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## **Phase I Environmental Site Assessment**

180 Metcalfe Street  
Ottawa, Ontario

**Prepared For**

Jadco Group

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## **EXECUTIVE SUMMARY**

### **Assessment**

Paterson Group was retained by the Jadco Group to conduct a Phase I Environmental Site Assessment (Phase I-ESA) of 180 Metcalfe Street, in the City of Ottawa, Ontario. The purpose of this Phase I – Environmental Site Assessment was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject properties.

Based on historical searches, the property was first developed in 1928 with the present day building. The property appeared to have been occupied by residential dwelling prior to that.

Surrounding properties historically consisted of commercial, residential and institutional properties. Several potentially contaminating activities were identified within the Phase I-ESA study area. None of these potentially contaminating activities were considered to represent areas of potential environmental concern for the subject site.

Following the historical review, a site visit was conducted. The site is currently occupied by a six storey office building. The remainder of the property is occupied by a surface parking lot, and a small booth used by the parking lot attendant. Neighbouring properties are occupied by residential, commercial or institutional buildings. No off-site PCAs resulting in APECs on the subject site were identified.

### **Recommendations**

As per the recommendations included in our Phase II-ESA, a soil remediation program will be required as part of site redevelopment activities.

Prior to site redevelopment, the monitoring wells should be abandoned according to Ontario Regulation 903. Until redevelopment, the wells should be kept intact in the event that further groundwater sampling is required.

## **1.0 INTRODUCTION**

At the request of the Jadco Group, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for 180 Metcalfe Street, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Mr. Andre Doudak. Jadco Group's offices are located at 345 Samson Boulevard, Suite 100, Laval, Quebec. Mr. Doudak can be reached by phone 450-681-7000.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all our findings and results of the environmental conditions at this site.

This Phase I-ESA report has been prepared in general accordance with the requirements of Ontario Regulation 153/04 as amended by O.Reg. 269/11 (Environmental Protection Act), and also complies with the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.



## **2.0 PHASE I PROPERTY INFORMATION**

Address:	180 Metcalfe Street, Ottawa, Ontario.
Legal Description:	Lots 47, 48 and 49, South Nepean Street, Registered Plan 2996, in the City of Ottawa.
Property Identification Number:	04115-0258.
Location:	The subject site is located in the southwest corner of the Metcalfe Street and Nepean Street intersection, in Ottawa, Ontario.
Latitude and Longitude:	45° 25' 07" N, 75° 41' 38" W;
<b>Site Description:</b>	
Configuration:	Rectangular.
Site Area:	1,827 m <sup>2</sup> (based on survey plan).
Zoning:	R5B, residential.
Current Use:	The subject site is currently occupied by six storey office building and a surface parking lot.
Services:	The subject site is located in a municipally serviced area.

### **3.0 SCOPE OF INVESTIGATION**

The scope of work for this Phase I – Environmental Site Assessment was as follows:

- Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases and regulatory agencies;
- Investigate the existing conditions present at the subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01;
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

## **4.0 RECORDS REVIEW**

### **4.1 General**

#### **Phase I-ESA Study Area Determination**

A radius of approximately 250 m was determined to be appropriate as a Phase I ESA study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

#### **First Developed Use Determination**

Based on a Cultural Heritage Impact Assessment, prepared by Robertson Martin Architects in 2014, the subject building, known as the Medical Arts building, was constructed in 1928, however, the subject property was occupied by a residential dwelling prior to that, constructed as early as 1901. The first developed use of the subject site is considered to be 1901.

#### **Fire Insurance Plans**

Fire Insurance Plans from 1901, 1922, 1955 and 1963 were reviewed for the area of the subject site and surrounding properties.

In 1901, the subject property was occupied by two residential dwellings and storage sheds. Surrounding properties were primarily residential or institutional. No environmental concerns were noted.

In 1922, no changes were made to the subject property, with the exception of the removal of some storage sheds. No significant changes were made to surrounding properties.

In 1955 the subject property was occupied by the Medical Arts Building in the eastern portion of the subject site, and a parking lot on the western portion of the site. Surrounding properties are predominantly residential. A printers is listed at 86 Gloucester Street, approximately 80 m to the north, northwest. The printers is considered to be a Potentially Contaminating Activity, however due to the separation distance from the subject site, it is not considered to have created an APEC on the subject site.

No changes were made to the subject site in the 1963 FIP, however, a boiler is clearly shown in the western wing of the building. No significant changes have been made to the subject site.

No environmental concerns were noted in a search of the above fire insurance plans.

### City of Ottawa Street Directories

City directories at the National Archives were reviewed in approximate 10 year intervals from 1900 to 2010 as part of the Phase I ESA. The directories indicated that the subject site has been occupied by offices. The directories did not identify any PCAs at the subject site however, several Potentially Contaminating Activities were identified within the Phase I study area. A summary of Potentially Contaminating Activities in the Phase I study area is provided in the table below.

<b>Table 1: City Directories – Potentially Contaminating Activities in Phase I Study Area</b>			
<b>Address</b>	<b>Listed Activity (years listed)</b>	<b>Distance / Orientation from site</b>	<b>APEC (Y/N)</b>
160 Elgin Street	Cleaners – Hillary Cleaners (2011), Parker Clean Laundry and Cleaning (1981-1992)	130 m east	N
161 Elgin Street	Cleaners – Bee-Clean Inc. (2011)	130 m east	N
224 Elgin Street	Parker's Cleaners and Dryers (1961-1966)	200 m southeast	N
125 Elgin Street	Chinese laundry (1911)	220 m east	N
196 Elgin Street	Lynch Bernard J. Service Station (1966-1971); Hiscox & Ferguson Service Station (1941-1955)	150 m east	N
170 Elgin Street	Elgin Service Station (1955-1961); Champlain Oil Products Ltd. Service station(1950-1955); La Grave Service Station (1950)	170 m northeast	N
Corner of Nepean on South Side	Champlain Oil products ltd. Service station (1931)	180 m east	N
99 Metcalfe Street	Brown's Cleaners (2000/2001)	230 m north	N
170 Metcalfe Street	Sunny Cleaners and Alterations (2010)	17 m north	N
170 Metcalfe Street	Hillary Cleaning (2000/2001)	17 m north	N

**Table 1: City Directories – Potentially Contaminating Activities in Phase I Study Area**

Address	Listed Activity (years listed)	Distance / Orientation from site	APEC (Y/N)
154 O'Connor Street	Shell Canada Products (2010) Bytown Towing/AutoCare Ltd/Shell Canada Products (1984-2000); O'Connor Service centre ( 1970); Parker Robert L Service Station (1950-1960); Theriault Gerald Service Station (1950); Ayearst Bruce Service Station (1940)	130 m west	N
133 O'Connor	Lloyd's Service Station (1950); McKee Regd Auto Service Station (1940)	200 m northwest	N
15 Gloucester Street	Dick's Garage (1959)	180 m northeast	N
114 Gloucester Street	Kent Hand Laundry (1969-1988)	95 m west	N
174 Gloucester Street	Cash Cleaners/ Dry Cleaning (1988-1989)	230 m west	N
100 Gloucester Street	EAS Illustrations printing (1979)	55 m north	N
86 Gloucester Street	Lo-Mor Printers Ltd (1959-1969)	50 m west	N
171-175 Nepean Street	EAS Illustrations and printers Ltd (1988-1989); Lowe-Martin Co Ltd printers (1916-1957)	230 m west	N
146 Nepean Street	Mousou's Deluxe Dry Cleaning (1949-1959)	171 m southwest	N
82-88 Slater Street	Ottawa Hydro Electric Sub Station (1950-1982)	230 m north	N
92 Slater Street	Ottawa Hydro Electric Sub Station (1921-1930)	230 m north	N
94 Slater Street	Shepard Service Auto Garage (1940); Allard's Garage (1930)	230 m north	N
141 Laurier Avenue West	Laurier Cleaners and Custom Tailoring (2010)	205 northeast	N
227 Laurier Avenue West	Center City Cleaners (1992)	190 m north	N
235 Laurier Avenue West	Esquire Cleaners (1969)	190 m north	N

Several dry cleaners, gas stations, automotive service garages and printing operations were identified as Potentially Contaminating Activities in the Phase I study area. However, based on the separation distance and/or down-gradient or cross-gradient location of these properties with respect to the subject site, these properties are not considered to represent Areas of Potential Environmental Concern.

### **Property Ownership**

Based on a chain of title included in a past report (Exp, 2013) the subject property was most recently owned by Toth Equity Limited.

### **Plan of Survey**

A topographical plan dated November 4, 2013, prepared by Annis, O'Sullivan, Vollebakk Ltd., was reviewed as part of this Phase I-ESA. The subject property is shown as Lots 47, 48 and 49 (South Nepean Street), of Registered Plan 2996, in the City of Ottawa. A copy of the Plan of Survey is provided in Appendix 1.

## **4.2 Environmental Source Information**

### **Environment and Climate Change Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on June 6, 2018. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

### **PCB Inventory**

A search of national PCB waste storage sites was conducted. No PCB waste storage sites were identified on the subject site. One storage site was identified approximately 160 m south of the subject site at 225 Metcalfe Street. Based on the separation distance from the subject site, the PCB storage site is not considered to pose an environmental concern.

### **Ontario Ministry of Environment (MOECC) Instruments**

A request was submitted to the MOECC Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MOECC issued instruments for the site. At the time of issuance of this report, a response had not been received.

A copy of the response will be forwarded to the client, should it contain any pertinent information.

### **MOECC Coal Gasification Plant Inventory**

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No coal gasification plants were identified within the Phase I study area.

### **MOECC Incident Reports**

A request was submitted to the MOECC Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MOECC for the site or adjacent properties. At the time of issuance of this report, a response had not been received. A copy of the response will be forwarded to the client, should it contain any pertinent information.

Note that a search was conducted in 2013 for the Phase I-ESA prepared by exp. Results of this search indicated that a generator number was created for the property in 1996. It is unclear in the report what occurred on the property.

### **MOECC Waste Management Records**

A request was submitted to the MOECC Freedom of Information office for information with respect to waste management records. At the time of issuance of this report, a response had not been received. A copy of the response will be forwarded to the client, should it contain any pertinent information.

Note that a search was conducted in 2013 for the Phase I-ESA prepared by exp. Two waste registration documents were included in the search. The first, dating from 1991, included photographic fixer and developer containing silver, associated with an imaging consultant and a second, dating from 1995, pertaining to pathological waste from a medical laboratory. Neither of these are considered to have created APECs on the subject site.

### **MOECC Submissions**

A request was submitted to the MOECC Freedom of Information office for information with respect to reports related to environmental conditions have been submitted to the MOECC. At the time of issuance of this report, a response had not been received. A copy of the response will be forwarded to the client, should it contain any pertinent information.

### **MOECC Brownfields Environmental Site Registry**

A search of the MOECC Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Record of Site Condition (RSC) was found for the subject site or the surrounding properties.

### **MOECC Waste Disposal Site Inventory<sup>744</sup>**

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No former waste disposal sites were identified within the Phase I study area.

### **Areas of Natural Significance Interest (ANSI)**

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on June 6, 2018. The search did not reveal any natural features or areas of natural significance within the Phase I study area.

### **Technical Standards and Safety Authority (TSSA)**

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on June 6, 2018 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. No records were found within the TSSA database. A copy of the TSSA response has been included in the Appendix.

### **City of Ottawa Landfill Document**

The document entitled "Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa", was reviewed. No former waste disposal sites were located within the Phase I study area.

### **City of Ottawa Historical Land Use Inventory**

A search of the City's Historical Land Use Inventory (HLUI 2005) database for the subject property was conducted as part of the Exp Phase I-ESA conducted in 2013. Paterson reviewed the HLUI search results.



Five entries were listed under the subject property. These included a motion picture laboratory and video production facility, a cleaning contractor's office, medical laboratory, a publisher/printer, and a photography studio.

The activities listed on the subject site are not considered to pose a concern to the subject site.

Activities identified on adjacent properties are located within office buildings to the east, northeast and north of the subject site. Among the activities listed were dry cleaners located in the building to the north across Nepean Street, and the building to the north east. Based on our knowledge of the study area, these dry cleaner activities are considered to be drop-off locations, and not cleaning facilities. Furthermore, the off-site activities are located cross-gradient and down-gradient from the subject site (based on groundwater flow directions calculated as part of Paterson's Phase II-ESA).

### **Previous Engineering Reports**

Paterson has conducted several studies on the subject site, as well as the surrounding properties.

In 1998, Paterson prepared a Phase II-ESA on the subject site, which identified the presence of impacted soil resulting from an abandoned buried oil tank on the property. Later that year, Paterson supervised the removal of the buried tank and approximately 107 metric tonnes of impacted soil.

Recently, Paterson prepared a Phase II-ESA on the subject property, which consisted of the placement of five boreholes, three of which were instrumented with groundwater monitoring wells. One borehole/monitoring well was placed within the former remedial excavation and buried tank area, while the others were placed for general coverage.

Based on analytical testing conducted as part of the recent Phase II-ESA, impacted fill material was identified within the parking lot area. No impacts were identified in the groundwater, and no impacts were noted in the soil/groundwater in the area of the former tank. As a result, the former buried tank is only considered to be a potentially contaminating activity, and not an area of potential environmental concern.

Paterson also recently completed a Designated Substance Survey on the subject building, which identified the presence of asbestos containing pipe insulation. Other materials, such as the plaster and parging walls and ceilings, were not found

to be asbestos containing. Several of the common paint colours (notably beige and off-white) were found to contain elevated lead concentrations.

## **4.3 Physical Setting Sources**

### **Aerial Photographs**

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

1928	The subject site is occurred by two residential dwellings. Surrounding properties appear to be occupied by residential dwellings.
1950	The present-day building can be seen on the subject site. The remainder of the property appears to be used for surface parking. No significant changes appear to have been made to the surrounding properties.
1969	No changes have been made to the subject site. Several large buildings (offices or apartments) have been constructed on surrounding properties to the north and south, and further to the east and west.
1978	No changes have been made to the subject site. The property to the east is now vacant and used as surface parking. The property to the northeast has been developed with two office buildings.
1984	No significant changes appear to have been made to the subject property or surrounding sites.
1990	No significant changes appear to have been made to the subject property or surrounding sites.
2011	(City of Ottawa Website) No significant changes appear to have been made to the subject property or surrounding properties with the exception of the property to the east, which appears to be undergoing preliminary site redevelopment activities.
2017	(City of Ottawa Website) No significant changes have been made to the subject site. The property to the east has been redeveloped with a building covering half of that city block.

A building on the property to the north has been demolished and construction activities can be observed.

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

### **Topographic Maps**

Topographic maps were obtained from Natural Resources Canada - The Atlas of Canada website. The topographic maps indicate that the subject site slopes downward slightly to the east, and slopes downward further to the north. No environmental concerns were identified on the topographic mapping. An illustration of the referenced topographic map is present on Figure 2 - Topographic Map following the body of this report.

### **Physiographic Maps**

A Physiographic Map was reviewed from the Natural Resources Canada - The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: "The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The subject site is located in the Central St. Lawrence Lowland, "where the land is rarely more than 150 m above sea level, except for the Monteregion Hills, which consist of intrusive igneous rocks.

### **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of shale of the Billings formation. Based on the maps, the thickness of overburden ranges from 10 to 25 m. Overburden consists of offshore marine sediments.

### **Water Well Records**

A search of the MOECC's web site for all drilled well records within 250 m of the subject site was conducted on June 6, 2018. The search identified nineteen records in the study area, however several records were related to common properties, resulting in a total of 6 records. Two well records were identified on the subject site. These two wells were drilled on April 12, 2014, and represent monitoring wells installed by Exp in 2014 during their geotechnical investigation. The remaining well records pertained to wells located to the east, one to the south, and a cluster to the west.

