Major Mechanical Equipment	natural gas furnace, hot water tank.
Waste Oils, Solvents, Batteries	no knowledge
PCBs	no knowledge
Asbestos	no knowledge
Lead Paint	no knowledge
ODS	no knowledge
Electromagnetic Radiation	no knowledge

LEP1	no knowledge.
Mercury	no knowledge
Radon Gas	no knowledge
Soil and Groundwater Conditions	no knowledge.
Wells	no knowledge.
Waste Disposal and Recycling	no knowledge.
Fill Material	no knowledge.
Floor Drains/DWS (discharge locations)	no knowledge
Other	no

Future use of property: Office.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 119 – 121 BEECHWOOD AVENUE, OTTAWA, ON



APPENDIX F – SITE PHOTOGRAPHS



Photo 1: Front exterior of Site, facing northwest from Beechwood Avenue.

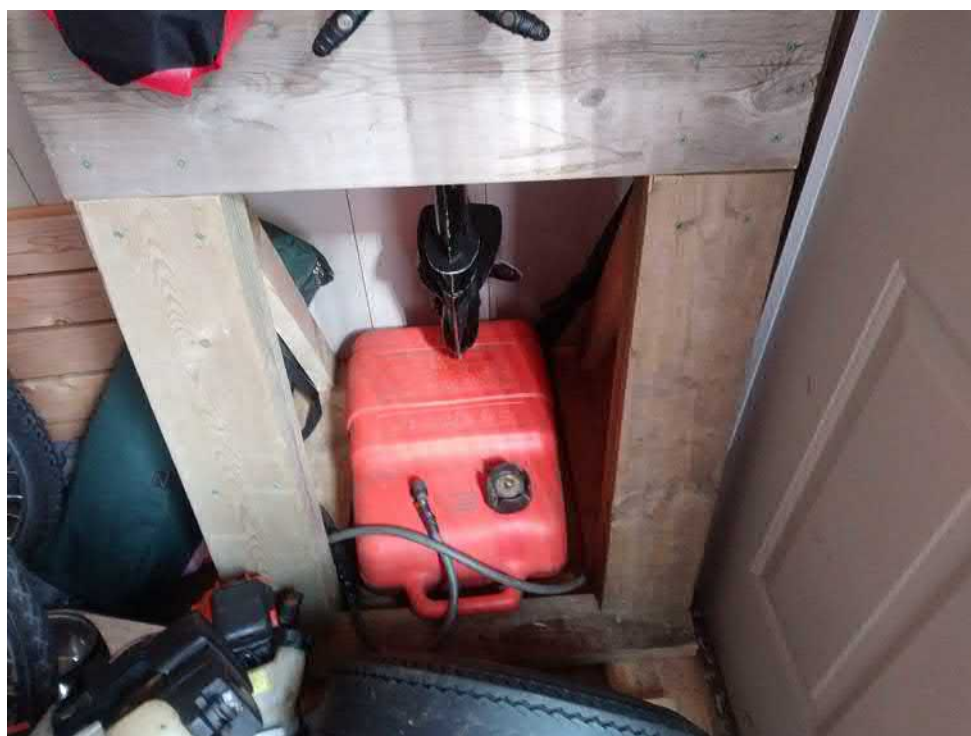


Photo 2: Small marine engine fuel tank, norther most shed behind 121 Beechwood Avenue.



Photo 3: Gas furnace, basement of 121 Beechwood Avenue.



Photo 4: Large amount of floor buffing chemical stored in basement of 121 Beechwood Avenue.



Photo 5: Ash clean out port adjacent to gas furnace in basement of 121 Beechwood Avenue.