The monitoring well records have been attached in Appendix 2, with the exception of the well records on the subject site, as they are only digital entries.

### **Water Bodies and Areas of Natural Significance**

There are no waterbodies, areas of natural and scientific interest on the subject property or within the study area.

## **5.0 INTERVIEWS**

### **Property Owner Representative**

The property's maintenance staff was interviewed during a site visit conducted on the property. Paterson was informed about the tank which had been removed several years earlier. The staff indicated that the building is equipped with two cable operated elevators, however only one remains in use. Reportedly, many of the fluorescent lights have been retrofit with newer fluorescent units as part of a government grant program, however some older fixtures may still exist in unused parts of the building.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

The site assessment was conducted on May 25, 2018. Weather conditions were sunny, with a temperature of approximately 25 °C. Mr. Adrian Menyhart from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site assessment.

### **6.2 Specific Observations at the Phase I Property**

#### **Buildings and Structures**

The subject site is occupied by a six storey office building. Half of the building is occupied by a fitness studio and offices while the other half is vacant. Since the site is also used as a paid parking lot, a small attendant's booth is located along Nepean Street.

The building, constructed in 1928, is brick clad, with a flat roof, constructed on a concrete foundation.

The building is heated by a natural gas fired boiler, located in the basement. A hydro vault (inaccessible) and a former incinerator were located in the basement

### **Site Features**

The subject site is primarily occupied by the subject building or paved with asphaltic concrete. Very limited amounts of vegetation (grass and trees) occupy the site. Adjacent properties are approximately at grade with respect to the subject site. Site drainage consists of runoff towards catch basin along Nepean Street to the north and Metcalfe Street to the east.

### **Below Ground Structures**

No below ground structures were found at the time of the site visit, aside from utilities (natural gas, sewer and water) and previously described building basement.

### **Potable Water Source**

The subject property and neighbouring sites are municipally serviced.

### **Potential Environmental Concerns**

#### ☐ **Groundwater Monitoring Wells**

Currently, three groundwater monitoring wells are located on the subject property. These were installed in April 2018 as part of a Phase II-ESA conducted by Paterson. Three additional monitoring wells, installed in 2014 by Exp, are reportedly present on the property however were not observed during the site visit.

#### ☐ **Underground Utilities**

Underground utilities were located as part of the Phase II-ESA. A natural gas main runs across the subject property, along the north property line and parallel to Nepean Street. A gas service branches from the main and enters the rear of the subject building. Buried telephone lines also travel along the north property line. A second telephone conduit travels along the west property line to a utility box in the southwest corner of the property. Municipal water service enters the property from the eastern side of the site.

#### ☐ **Ground Surface**

The ground surface across the majority of the property consists primarily of asphaltic concrete. A small grassy area is located in the northeast corner of the property, and some trees are located along the south property line. The vegetation did not appear to be stressed or discoloured. No significant signs of staining were noted on the paved surfaces.

☐ **Railway Lines**

No railway lines were observed on the subject site or within the Phase I ESA study area.

☐ **Polychlorinated Biphenyls (PCBs) and Transformer Oil**

No transformers or potential sources of PCBs were noted during the Phase I-ESA site visit, with the exception of older fluorescent light ballasts observed in the basement of the building. The ballasts would not have caused an environment concern on the subject site.

☐ **Unidentified Substances**

There were no unidentified substances on the exterior of the subject property at the time of this assessment.

☐ **Waste Storage and Disposal**

The site currently generates non-hazardous waste and recyclable materials. Waste is stored in bins at the back of the building and collected on a regular basis.

**Interior Assessment**

A general assessment of the building interior is as follows:

- ☐ The floors consisted predominantly concrete and terrazzo.
- ☐ The walls and ceilings consisted of lathe and plaster.
- ☐ Lighting throughout the building was observed to be predominantly provided by fluorescent fixtures.

Heat is provided via a central natural gas fired boiler located in the basement. There is no central air conditioning in the building; cooling is provided by individual window mounted units. A sump pit is located in the boiler room, however no water was noted at the time.

### **Potentially Hazardous Building Products**

☐ **Ozone Depleting Substances (ODSs)**

Refrigerators, fire extinguishers and air conditioning units may be potential sources of ozone depleting substances (ODSs) on site. These appliances should be regularly serviced and maintained by certified contractors.

☐ **Potentially Hazardous Building Materials and Designated Substances**

A designated substance survey was conducted in May 2018. Asbestos-containing pipe fitting insulation was identified in the building, as well as lead-containing paints.

### **Other Potential Environmental Concerns**

☐ **Storage Tanks**

No signs of aboveground or underground fuel storage tanks were noted at the time of the site visit.

☐ **Wastewater Drainage**

Wastewater drainage from the building is expected to drain into the City of Ottawa sewer system.

### **Neighbouring Properties**

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site was as follows:

- ☐ North - Nepean Street followed by residential tower (under construction) and residential tower with ground floor commercial.
- ☐ South - Residential apartment building followed by Lisgar Street.
- ☐ East - Metcalfe Street followed by residential condominium building;
- ☐ West - Residential apartment buildings.

No PCAs were identified on the subject site or adjacent properties during the site visit. Property use within the Phase I study area is shown on Drawing PE4280-7 - Surrounding Land Use Plan.

## 7.0 REVIEW AND EVALUATION OF INFORMATION

### 7.1 Land Use History

The following table indicates the current and past uses of the site as well as associated potentially contaminating activities dating back to the first developed use of the site.

<b>Table 2: Land Use History</b>			
<b>Time Period</b>	<b>Land Use</b>	<b>Potentially Contaminating Activities</b>	<b>Areas of Potential Environmental Concern</b>
Prior to 1928	Residential	None	None
1928 – Present	Commercial (offices)	None	None

#### **Potentially Contaminating Activities (PCAs)**

A total of 26 Potentially Contaminating Activities (PCAs) outside of the subject property but within the Phase I study area were identified, however, all of these PCAs are located downgradient from the subject site, and/or located at a significant distance from the property. As a result, none of the off-site PCAs are considered to have created APECs on the subject site.

Two PCAs were identified on the subject property; the former underground fuel oil tank location, and the presence of poor quality fill material. The poor quality fill is considered to have created an APEC across the parking lot of the site.

No soil or groundwater impacts were noted in the borehole located within the former underground fuel oil tank location during the recent Phase II-ESA, and therefore it is not considered to have resulted in the creation of an APEC on the subject site. It does however remain a potentially contaminating activity.



## Areas of Potential Environmental Concern (APEC)

<b>Table 3: Areas of Potential Environmental Concern</b>					
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern with respect to Phase I Property	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
180 Metcalfe Street	Below parking lot	Importation of Fill Material of Unknown Quality Item 30, Table 2, O.Reg. 153/04 as amended by O.Reg. 269/11.	On-Site	Metals	Soil

## Contaminants of Potential Concern (CPC)

- ☐ Metals – Lead and mercury were identified above the site standard in the soil fill beneath the parking lot at the subject site during the Phase II-ESA.

## 7.2 Conceptual Site Model

### Geological and Hydrogeological Setting

Based on borehole information collected during the Phase II-ESA, site conditions consist primarily of fill material, over glacial till and black shale. Shale bedrock was confirmed at depths ranging between 12.9 and 15.3 m below grade.

### Contaminants of Potential Concern

Contaminants of concern are metals in the fill.

### Existing Buildings and Structures

The subject site is occupied by a six storey office building. A small structure located in the parking lot serves as a parking lot attendant's booth.

### Water Bodies

There are no waterbodies on the subject property or within the study area.

### Areas of Natural Significance

There are no areas of natural and scientific interest on the subject property or within the study area

### **Drinking Water Wells**

No drinking water wells were identified in the study area.

### **Neighbouring Land Use**

Neighbouring land use in the Phase I study area consists of commercial, residential and institutional. Land use is shown on Drawing PE4280-7 Surrounding Land Use Plan.

### **Potentially Contaminating Activities and Areas of Potential Environmental Concern**

As per Section 7.1 of this report, the only APEC on the subject site is related to the presence of poor quality fill in the parking lot area. The former buried tank location was considered to be an APEC during the Phase II-ESA conducted by Paterson in May 2018, however based on findings of that report, no impacts were encountered, and as such, the former tank location is no longer considered to be an APEC.

### **Assessment of Uncertainty and/or Absence of Information**

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are areas of potential environmental concern on the subject site which have the potential to have impacted the subject site. The presence of potentially contaminating activities was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

## **8.0 CONCLUSIONS**

### **Assessment**

Paterson Group was retained by the Jadco Group to conduct a Phase I Environmental Site Assessment (Phase I-ESA) of 180 Metcalfe Street, in the City of Ottawa, Ontario. The purpose of this Phase I – Environmental Site Assessment was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject properties.

Based on historical searches, the property was first developed as early as 1901 with the present day building, however the present-day building was constructed in 1928. The property appeared to have been occupied by residential dwelling prior to that.

Surrounding properties historically consisted of commercial, residential and institutional properties. Several potentially contaminating activities were identified within the Phase I-ESA study area. None of these potentially contaminating activities were considered to represent areas of potential environmental concern for the subject site.

Following the historical review, a site visit was conducted. The site is currently occupied by a six storey office building. The remainder of the property is occupied by a surface parking lot, and a small booth used by the parking lot attendant. Neighbouring properties are occupied by residential, commercial or institutional buildings. No off-site PCAs resulting in APECs on the subject site were identified.

### **Recommendations**

As per the recommendations included in our Phase II-ESA, a soil remediation program will be required as part of site redevelopment activities, to address the impacted fill.

Prior to, or in conjunction with, site redevelopment, the monitoring wells should be abandoned according to Ontario Regulation 903. Until redevelopment, the wells should be kept intact in the event that further groundwater sampling is required.

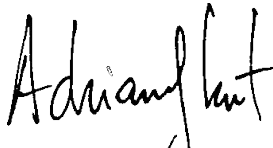
## 9.0 STATEMENT OF LIMITATIONS

This Phase I - Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04 as amended by O.Reg. 269/11, and meets the requirements of CSA Z768-01. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I - ESA are based on a review of readily available geological, historical and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Jadco Group. Permission and notification from the above noted party and Paterson will be required to release this report to any other party.

### **Paterson Group Inc.**



Adrian Mervhart, P.Eng.



Mark S. D'Arcy, P.Eng.



### **Report Distribution:**

- Jadco Group (5 copies)
- Paterson Group (1 copy)

---

## **10.0 REFERENCES**

### **Federal Records**

Air photos at the Energy Mines and Resources Air Photo Library.  
National Archives.  
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).  
Natural Resources Canada – The Atlas of Canada.  
Environment Canada, National Pollutant Release Inventory.  
PCB Waste Storage Site Inventory.

### **Provincial Records**

MOECC Freedom of Information and Privacy Office.  
MOECC Municipal Coal Gasification Plant Site Inventory, 1991.  
MOECC document titled “Waste Disposal Site Inventory in Ontario”.  
MOECC Brownfields Environmental Site Registry.  
Office of Technical Standards and Safety Authority, Fuels Safety Branch.  
MNR Areas of Natural Significance.  
MOECC Water Well Inventory.  
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

### **Municipal Records**

City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.  
The City of Ottawa Historical Land Use Inventory.  
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.  
The City of Ottawa geoOttawa website.

### **Local Information Sources**

Plan of Survey - Annis, O’Sullivan, Vollebekk Ltd., 2013.  
“Phase I Environmental Site Assessment, 180 Metcalfe Street, Ottawa, Ontario” prepared by exp Services Inc., December 19, 2013.  
Personal Interviews.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE4280-6 – SITE PLAN**

**DRAWING PE4280-7 – SURROUNDING LAND USE PLAN**



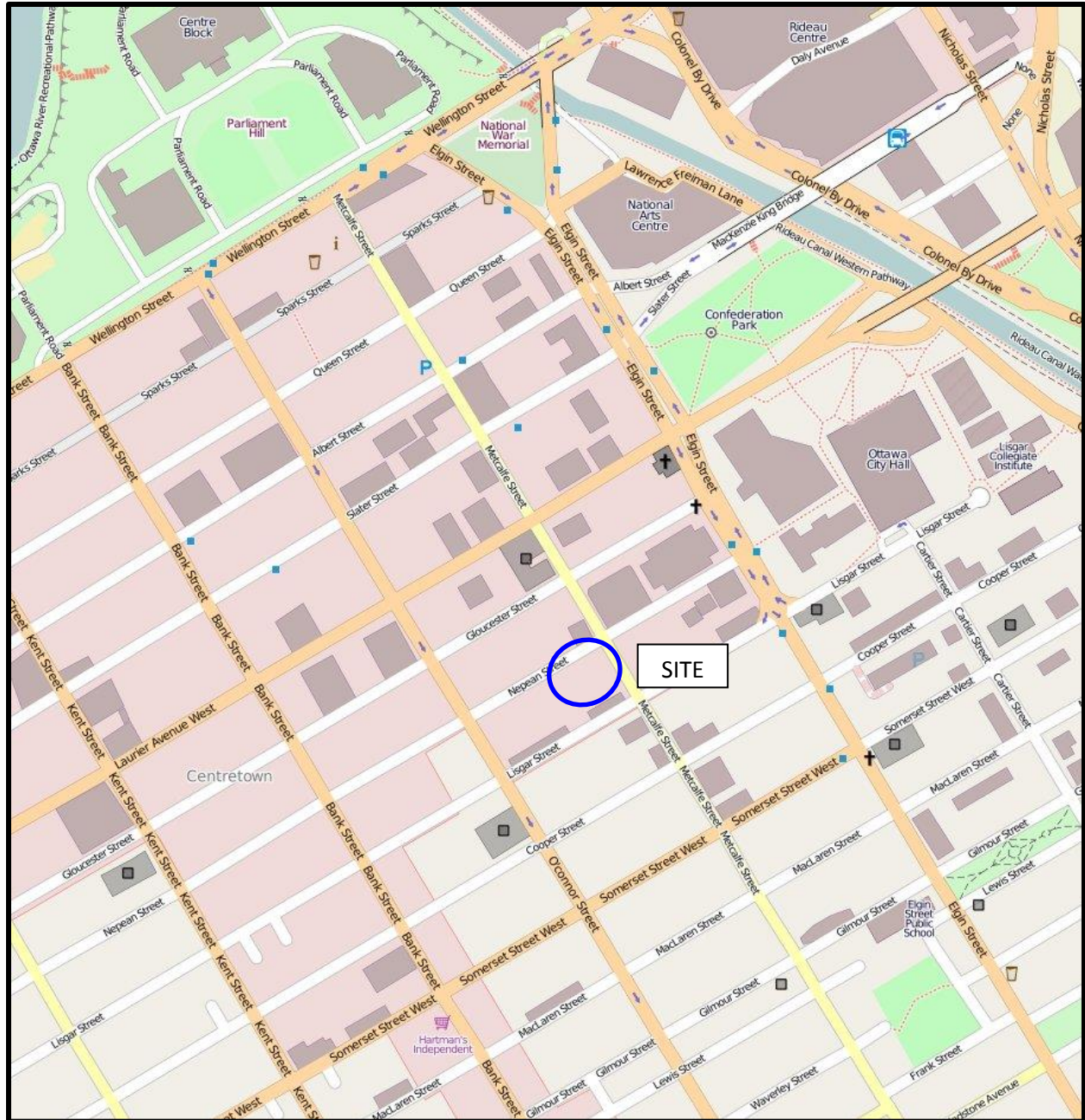


FIGURE 1  
KEY PLAN

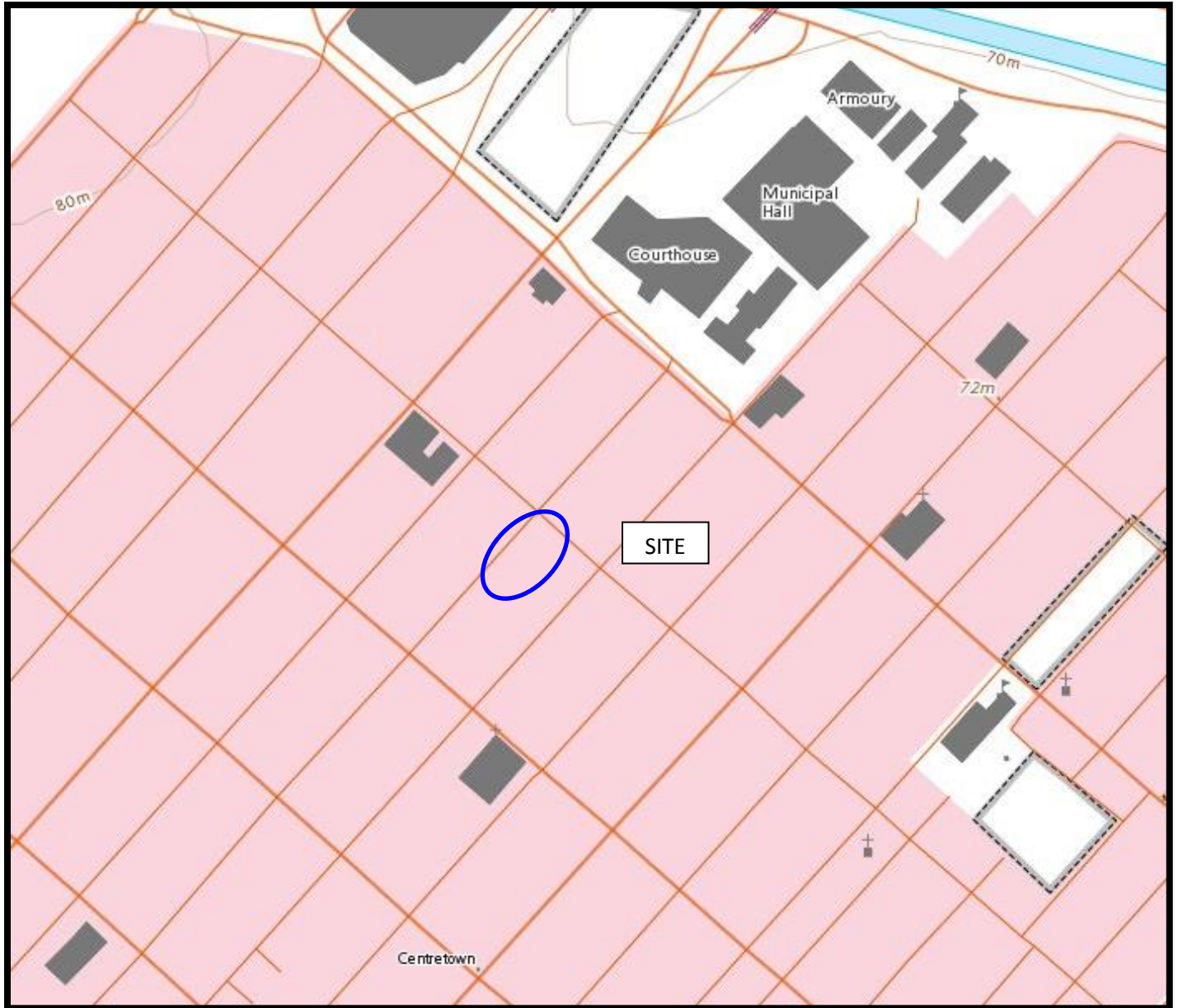
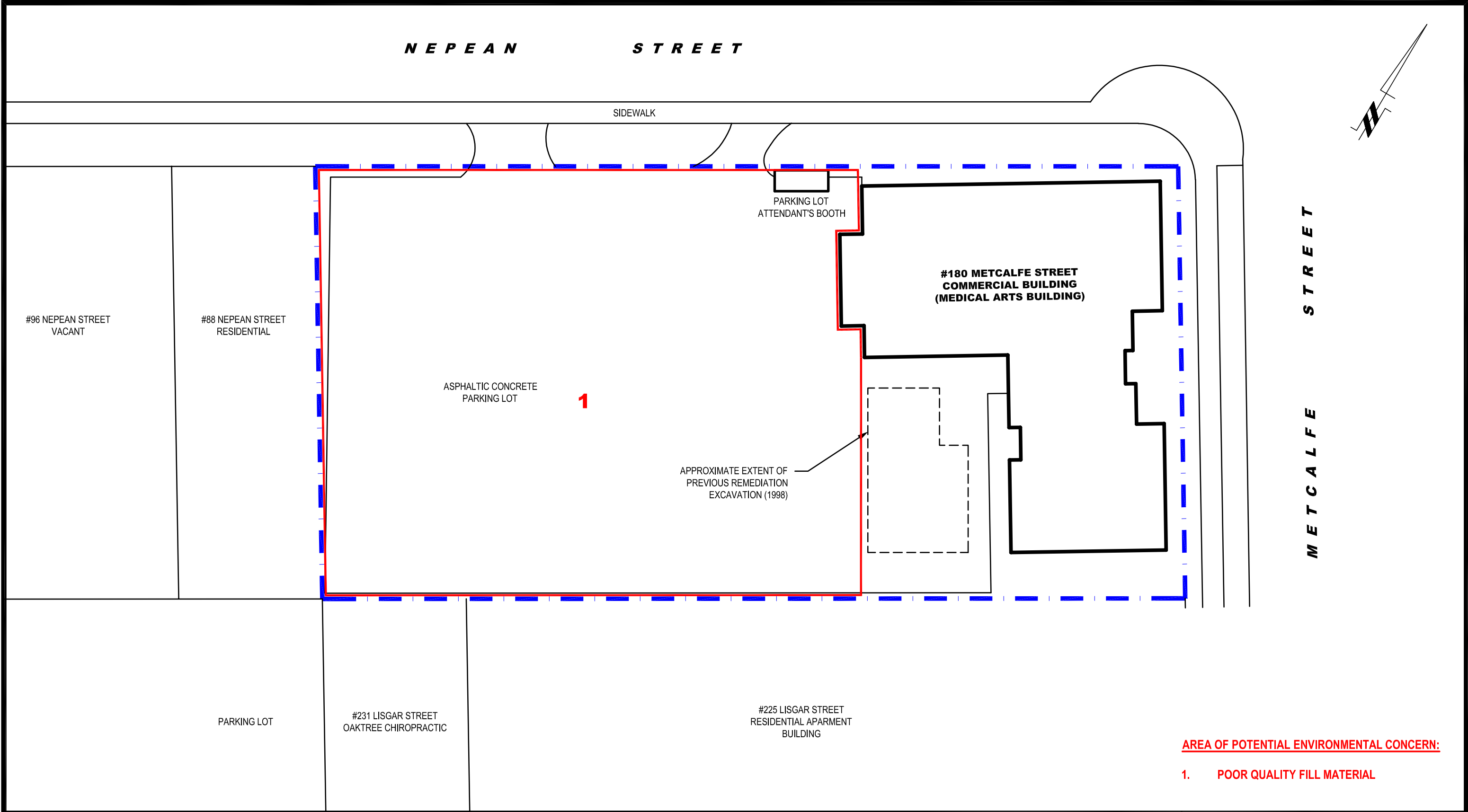


FIGURE 2  
TOPOGRAPHIC MAP



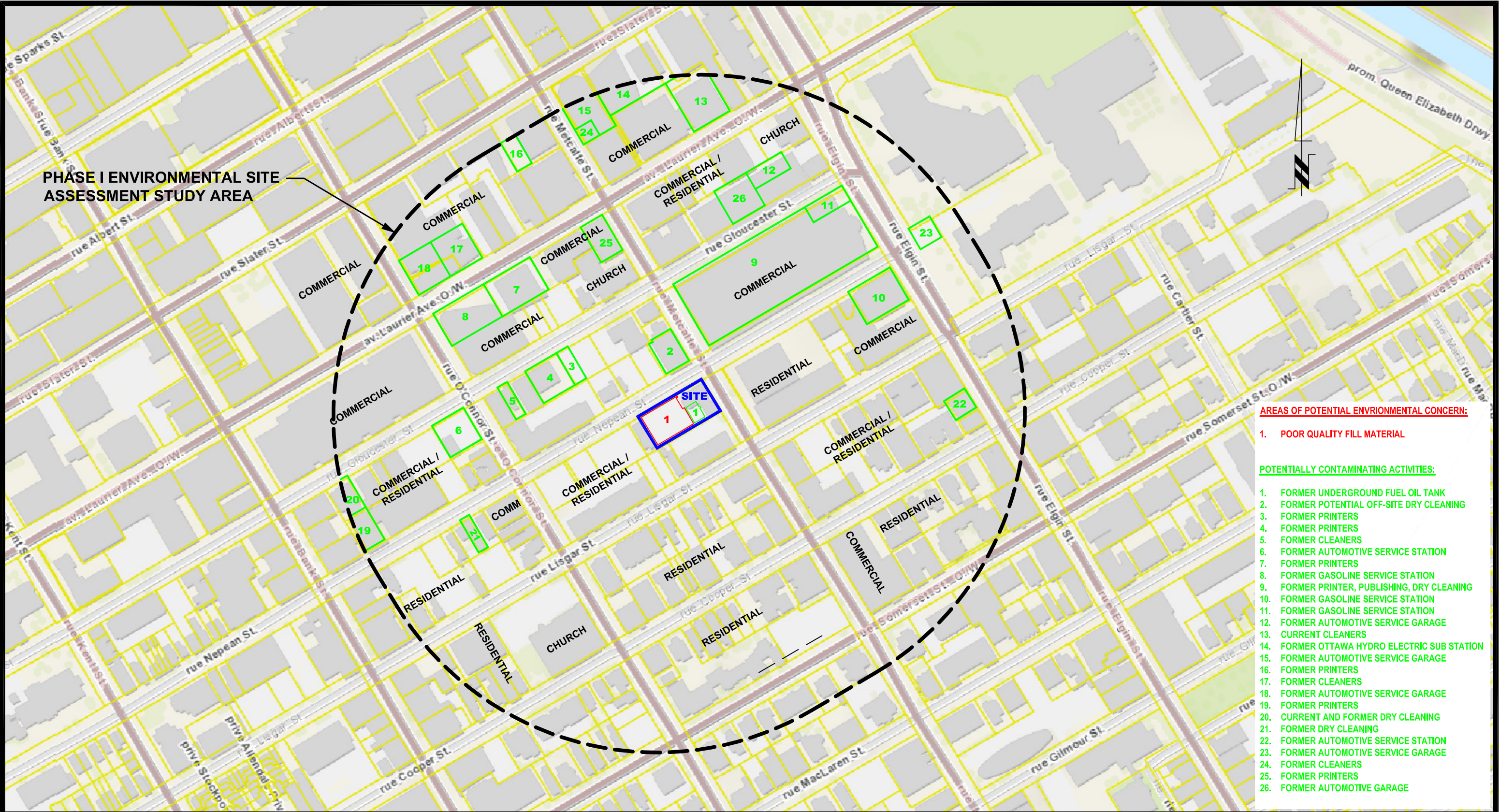


**AREA OF POTENTIAL ENVIRONMENTAL CONCERN:**

- 1. POOR QUALITY FILL MATERIAL

<div><div>patersongroup</div><div>consulting engineers</div><div>154 Colonnade Road South Ottawa, Ontario K2E 7J5 Tel: (613) 226-7381 Fax: (613) 226-6344</div></div>					<div>JADCO GROUP</div> <div>PHASE I - ENVIRONMENTAL SITE ASSESSMENT</div> <div>180 METCALFE STREET</div> <div>OTTAWA, ONTARIO</div> <div>Title: SITE PLAN</div>	Scale:	1:250	Date:	05/2018
						Drawn by:	MPG	Report No.:	PE4280-3
						Checked by:	MB	Dwg. No.:	PE4280-6
						Approved by:	CDS	Revision No.:	
	0								
NO.	REVISIONS		DATE	INITIAL					





**AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:**

1. POOR QUALITY FILL MATERIAL

**POTENTIALLY CONTAMINATING ACTIVITIES:**

1. FORMER UNDERGROUND FUEL OIL TANK
2. FORMER POTENTIAL OFF-SITE DRY CLEANING
3. FORMER PRINTERS
4. FORMER PRINTERS
5. FORMER CLEANERS
6. FORMER AUTOMOTIVE SERVICE STATION
7. FORMER PRINTERS
8. FORMER GASOLINE SERVICE STATION
9. FORMER PRINTER, PUBLISHING, DRY CLEANING
10. FORMER GASOLINE SERVICE STATION
11. FORMER GASOLINE SERVICE STATION
12. FORMER AUTOMOTIVE SERVICE GARAGE
13. CURRENT CLEANERS
14. FORMER OTTAWA HYDRO ELECTRIC SUB STATION
15. FORMER AUTOMOTIVE SERVICE GARAGE
16. FORMER PRINTERS
17. FORMER CLEANERS
18. FORMER AUTOMOTIVE SERVICE GARAGE
19. FORMER PRINTERS
20. CURRENT AND FORMER DRY CLEANING
21. FORMER DRY CLEANING
22. FORMER AUTOMOTIVE SERVICE STATION
23. FORMER AUTOMOTIVE SERVICE GARAGE
24. FORMER CLEANERS
25. FORMER PRINTERS
26. FORMER AUTOMOTIVE GARAGE