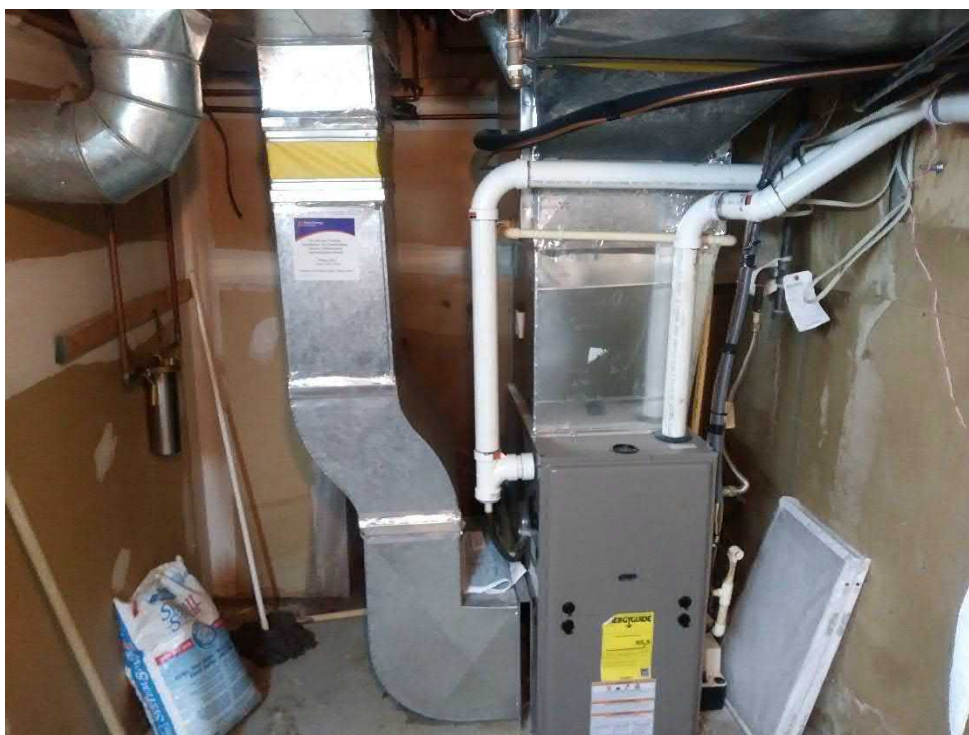


Photo 6: Gas furnace in basement of 119 Beechwood Avenue.



Photo 7: Apparent mould substance on basement door of 119 Beechwood Avenue.



Photo 8: Automotive garage at 188 Beechwood Avenue, facing south from Beechwood Avenue.

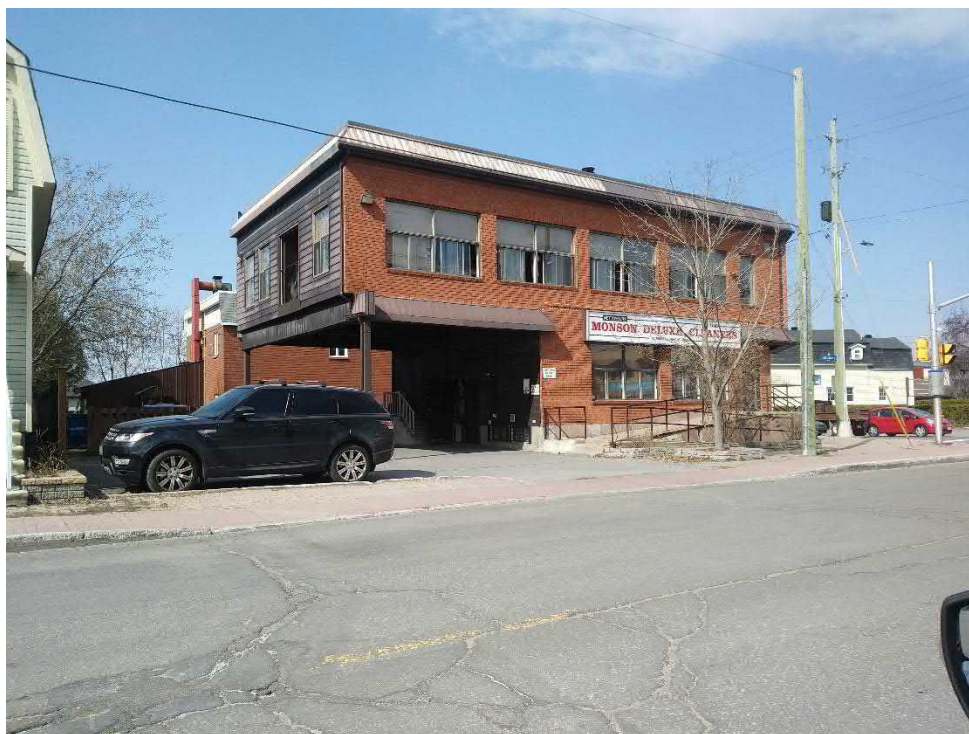


Photo 9: Dry cleaning operation at 110 Beechwood Avenue that cleans cloths on-site.