**patersongroup**  
consulting engineers

154 Colonnade Road South  
Ottawa, Ontario K2E 7J5  
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

JADCO GROUP  
PHASE I - ENVIRONMENTAL SITE ASSESSMENT  
180 METCALFE STREET  
OTTAWA, ONTARIO

**SURROUNDING LAND USE PLAN**

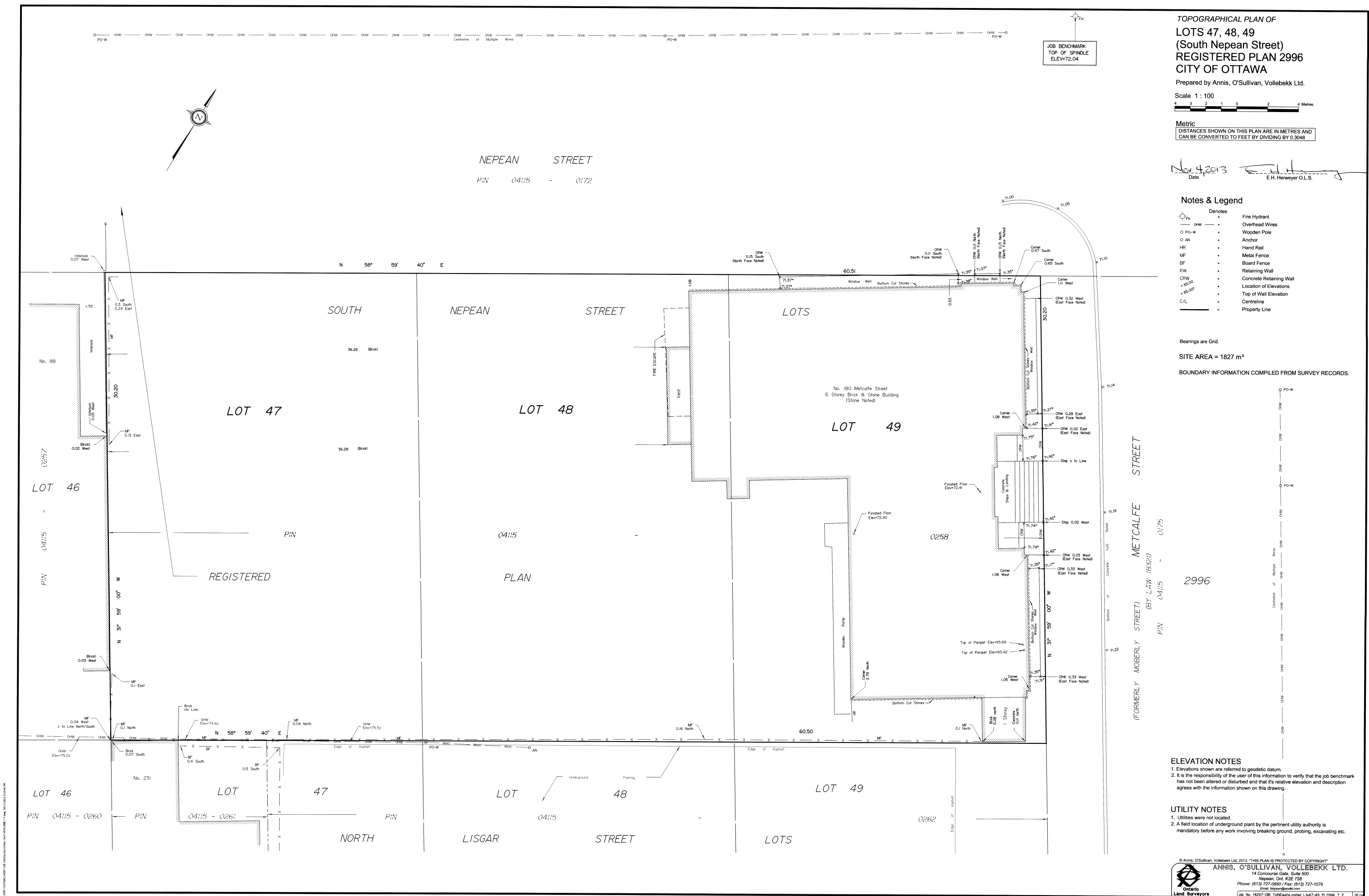
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Drawn by:	RCG	Report No.:	PE4280-3
Checked by:	AM	Drawing No.:	<b>PE4280-7</b>
Approved by:	CDS	Revision No.:	



# **APPENDIX 1**

**SURVEY PLAN**

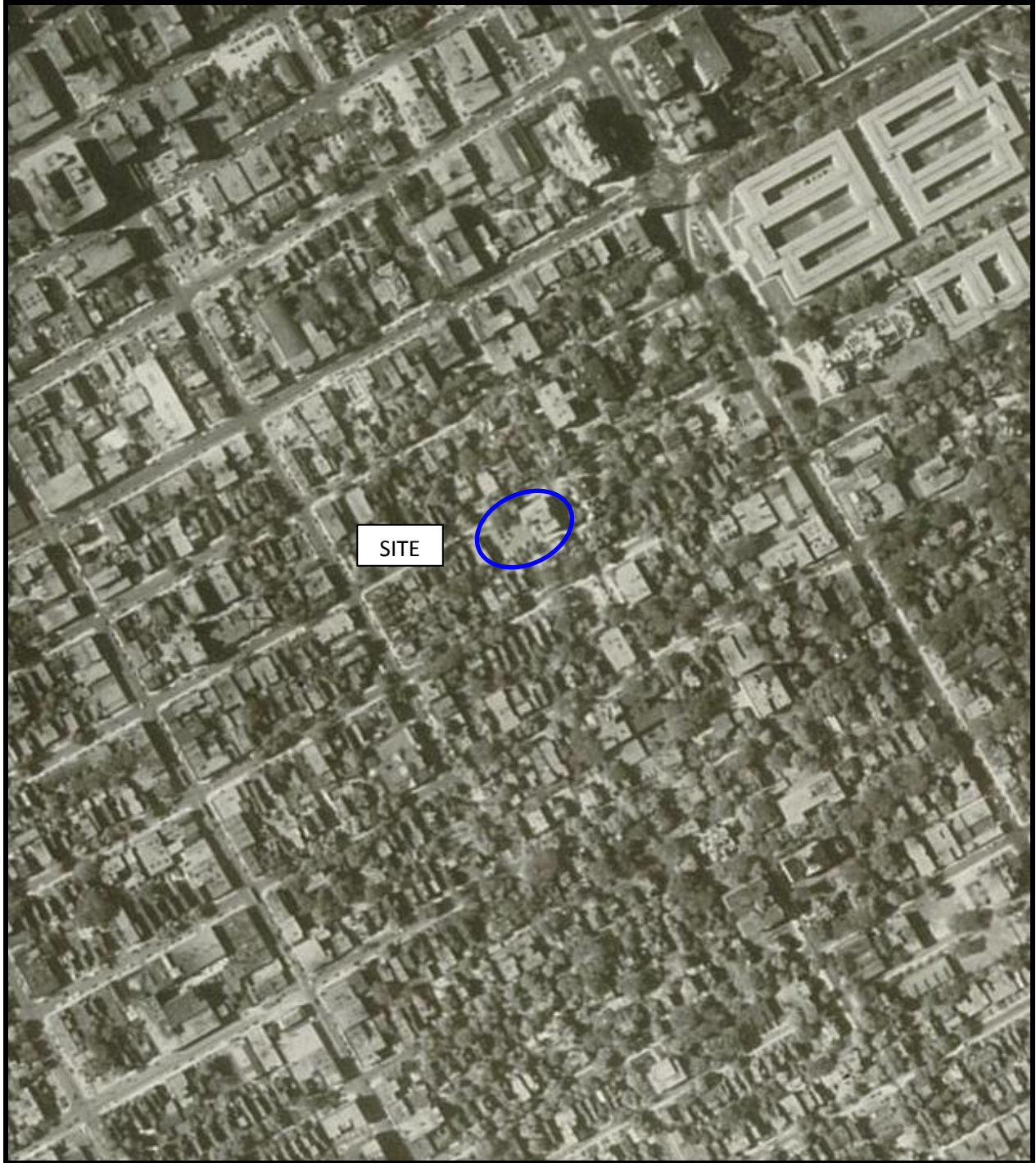
**AERIAL PHOTOGRAPHS**





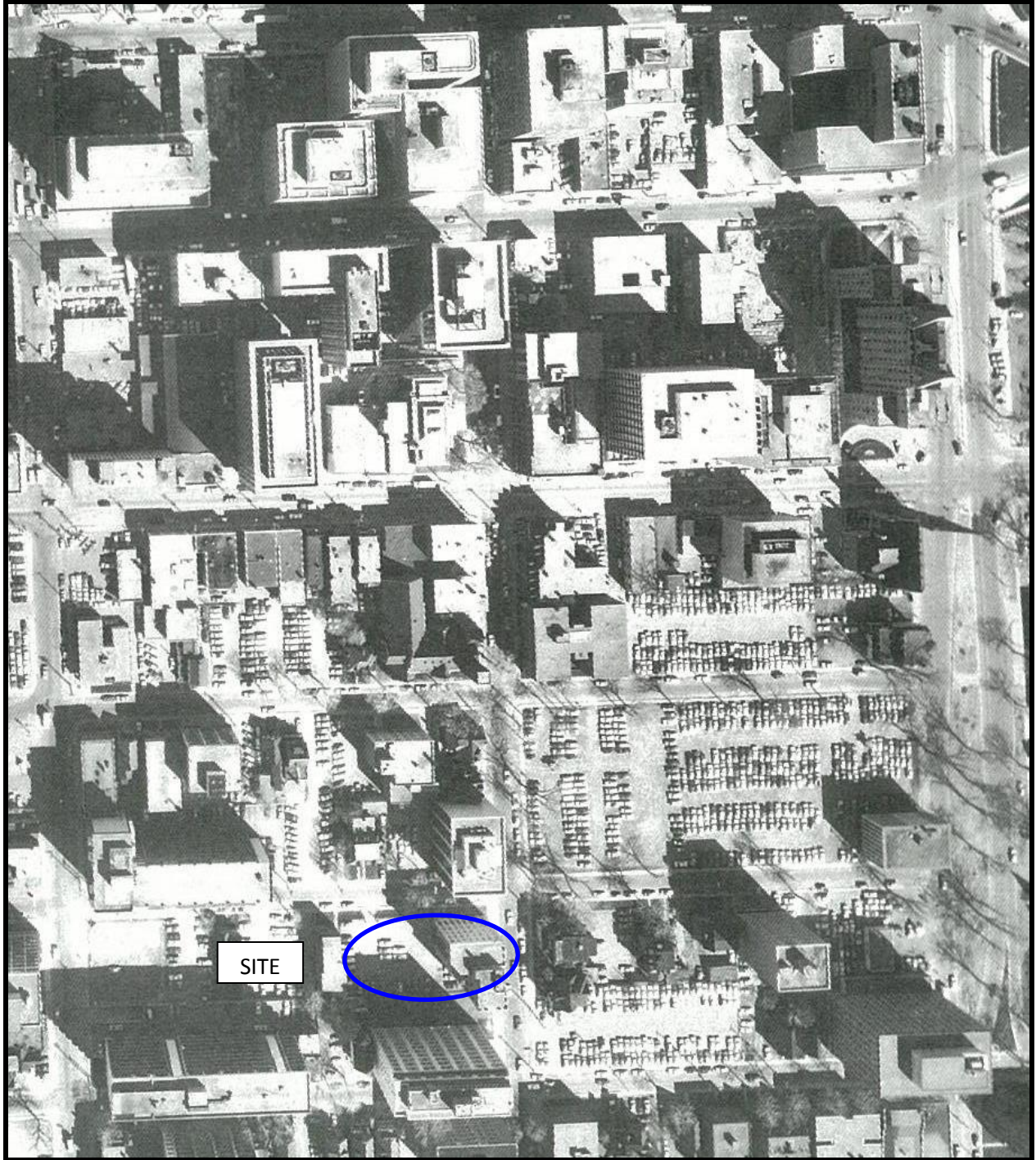
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1928





AERIAL PHOTOGRAPH  
1950





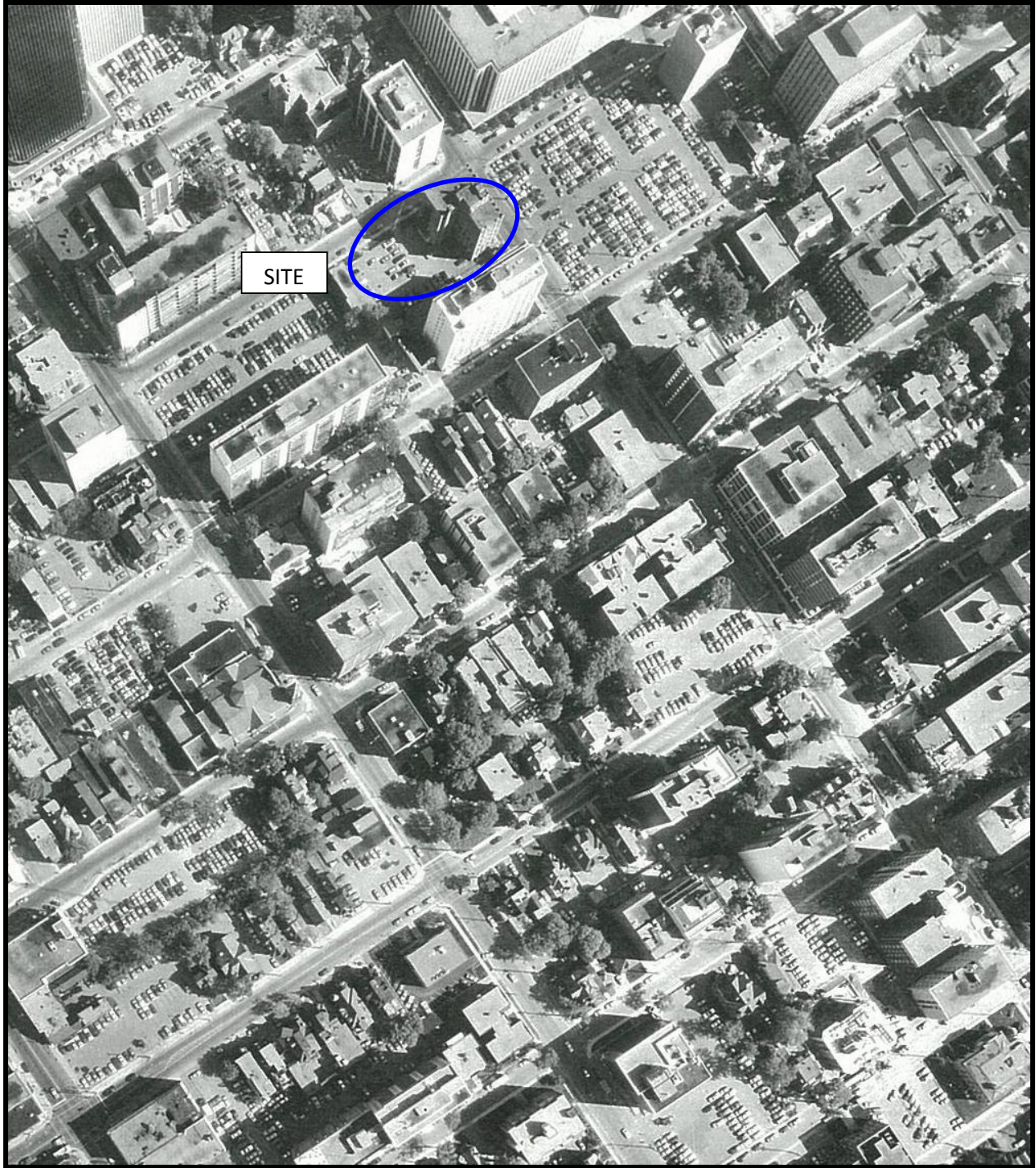
AERIAL PHOTOGRAPH  
1969





AERIAL PHOTOGRAPH  
1978





AERIAL PHOTOGRAPH  
1984





AERIAL PHOTOGRAPH  
1990

# **APPENDIX 2**

**MOECC FREEDOM OF INFORMATION SEARCH**

**WATER WELL RECORDS**

**TSSA CORRESPONDENCE**

**CITY OF OTTAWA HLUI SEARCH**

Ministry of the Environment  
and Climate Change

Freedom of Information and  
Protection of Privacy Office

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

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

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

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



June 21, 2018

Adrian Menyhart  
Paterson Group Inc  
154 Colonnade Road  
Ottawa, ON K2E 7J5

Dear Adrian Menyhart:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2018-04163, Your Reference PE42800**

The Ministry is in receipt of your request made pursuant to the *Freedom of Information and Protection of Privacy Act* and has received your payment in the amount of \$5.00 (non-refundable application fee).

**The search is being conducted on the following: 180 Metclafe Street, Ottawa. If there is any discrepancy please contact us immediately.**

You may expect a reply or additional communication as your request is processed. For your information, the Ministry charges for search, copying and preparation time.

If you have any questions regarding this matter, please contact Jennifer Lee at 416-327-3058 or [jennifer.lee7@ontario.ca](mailto:jennifer.lee7@ontario.ca).

Yours truly,

**ORIGINAL SIGNED BY**

Janet Dadufalza  
FOI Manager





Ontario

Ministry of  
the Environment

Well Tag No. for Master Well (Place Sticker and/or Print Below)

A 074581

MW#4

Master Well Record for  
Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 3

Master Well Owner's and Land Owner's Information

First Name: Broccolini Construction Inc. Last Name: E-mail Address:  
Mailing Address (Street Number/Name, RR): 126 York St. Suite 300 Municipality: Ottawa Province: ON Postal Code: K1N5T5 Telephone No. (inc. area code): 613 244 0076

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): 150 Slater Street Township: Lot: Concession:  
County/District/Municipality: City/Town/Village: Ottawa Province: Ontario Postal Code:

UTM Coordinates: NAD 83 Zone: 18 Easting: 445417 Northing: 50298184 GPS Unit Make: Garmin Model: Etrex Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify:

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From	Depth (Metres) To
	Asphaltic concrete-slab			0	0.15
	Grey Brown Silty sand, gravel	asphaltic concrete		0.15	1.75
	Grey Brown Silty clay	very stiff		1.75	2.62
	Grey Brown Silty sand	trace clay loose to compact		2.62	5.94
	DK Grey Silty sand	trace clay shale fragments		5.94	7.32
	Black Shale	Bedrock some grey limestone		7.32	30.76

Hole Details

Depth (Metres) From	Depth (Metres) To	Diameter (Centimetres)
0	7.3	20
7.3	30.7	10

Water Use

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

Method of Construction

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

Status of Well

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

No Casing and Screen Used

Open Hole ☐ Yes ☒ No Metres

Static Water Level Test

Screen

☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☒ Plastic  
Outside Diameter (Centimetres): 5.8 Slot No.: 10

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From	Depth (Metres) To
5.1	PVC	Sched 40	0	30.4

Water Details

Water found at Depth: No water Kind of Water: ☐ Gas ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals  
Water found at Depth: Metres Kind of Water: ☐ Gas ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals  
Water found at Depth: Metres Kind of Water: ☐ Gas ☐ Fresh ☐ Salty ☐ Sulphur ☐ Minerals

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From	Depth Set at (Metres) To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0	30.4	Bentrite grout	300 Kgs

Disinfected ☐ Yes ☒ No If no, provide reason: Date Master Well Completed (yyyy/mm/dd): 2008/08/12

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

Total Wells in Cluster: 6 Please indicate Number of Cluster Well Information Log Sheets Submitted: 1  
Total Wells on this Property: unknown

Location of Well Cluster

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

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

Signature: [Redacted]

Well Contractor and Well Technician Information

Business Name of Well Contractor: George Downing Estate Drilling Well Contractor's Licence No.: 118144  
Business Address (Street No./Name, number, RR): 10 Rue Principale Grenville-sur-la-Rouge Municipality:  
Province: Postal Code: Business E-mail Address: downing@xplornet.com  
Telephone No. (inc. area code): 192426469 Name of Well Technician (Last Name, First Name): Downing, Bruce  
Technician's Licence No.: 1173 Signature of Technician: [Signature] Date Submitted (yyyy/mm/dd): 2008/09/19

Audit No.: M 02881 Well Contractor No.:  
Date Received (yyyy/mm/dd): APR 08 2009 Date of Inspection (yyyy/mm/dd):  
Remarks:



Well Tag No. for Master Well (Print Well Tag No.)

**A 074581** A074581

### Cluster Well Information for Cluster Well Construction

Regulation 903 Ontario Water Resources Act

Page 1 of 1

### Property Owner's Information

First Name Broccolini	Last Name Construction Inc.	Mailing Address (Street No./Name, RR) 126 York Street Suite 300	Municipality Ottawa
Province ON	Postal Code K1N5T5	E-mail Address	Telephone No. (inc. area code) 6132440076


### Cluster Well Information

Address of Well Location (Street Number/Name, RR) 150 Slater Street			Lot		Concession		Township		County/District/Municipality	
City/Town/Village Ottawa		Province Ontario	Postal Code		GPS Unit Make Garmin		Model Etrex	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged		<input type="checkbox"/> Differentiated, specify:

C	
P	
S	
C	upon request
Signature of Technician/Contractor	
Date (yyyy/mm/dd)	
	
	

[illegible]

### Well Contractor and Well Technician Information

Business Name of Well Contractor		Business Address (Street Number/Name, RR)		Municipality	Province
George Downing Estate Drilling		410 Rue Principale		Grenville-sur-la-Rouge	QC
Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address		
J0V1B0	8192426469	1844	downing@xplornet.com		
Name of Well Technician (First Name, Last Name)		Well Technician's Licence No.	Date Submitted (yy/mm/dd)	Signature of Technician	
Bruce Downing		2173	2008/09/29		

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2008/08/11	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2008/08/14
--	---

## Ministry Use Only

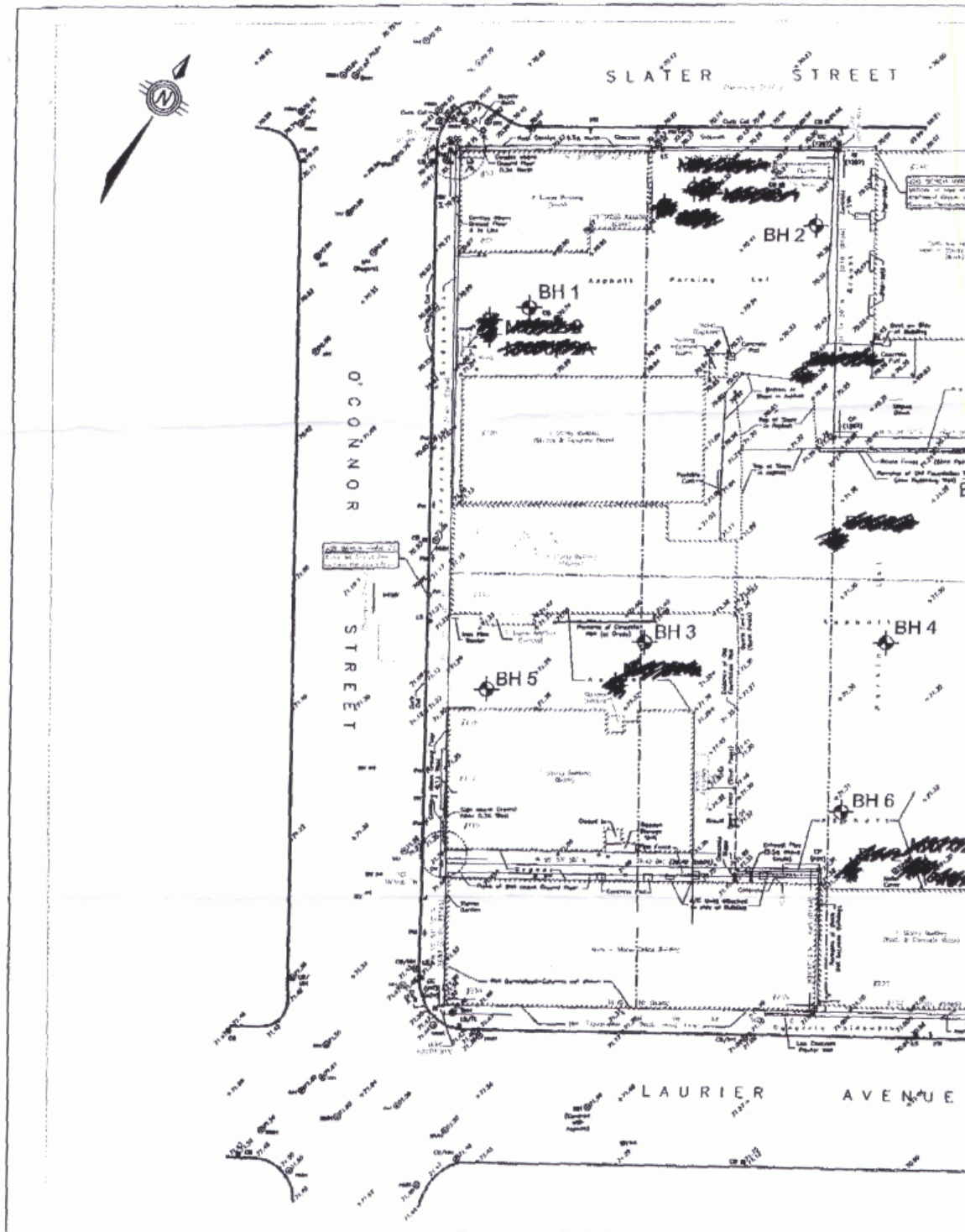
Date Received (yyyy/mm/dd)	Date Inspected (yyyy/mm/dd)
APR 08 2009	
Audit No.	Remarks
C 01978	m02881

1991 (11/2006)

Ministry's Copy

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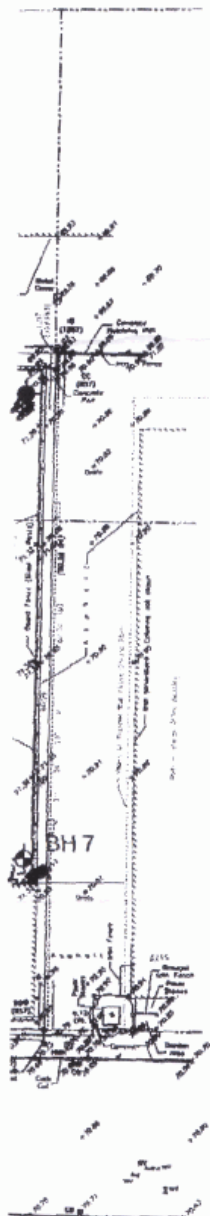








APR 08 2009


e-1844 m02881 c01928





### LEGEND

- |   |         |  |
|---|---------|--|
|  | BH 1    | APPROXIMATE BOREHOLE LOCATION IN PLAN, CURRENT INVESTIGATION BY HOULE CHEVRIER ENGINEERS LTD.                                |
|  | BH-2    | APPROXIMATE BOREHOLE LOCATION IN PLAN, PREVIOUS INVESTIGATION BY FONDEX.   |
|  | MW 02-1 | APPROXIMATE MONITORING WELL AND BOREHOLE LOCATION IN PLAN, PREVIOUS INVESTIGATION BY JACQUES WHITFORD ENVIRONMENTAL LIMITED. |
|  | BH 02-4 |  |

Client <b>BROCCOLINI</b>		Location <b>150 SLATER STREET OTTAWA, ON</b>		Revision <b>0</b>
Drawn by <b>D.J.R</b>		Approved by <b>A.F.C</b>		Project No. <b>08-386</b>
				Scale <b>1:500</b>
		Title <b>SITE PLAN</b>		
		Date <b>August 2008</b>		<b>FIGURE 2</b>

APR 08 2009

TOTAL P.10

C-1849 mo2881 c01928

**Ontario**Ministry of  
the Environment

Well Tag No. for Master Well (Place Sticker and/or Print Below)

**A 074637**

mw-9

**Master Well Record for  
Cluster Well Construction**

Regulation 903 Ontario Water Resources Act

Page 1 of 2

**Master Well Owner's and Land Owner's Information**

First Name <b>Shell Canada Products</b>		Last Name		E-mail Address	
Mailing Address (Street Number/Name, RR) <b>90 Sheppard Ave. Ste 600</b>		Municipality <b>Toronto</b>		Province <b>ON</b>	Postal Code <b>M2N 1G4</b>
Telephone No. (inc. area code) <b>416 227 7111</b>					

**Location and Construction of the Master Well in the Cluster**

Address of Well Location (Street Number/Name, RR) <b>154 O'Connor Street</b>		Township		Lot	Concession
County/District/Municipality		City/Town/Village <b>Ottawa</b>		Province <b>Ontario</b>	Postal Code

UTM Coordinates NAD 83 <b>181184415141815</b>	Zone <b>18</b>	Easting <b>4415141815</b>	Northing <b>5101296167</b>	GPS Unit Make <b>Garmin</b>	Model <b>Etrex</b>	Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify
---	-------------------	------------------------------	-------------------------------	--------------------------------	-----------------------	---

**Overburden and Bedrock Materials (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From To
	Asphalt surface			0 0.1
	Grey Sand + Gravel fill		moist	0.1 0.4
	Brown Sand fill			0.4 0.5
	Brown/Black Sandy clay fill		moist	0.5 1.5
	Grey Silty clay some sand fractured			1.5 4.8
	Black/Brown unconsolidated shale			4.8 6.1

**Hole Details**

Depth (Metres) From To	Diameter (Centimetres)
0 4.8	20
4.8 6.1	10

**Water Use**

<input type="checkbox"/> Public	<input type="checkbox"/> Industrial	<input type="checkbox"/> Not used	<input type="checkbox"/> Other, specify
<input type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Monitoring	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Cooling & Air Conditioning	

**Method of Construction**

<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Air Percussion	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Boring
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other, specify
<input type="checkbox"/> Rotary (Air)	<input type="checkbox"/> Driving	<b>Geopole</b>

**Status of Well**

<input checked="" type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, Insufficient Supply
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Abandoned, Poor Water Quality
<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Other, specify
<input type="checkbox"/> Alteration (Construction)	<input type="checkbox"/> Abandoned, other, specify

**No Casing and Screen Used**

Open Hole <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Static Water Level Test <b>76.8</b> Metres
--	---

**Screen**

<input type="checkbox"/> Galvanized	<input type="checkbox"/> Steel	<input type="checkbox"/> Fibreglass	<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Plastic
Outside Diameter (Centimetres) <b>3.8</b>	Slot No. <b>10</b>			

**Water Details**

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

**Disinfected** ☐ Yes ☒ No If no, provide reason:

<b>Monitoring well</b>	Date Master Well Completed (yyyy/mm/dd) <b>2009/07/25</b>
------------------------	--

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

Total Wells in Cluster <b>7</b>	Please indicate Number of Cluster Well Information Log Sheets Submitted <b>1</b>
Total Wells on this Property <b>unknown</b>	

**Location of Well Cluster**

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

**Construction Details**

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From To
<b>3.2</b>	<b>Atmospheric PVC</b>	<b>sch 40</b>	<b>0 3.0</b>

**Annular Space/Abandonment Sealing Record**

Depth Set at (Metres) From To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
<b>0.1 2.4</b>	<b>Benfonite</b>	<b>40 kgs</b>

**Well Contractor and Well Technician Information**

Business Name of Well Contractor <b>George Downing Estate Drilling Ltd</b>		Well Contractor's Licence No. <b>118 14 14</b>	
Business Address (Street No./Name, number, RR) <b>410 Rue Principale Granville Sud de Rouge</b>		Municipality	
Province <b>QC</b>	Postal Code <b>J0N 1B0</b>	Business E-mail Address <b>downing@hawk.195.net</b>	
Bus. Telephone No. (inc. area code) <b>819 241 2449</b>		Name of Well Technician (Last Name, First Name) <b>Downing Bruce</b>	
Well Technician's Licence No. <b>211713</b>		Date Submitted (yyyy/mm/dd) <b>2009/09/17</b>	

**Ministry Use Only**

Audit No. <b>M 04512</b>	Well Contractor No.
Date of Review (yyyy/mm/dd) <b>OCT 07 2009</b>	Date of Inspection (yyyy/mm/dd)
Remarks	



A 074637

## Regulation 903 Ontario Water Resources Act


Page 1 of 1

First Name Shull Canada Products	Last Name	Mailing Address (Street No./Name, RR) 90 Sheppard Ave. Ste 600	Municipality Toronto
Province ONTARIO	Postal Code M2N 6Y2	E-mail Address	Telephone No. (inc. area code) 416 227 7111

Address of Well Location (Street Number/Name, RR)			Lot	Concession	Township	County/District/Municipality	
154 O'Connell Street							
City/Town/Village	Province	Postal Code		GPS Unit Make	Model	Unit Mode of Operation	<input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged
Ottawa	Ontario			Garmin	Etrex	<input type="checkbox"/> Differentiated, specify: _____	

upon request

Signature of Technician/Contractor	Date (yyyy/mm/dd)
------------------------------------	-------------------

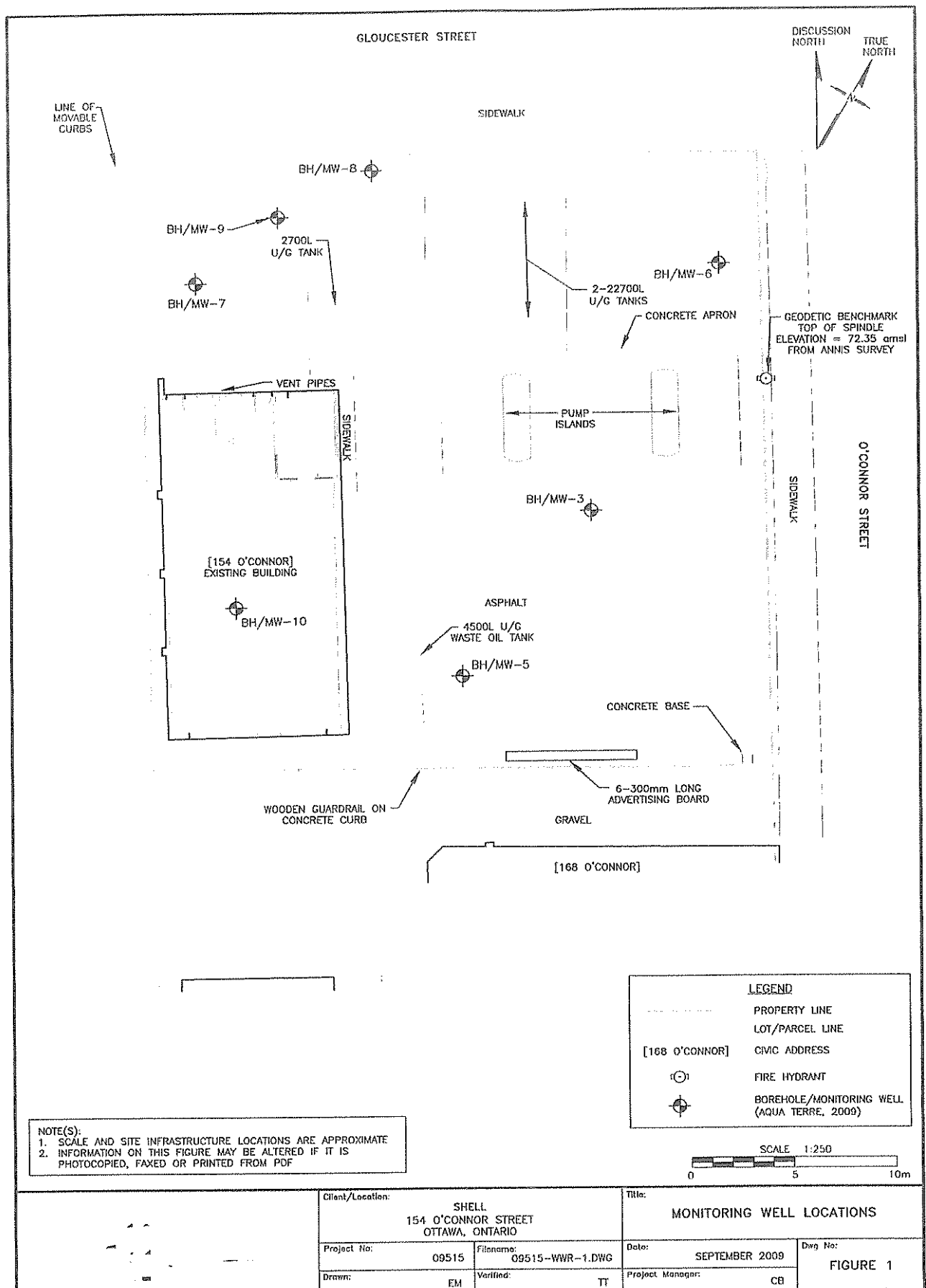
	2009/09/17
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[illegible]

Business Name of Well Contractor George Dawning Estate Dulling Ltd		Business Address (Street Number/Name, RR) 410 Rue Principale Greenville		Municipality Steele La Rouge	Province QC
Postal Code J0V 1B0	Business Telephone No. (inc. area code) 81192426469	Well Contractor's Licence No. 1181414	Business E-mail Address dawningc@haulk.igs.net		
Name of Well Technician (First Name, Last Name) Bruce Dawning		Well Technician's Licence No. 21173	Date Submitted (yyyy/mm/dd) 2009/09/17	Signature of Technician Bruce Dawning	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/07/24	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/07/25
--	---

Date Received (yyyy/mm/dd) OCT 01 2009	Date Inspected (yyyy/mm/dd)
Audit No. C 05217	Remarks M 4512





Master Well Owner's and Land Owner's Information

First Name: Shell Canada Products Last Name: \_\_\_\_\_ E-mail Address: \_\_\_\_\_  
Mailing Address (Street Number/Name, RR): 90 Sheppard Ave East Suite 600 Toronto Municipality: ON Province: ON Postal Code: M2N 6Y2 Telephone No. (inc. area code): 416 227 7111

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): 154 O'Connor Street Township: \_\_\_\_\_ Lot: \_\_\_\_\_ Concession: \_\_\_\_\_  
County/District/Municipality: \_\_\_\_\_ City/Town/Village: Ottawa Province: Ontario Postal Code: \_\_\_\_\_

UTM Coordinates: Zone 18 Easting 445063 Northing 5029676 GPS Unit Make: Garmin Model: ETrex Mode of Operation: ☐ Undifferentiated ☒ Averaged ☐ Differentiated, specify \_\_\_\_\_

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From To
			MW 5 and MW 10 abandoned under Tag A074637 (MW #10)	
			Remove casing + screen; back fill borehole from 6.7 m below surface to surface with aqua guard cement as per ONT MOE Reg 903	
			Tag remains affixed to MW #9.	

Hole Details

Depth (Metres) From To	Diameter (Centimetres)
0 6.7	20/10

Water Use

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

Method of Construction

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

Status of Well

☐ Test Hole ☐ Abandoned, Insufficient Supply  
☐ Replacement Well ☐ Abandoned, Poor Water Quality  
☐ Dewatering Well ☐ Other, specify \_\_\_\_\_  
☐ Alteration (Construction) ☒ Abandoned, other, specify M.W.

No Casing and Screen Used

Open Hole ☐ Yes ☒ No \_\_\_\_\_ Metres

Static Water Level Test

Screen ☐ Galvanized ☐ Steel ☐ Fibreglass ☐ Concrete ☐ Plastic

Outside Diameter (Centimetres) \_\_\_\_\_ Slot No. \_\_\_\_\_

Water Details

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

Disinfected ☐ Yes ☒ No If no, provide reason: \_\_\_\_\_ Date Master Well Completed (yyyy/mm/dd): 2009/10/09

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

Total Wells in Cluster: 2 Please indicate Number of Cluster Well Information Log Sheets Submitted: \_\_\_\_\_  
Total Wells on this Property: unknown

Location of Well Cluster

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

Consent to release additional information concerning the cluster to the public

\_\_\_\_\_

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres) From To

Annular Space/Abandonment Sealing Record

Depth Set at (Metres) From To	Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
0 6.7	Bubblecrete Aqua guard Cement	4/8 Kys

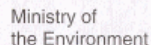
Well Contractor and Well Technician Information

Business Name of Well Contractor: George Downing Estate Drilling Ltd Well Contractor's Licence No.: 1844  
Business Address (Street No./Name, number, RR): 410 Rue Principale Grenville Sur La Rive Municipality: \_\_\_\_\_  
Province: QC Postal Code: \_\_\_\_\_ Business E-mail Address: JoVilBo.downing@hawk.igs.net  
Bus. Telephone No. (inc. area code): 819 242 6469 Name of Well Technician (Last Name, First Name): Downing, Bruce  
Well Technician's Licence No.: \_\_\_\_\_ Signature of Technician: Bruce Downing Date Submitted (yyyy/mm/dd): 2009/12/01

Ministry Use Only

Audit No.: M 05531 Well Contractor No.: \_\_\_\_\_  
Date Received (yyyy/mm/dd): JAN 07 2010 Date of Inspection (yyyy/mm/dd): \_\_\_\_\_  
Remarks: \_\_\_\_\_





Well Tag No. for Master Well (Print Well Tag No.)  
2 m.w. abandonments under  
Tag A074637 (5 remaining wells)

## Regulation 903 Ontario Water Resources Act

Page 1 of 1

### Property Owner's Information

First Name Shell Canada Products	Last Name	Mailing Address (Street No./Name, RR) 90 Sheppard Ave. East Suite 600	Municipality Toronto
Province ON	Postal Code M2N 6Y2	E-mail Address	Telephone No. (inc. area code) 416 227 7111

### Cluster Well Information

Address of Well Location (Street Number/Name, RR) 154 O'Connor Street			Lot	Concession	Township	County/District/Municipality		
City/Town/Village Ottawa		Province Ontario	Postal Code		GPS Unit Make Garmin	Model Etrex	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify:	

Signature of Technician/Contractor	Date (yyyy/mm/dd)
------------------------------------	-------------------

Benjamin 2009/11/20/1

[illegible]

### Well Contractor and Well Technician Information

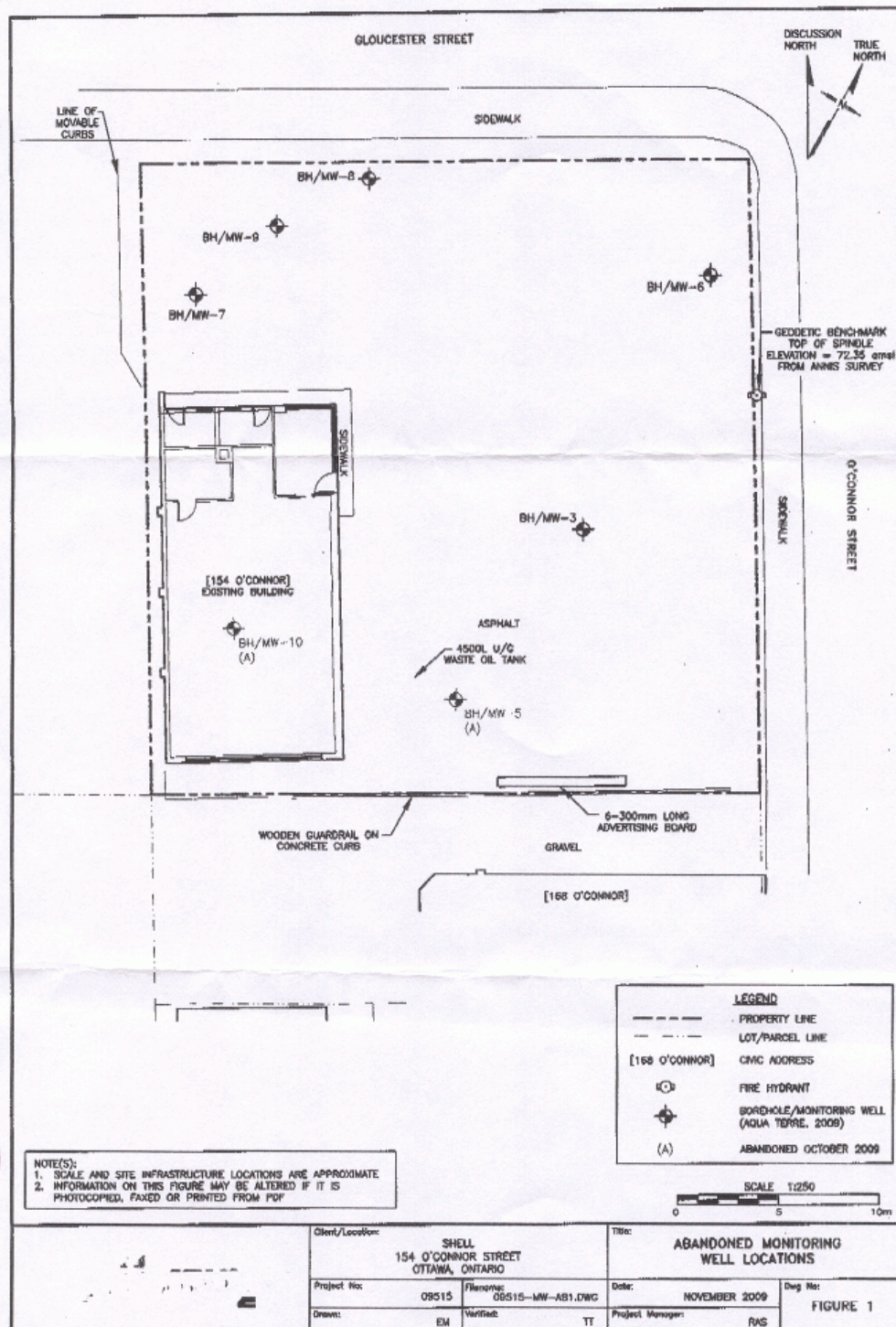
Business Name of Well Contractor		Business Address (Street Number/Name, RR)		Municipality	Province
George Downing Estate Drilling Ltd.		410 Rue Principale		Grenville Sur La Rouge	QC.
Postal Code	Business Telephone No. (inc. area code)	Well Contractor's Licence No.	Business E-mail Address		
J0V 1B0	819 2426469	1844	downinge.hawk.igs.net		
Name of Well Technician (First Name, Last Name)		Well Technician's Licence No.	Date Submitted (yyyy/mm/dd)	Signature of Technician	
Bruce Downing		2173	2009/12/01	Bruce Downing	

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/11/09	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/11/09
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## Ministry Use Only

Date Received (yyyy/mm/dd) <b>JAN 07 2010</b>	Date Inspected (yyyy/mm/dd)
Audit No. <b>c 06149</b>	Remarks <b>mo5531</b>





C-1844  
MOSSBI  
C6149

JAN 07 2010



**A 083149**

mw 09-23

**Master Well Owner's and Land Owner's Information**

First Name <b>Shell Canada Products Ltd.</b>	Last Name	E-mail Address
Mailing Address (Street Number/Name, RR) <b>90 Sheppard Ave. Suite 600 Toronto</b>	Municipality	Province <b>ON</b>
	Postal Code <b>M2N 6Y2</b>	Telephone No. (inc. area code) <b>416 438 3862</b>

**Location and Construction of the Master Well in the Cluster**

Address of Well Location (Street Number/Name, RR) <b>154 O'Connor Street</b>	Township	Lot <b>41 + Part of 2</b>	Concession <b>Lot D-Com C</b>
County/District/Municipality	City/Town/Village <b>Ottawa</b>	Province <b>Ontario</b>	Postal Code <b>K2P 1T5</b>

UTM Coordinates NAD 83 <b>184454985029689</b>	Zone	Easting <b>Garmin</b>	Northing <b>Etrex</b>	GPS Unit Make	Model	Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify
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**Overburden and Bedrock Materials (see instructions on the back of this form)**

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres) From To
Dark Brown	Sand Fill		moist	0 0.6
" "	Sand + Gravel Fill		"	0.6 1.2
Brown/Grey	Silty Clay		"	1.2 3.0
Grey	Clay		wet	3.0 4.3
"	Clayey silt			4.3 5.5
"	Sandy clay			5.5 6.0
Brown/Grey	Shale		dry	6.0 11.3

Depth (Metres) From To	Diameter (Centimetres)
0 6.0	20
6.0 11.3	10

<b>Water Use</b>			
<input type="checkbox"/> Public	<input type="checkbox"/> Industrial	<input type="checkbox"/> Not used	<input type="checkbox"/> Other, specify
<input type="checkbox"/> Domestic	<input type="checkbox"/> Commercial	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Livestock	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Monitoring	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Cooling & Air Conditioning	

<b>Method of Construction</b>			
<input type="checkbox"/> Cable Tool	<input checked="" type="checkbox"/> Air Percussion	<input type="checkbox"/> Digging	
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Boring	
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Jetting	<input checked="" type="checkbox"/> Other, specify	
<input type="checkbox"/> Rotary (Air)	<input type="checkbox"/> Driving	<b>HSA</b>	

<b>Status of Well</b>			
<input checked="" type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, Insufficient Supply		
<input type="checkbox"/> Replacement Well	<input type="checkbox"/> Abandoned, Poor Water Quality		
<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Other, specify		
<input type="checkbox"/> Alteration (Construction)	<input type="checkbox"/> Abandoned, other, specify		

<b>No Casing and Screen Used</b>	<b>Static Water Level Test</b>
Open Hole <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Metres

<b>Screen</b>			
<input type="checkbox"/> Galvanized	<input type="checkbox"/> Steel	<input type="checkbox"/> Fibreglass	<input checked="" type="checkbox"/> Concrete
<input type="checkbox"/> Plastic			
Outside Diameter (Centimetres) <b>58</b>	Slot No. <b>10</b>		

<b>Water Details</b>			
Water found at Depth Metres	<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh	<input type="checkbox"/> Salty
	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals	
Water found at Depth Metres	<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh	<input type="checkbox"/> Salty
	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals	
Water found at Depth Metres	<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh	<input type="checkbox"/> Salty
	<input type="checkbox"/> Sulphur	<input type="checkbox"/> Minerals	

Disinfected <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If no, provide reason:	Date Master Well Completed (yyyy/mm/dd) <b>2009/12/17</b>
<b>Monitoring well</b>		

<b>Cluster Information (Please also fill out the additional Cluster Well Information for Well Construction for each parcel of land and cluster.)</b>	
Total Wells in Cluster <b>6</b>	Please indicate Number of Cluster Well Information Log Sheets Submitted <b>1</b>
Total Wells on this Property <b>unknown</b>	

<b>Location of Well Cluster</b>	
Detailed Map must be provided as an attachment no larger than legal size (8.5" x 11"). Sketches are not allowed.	
<input checked="" type="checkbox"/> Check box to confirm detailed map is provided as per Section 11.1 (3)	

Consent to release additional information concerning the cluster to the Director upon request
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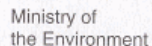
<b>Construction Details</b>			
Inside Diameter (Centimetres) <b>58</b>	Material (steel, plastic, fibreglass, concrete, galvanized) <b>Aluminum fibreglass</b>	Wall Thickness <b>Sched 40</b>	Depth (Metres) From To <b>0 3.3</b>
	<b>PVC Riser</b>		

<b>Annular Space/Abandonment Sealing Record</b>			
Depth Set at (Metres) From To <b>0.5 7.0</b>	Type of Sealant Used (Material and Type) <b>Bentonite</b>	Volume Used (Cubic Metres) <b>120 kgs</b>	

<b>Well Contractor and Well Technician Information</b>			
Business Name of Well Contractor <b>George Downing Estate Drilling Ltd</b>	Well Contractor's Licence No. <b>18 4 4</b>		
Business Address (Street No./Name, number, RR) <b>410 Rue Principale</b>	Municipality <b>Grenville Sur La Rive</b>		
Province <b>QC</b>	Postal Code <b>J0V 1B0</b>	Business E-mail Address <b>downing@hawk.iqs.net</b>	
Business Telephone No. (inc. area code) <b>819 242 6469</b>	Name of Well Technician (Last Name, First Name) <b>Downing Bruce</b>		
Well Technician's Licence No. <b>2173</b>	Signature of Technician <b>Bruce Downing</b>	Date Submitted (yyyy/mm/dd) <b>2010/01/19</b>	

Audit No. <b>M 05547</b>	Well Contractor No.
Date Received (yyyy/mm/dd) <b>FEB 02 2010</b>	Date of Inspection (yyyy/mm/dd)
Remarks	





**A 083149**

A083149

## Regulation 903 Ontario Water Resources Act

Page 1 of 1

### Property Owner's Information

First Name Shell Canada Products Ltd.	Last Name	Mailing Address (Street No./Name, RR) 90 Sheppard Avenue East 600 Toronto	Municipality
Province ON	Postal Code	E-mail Address	Telephone No. (inc. area code) 416 438 8162


### Cluster Well Information

Address of Well Location (Street Number/Name, RR) 154 O'Connor Street		Lot 41 & Part 2	Concession	Township	County/District/Municipality	
City/Town/Village Ottawa	Province Ontario	Postal Code K1P 1T5	GPS Unit Make Garmin	Model Strex	Unit Mode of Operation <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged	

<div style="background-color: black; width: 100%; height: 100%;"></div>	
Signature of Technician/Contractor 	Date (yyyy/mm/dd) 2010/01/19

[illegible]

### Well Contractor and Well Technician Information

Business Name of Well Contractor George Downing Estate Drilling Ltd.		Business Address (Street Number/Name, RR) 410 Rue Principale		Municipality Granville Sur La Ronge	Province QC.
Postal Code J1G 1B0	Business Telephone No. (inc. area code) 819 242 6469	Well Contractor's Licence No. 1844	Business E-mail Address downing@hawk.igs.net		
Name of Well Technician (First Name, Last Name) Bruce Downing		Well Technician's Licence No. 2173	Date Submitted (yyyy/mm/dd) 2010/12/19	Signature of Technician 	

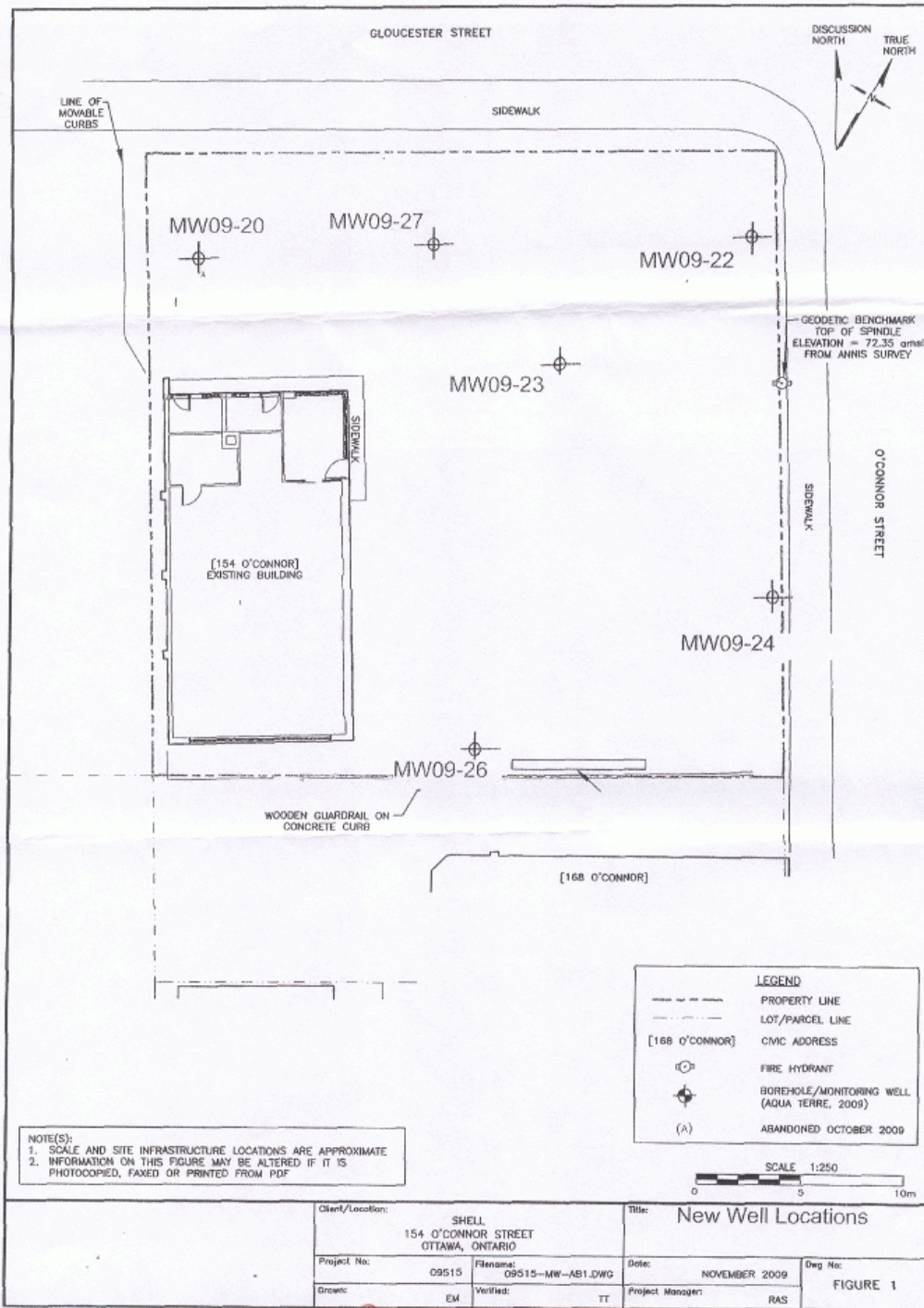
1991 (11/2006)

Date 1st Well in Cluster Constructed (yyyy/mm/dd) 2009/12/16	Date Last Well in Cluster Constructed (yyyy/mm/dd) 2009/12/21
Ministry Use Only	
Date Received (yyyy/mm/dd) FEB 02 2010	Date Inspected (yyyy/mm/dd)
Audit No. c 06171	Remarks m05547

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Ministry's Copy





C-1844 mossy7 C06171

FEB 02 2010



Ontario

Ministry of  
the Environment

Well Tag No. (

Tag#: A140221

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☒ Metric ☐ Imperial

Page \_\_\_\_\_ of \_\_\_\_\_

## Well Owner's Information

First Name <i>Claridge Homes Inc.</i>	Last Name / Organization <i>(Metcalfe Tower 1)</i>	E-mail Address <i>N/A</i>	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) <i>2001-210 Gladstone Ave.</i>	Municipality <i>Ottawa</i>	Province <i>On</i>	Postal Code <i>K2P0Y6</i>
		Telephone No. (inc. area code) <i>613 233 6030</i>	

## Well Location

Address of Well Location (Street Number/Name) <i>Lisgar Street</i>		Township <i>Former Nepean</i>	Lot <i>D</i>	Concession <i>C Rideau Front</i>
County/District/Municipality <i>Ottawa</i>		City/Town/Village <i>Ottawa</i>	Province <b>Ontario</b>	Postal Code
UTM Coordinates Zone Easting <i>1844580</i>		Northings <i>45029720</i>	Municipal Plan and Sublot Number	
NAD 83		Other		

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
Brown	Silt	Stone	Hard	0 2.8
Grey	clay	Silt	Soft	2.8 21.7
Grey	gravel	Sand, Stone	packed	21.7 22.5
Grey	limestone		layered	22.5 25.6

Annular Space			Results of Well Yield Testing			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )	After test of well yield, water was:			
From To			<input checked="" type="checkbox"/> Clear and sand free	Draw Down		
			<input type="checkbox"/> Other, specify	Time (min)	Water Level (m/ft)	Recovery
						Time (min)
			If pumping discontinued, give reason:	Static Level		
				1		1
			Pump intake set at (m/ft)	2		2
				3		3
			Pumping rate (l/min / GPM)	4		4
			Duration of pumping	5		5
			hrs + min	10		10
			Final water level end of pumping (m/ft)	15		15
			If flowing give rate (l/min / GPM)	20		20
				25		25
			Recommended pump depth (m/ft)	30		30
			Recommended pump rate (l/min / GPM)	40		40
			Well production (l/min / GPM)	50		50
			Disinfected?	60		60
			<input type="checkbox"/> Yes <input type="checkbox"/> No			

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input checked="" type="checkbox"/> Other, specify <i>Ar. Rotary</i>		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From To		
15.55	steel	0.48	0 22.5	<input type="checkbox"/> Water Supply	
15.55	open Hole		22.5 25.6	<input type="checkbox"/> Replacement Well	
				<input type="checkbox"/> Test Hole	
				<input checked="" type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input type="checkbox"/> Abandoned, other, specify	
				<input type="checkbox"/> Other, specify	

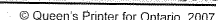
Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)
			From To

Water Details		Hole Diameter	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
24 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
		0 22.5	24.8
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	22.5 25.6	15.55
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Well Contractor and Well Technician Information			
Business Name of Well Contractor <i>Bonnamys Well Drilling Ltd.</i>		Well Contractor's Licence No. <i>74117</i>	
Business Address (Street Number/Name) <i>151 Montee D'Arrest</i>		Municipality <i>Nation</i>	
Province <i>On</i>	Postal Code <i>K0A3C0</i>	Business E-mail Address <i>N/A</i>	
Bus. telephone No. (inc. area code) <i>613 987 5291</i>		Name of Well Technician (Last Name, First Name) <i>GENIER, MICHAEL</i>	
Well Technician's Licence No. <i>3493</i>		Signature of Technician and/or Contractor <i>[Signature]</i>	
		Date Submitted <i>2012/1/24</i>	

Map of Well Location			
Please provide a map below following instructions on the back.			
Comments:			

Well owner's information		Ministry Use Only	
Date Package Delivered <i>2012/1/14</i>	Date Work Completed <i>2012/1/14</i>	Audit No. <b>Z 160870</b>	Received <b>JAN 04 2013</b>
<input checked="" type="checkbox"/> Yes			
<input type="checkbox"/> No			



## Adrian Menyhart

---

**From:** Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** June-06-18 6:10 PM  
**To:** Adrian Menyhart  
**Subject:** RE: Records Search Request - 180 Metcalfe Street - No Record Found

### No Records Found

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are **no fuel storage tanks records** in our database at the subject address(es).

For copies of documents, please complete the Release of Public Information form, found at <https://www.tssa.org/en/about-tssa/resources/Release-of-Records-form--Jan-2018Final.pdf> and email the completed form to [publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org) or through mail along with the appropriate fee. TSSA's fee schedule can be found at: [https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule\\_Jan\\_2018.pdf](https://www.tssa.org/en/about-tssa/resources/Documents/Public-Information-Fee-Schedule_Jan_2018.pdf). Fees are payable with a credit card (Visa or MasterCard) or by 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:** Adrian Menyhart <AMenyhart@Patersonsongroup.ca>  
**Sent:** June 6, 2018 2:51 PM  
**To:** Public Information Services <publicinformationsservices@tssa.org>  
**Subject:** Records Search Request - 180 Metcalfe Street

Good Afternoon,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills or other incidents/infractions for the following addresses for properties located in Ottawa, ON

180 Metcalfe Street  
193 Metcalfe Street  
225 Lisgar Street  
170 Metcalfe Street  
88 Nepean Street  
171 O'Connor Street  
231 Lisgar Street  
160 Elgin Street  
257 Lisgar Street  
201 Metcalfe Street

Best Regards,

Adrian Menyhart, P.Eng.

**patersongroup**  
solution oriented engineering

154 Colonnade Road South

Ottawa, Ontario, K2E 7J5

Tel: (613) 226-7381 Ext. 208

Fax: (613) 226-6344

Email: [amenyhart@patersongroup.ca](mailto:amenyhart@patersongroup.ca)

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.





File Number: C10-01-13-0282

December 5, 2014

Jenevieve Allan  
EXP Services Inc.  
2650 Queensview Drive, Unit 100  
Ottawa, ON  
K2B 8H6

*Sent via email [Jenevieve.Allan@exp.com]*

Dear Ms. Allan,

**Re: Information Request  
180 Metcalfe Street, Ottawa, Ontario ("Subject Property")**

**Internal Department Circulation**

The Planning and Growth Management Department has the following information in response to your request for information regarding the Subject Property:

- No information was returned on the Subject Property from Departmental circulation.

**Search of Historical Land Use Inventory**

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

A search of the HLUI database revealed the following information:

- There are five activities associated with the Subject Property: Activity Number 11157, 13702, 2598, 2841, 5573.

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The search revealed the following:

*Shaping our future together  
Ensemble, formons notre avenir*

City of Ottawa  
Infrastructure Services and Community  
Sustainability Department  
Planning and Growth Management Branch  
  
110 Laurier Avenue West, 4th Floor  
Ottawa, ON K1P 1J1  
Tel: (613) 580-2424 ext. 14743  
Fax: (613) 560-6006  
[www.ottawa.ca](http://www.ottawa.ca)

Ville d'Ottawa  
Services d'infrastructure et Viabilité des  
collectivités  
Direction de l'approbation des demandes  
d'aménagement et d'infrastructure  
  
110, avenue Laurier Ouest, 4e étage  
Ottawa (Ontario) K1P 1J1  
Tél.: (613) 580-2424 ext. 14743  
Télééc: (613) 560-6006  
[www.ottawa.ca](http://www.ottawa.ca)

- There are 15 activities associated with properties located within 50m of the Subject Property: Activity Number 6574, 13265, 14967, 8475, 7957, 1126, 13449, 14895, 1536, 3961, 5414, 6821, 6904, 7649, 9166.

Please note that Activity Numbers 8475 and 7957 have a PIN Certainty of "2". This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the Subject Property or on certain properties within 50m of the Subject Property. All database entries with a PIN Certainty of "2" require independent verification as to their precise location.

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database's location of the Activity Numbers with a PIN Certainty of "2".

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

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

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

If you have any further questions or comments, please contact John Bernier at 613-580-2424 ext. 14743 or [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca)

Sincerely,

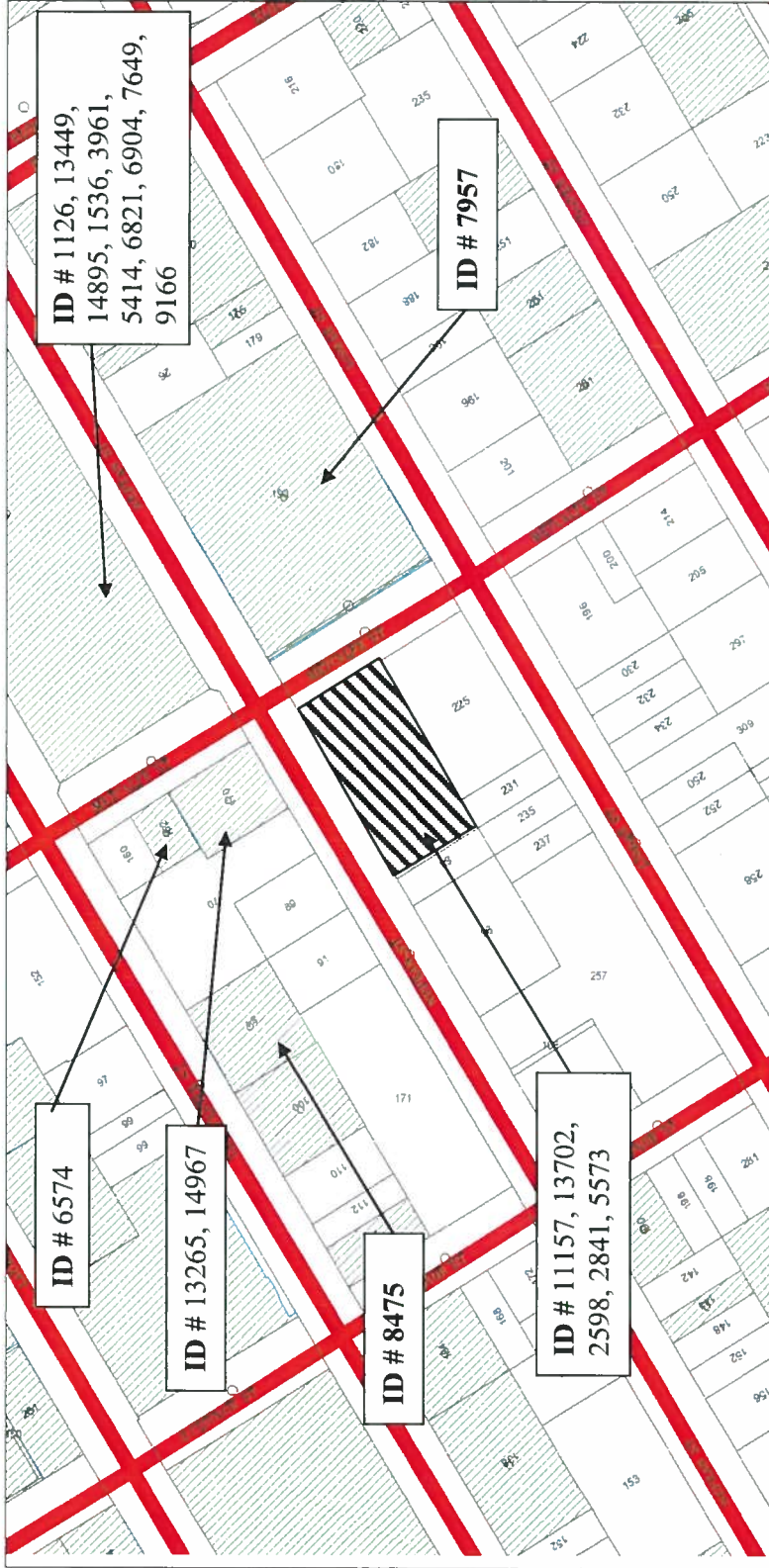


David Wise, MUP, MCIP, RPP  
Program Manager  
Development Review (Suburban Services) - West  
Planning and Growth Management Department

DW/JB

Attach: 21

cc: File no. C10-01-13-0282



Scale 1: n/a

180 Metcalfe  
Ottawa, ON  
File # C10-01-13-0282  
John Bernier



ID# = Activity Identification Number



Overview



CITY OF OTTAWA  
HLUI ID: \_\_679EDP  
AREA (Square Metres): 911.142

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:47:56

Study Year  
1998

PIN  
041150152

Multi-NAIC  
Y

Multiple Activities  
N

Activity ID: 8475 Multiple PINS: Y  
PIN Certainty: 2 Previous Activity ID(s) : 828

Related PINS: 041150151

Name: LO-MOR PRINTERS  
Address: 86 GLOUCESTER STREET, OTTAWA  
Facility Type: Commercial Printing Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: S.1958, S.1961, S.1964-65, S.1970/71, M.1949, M.1957, M.1958, M.1961, M.1963, M.1964, M.1970, M.1971,

HL References 2:

HL References 3:

NAICS	SIC
323119	281
323116	281
323115	281
323114	281

Company Name

Lo-Mor Printers

Year of Operation

c. 1956-1971



CITY OF OTTAWA  
HLUI ID: \_\_670H3D  
AREA (Square Metres): 721.864

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:48:35

Study Year  
1998

PIN  
041150171

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 13265 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150171

Name: SUNNY CLEANERS & ALTERATIONS

Address: 170 METCALFE STREET, OTTAWA

Facility Type: Laundries and Cleaners

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

812320 0

Company Name

SUNNY CLEANERS & ALTERATIONS

Year of Operation

c. 2001





CITY OF OTTAWA

HLUI ID: \_\_670H3D

AREA (Square Metres): 721.864

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:48:35

Study Year  
1998

PIN  
041150171

Multi-NAIC  
Y

Multiple Activities  
Y

---

Activity ID: 14967 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 3064  
Related PINS: 041150171  
Name: XEROX OF CANADA LIMITED  
Address: 170 METCALFE STREET, OTTAWA  
Facility Type: Commercial Printing Industries  
Comments 1: Unit 100 - 101  
Comments 2:  
Generator Number:  
Storage Tanks:  
HL References 1: M.1960, M.1970, M.1980  
HL References 2:  
HL References 3:

NAICS	SIC
323114	281
323116	281
323119	281
323115	281

Company Name

Xerox of Canada Ltd.

Year of Operation

c. 1970



CITY OF OTTAWA

HLUI ID: \_\_679BKJ

AREA (Square Metres): 282.481

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:49:07

Study Year  
2005

PIN  
041150155

Multi-NAIC  
N

Multiple Activities  
N

Activity ID: 6574

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) :

Related PINS: 041150155

Name: HARRINGTON COMPUTER SERVICES

Address: 164 METCALFE STREET, OTTAWA

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

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

811210 0

Company Name

HARRINGTON COMPUTER SERVICES

Year of Operation

c. 2001



CITY OF OTTAWA  
HLUI ID: \_\_679GVH  
AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 1126 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150156

Name: ALLEN MAINTENANCE

Address: 160 ELGIN STREET, OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

561722 0

Company Name

ALLEN MAINTENANCE

Year of Operation

c. 2001





CITY OF OTTAWA

HLUI ID: \_\_679GVH

AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 13449 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 2704  
Related PINS: 041150156  
Name: XEROX BUSINESS SERVICES  
Address: 160 ELGIN STREET, OTTAWA  
Facility Type: Commercial Printing Industries  
Comments 1: BELL CANADA BUILDING, ROOM 97  
Comments 2:  
Generator Number: ON0191809  
Storage Tanks:  
HL References 1: M.1960, M.1970, M.1980  
HL References 2:  
HL References 3: 2000 PID

NAICS	SIC
323114	281
323116	0
323115	281
323115	0
323116	281
323119	281
323119	0

Company Name

XEROX BUSINESS SERVICES

The Printery

XEROX BUSINESS SERVICES

Year of Operation

c. 2003

c. 1980

c. 2000



CITY OF OTTAWA  
HLUI ID: \_\_679GVH  
AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 14895 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150156

Name: ZOOM AIRLINES

Address: 160 ELGIN STREET,

Facility Type: Air Transport Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

481110 0

Company Name

ZOOM AIRLINES

Year of Operation

c 2005



CITY OF OTTAWA  
HLUI ID: \_\_679GVH  
AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 1536 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150156

Name: BELL CANADA

Address: 160 ELGIN STREET, OTTAWA

Facility Type: Telecommunication Carriers Industry

Comments 1:

Comments 2:

Generator Number: ON0473815

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS SIC

517310	0
517910	0
517210	0
517410	0
517110	0

Company Name

Year of Operation

BELL CANADA

c. 2000

BELL CANADA

c. 2001

BELL CANADA

c. 2003





CITY OF OTTAWA

HLUI ID: \_\_679GVH

AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3961 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150156

Name: DECIMA PUBLISHING

Address: 160 ELGIN STREET,

Facility Type: Combined Publishing and Printing Industries

Comments 1: #1800

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

511120 0

Company Name

DECIMA PUBLISHING

Year of Operation

c. 2005



CITY OF OTTAWA  
HLUI ID: \_\_679GVH  
AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

---

Activity ID: 5414 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) :  
Related PINS: 041150156  
Name: G R JEWELLERS  
Address: 160 ELGIN STREET, OTTAWA  
Facility Type: Jewellery Stores and Watch and Jewellery Repair Shops  
Comments 1:  
Comments 2:  
Generator Number:  
Storage Tanks:  
HL References 1:  
HL References 2:  
HL References 3: 2001 Employment Survey

NAICS SIC  
448310 0

Company Name  
G R JEWELLERS

Year of Operation  
c. 2001



CITY OF OTTAWA  
HLUI ID: \_\_679GVH

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:49:27

AREA (Square Metres): 8875.803

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 6821 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 2702

Related PINS: 041150156

Name: HILLARY CLEANERS  
Address: 160 ELGIN STREET, OTTAWA  
Facility Type: Laundries and Cleaners  
Comments 1:  
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1960, M.1970, M.1980, SC98

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
812320	972
812330	972
561740	972
812320	0
812310	972

#### Company Name

Parker Cleaners

HILLARY CLEANERS

#### Year of Operation

c. 1980-1998

c. 2001

**CITY OF OTTAWA**

HLUI ID: \_\_679GVH

AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998PIN  
041150156Multi-NAIC  
YMultiple Activities  
Y

Activity ID: 6904

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 566

Related PINS: 041150156

Name: HUGUELET'S SERVICE STATION

Address: 170 ELGIN STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: No tanks appear on the FIPs for 1948 and 1956 but name still says gasoline.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1948-123-217. FIP1956-123/2-217. FIP1922-37-217.vol1. M.1900, M.1910, M.1920, M.1930, M.1940, M.1949, M.1950, M.1957, M.1960, M.1970, M.1980

HL References 2:

HL References 3:

**NAICS SIC**

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

**Company Name****Year of Operation**

Huguelet's Service Station

c. 1948

Elgin Service Station

c. 1960

Champlain Oil Products Ltd.

c. 1950

La Grave Service Station

c. 1950





CITY OF OTTAWA  
HLUI ID: \_\_679GVH

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:49:27

AREA (Square Metres): 8875.803

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 7649 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 5221  
Related PINS: 041150156  
Name: SOOTER'S PHOTOGRAPHY  
Address: 160 ELGIN STREET,  
Facility Type: Platemaking, Typesetting and Bindery Industry  
Comments 1: #106  
Comments 2:  
Generator Number:  
Storage Tanks:  
HL References 1: SC98  
HL References 2:  
HL References 3: 2005 Select Phone

NAICS	SIC
812921	282
812922	0
323120	282
812921	0

Company Name	Year of Operation
KARA FOTO 1 HOUR LAB	c. 2001
SOOTER'S PHOTOGRAPHY	c. 2005
Kara Foto 1 Hour Lab.	c. 1998



CITY OF OTTAWA

HLUI ID: \_\_679GVH

AREA (Square Metres): 8875.803

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:49:27

Study Year  
1998

PIN  
041150156

Multi-NAIC  
Y

Multiple Activities  
Y

---

Activity ID: 9166 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) :  
Related PINS: 041150156  
Name: MEDIA ACTION  
Address: 160 ELGIN STREET, OTTAWA  
Facility Type: Motion Picture Laboratories and Video Production Facilities  
Comments 1:  
Comments 2:  
Generator Number:  
Storage Tanks:  
HL References 1:  
HL References 2:  
HL References 3: 2001 Employment Survey

NAICS SIC  
512110 0

Company Name  
MEDIA ACTION

Year of Operation  
c. 2001



CITY OF OTTAWA  
HLUI ID: \_\_679GJN  
AREA (Square Metres): 4947.781

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:51:05

Study Year  
1998

PIN  
041150263

Multi-NAIC  
Y

Multiple Activities  
N

Activity ID: 7957 Multiple PINS: N  
PIN Certainty: 2 Previous Activity ID(s) : 5556

Related PINS: 041150263

Name: KOPP LABORATORIES LIMITED  
Address: 184 METCALFE STREET, OTTAWA  
Facility Type: Medical and Other Health Laboratories

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

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

HL References 2:

HL References 3:

NAICS	SIC
621990	868
621510	868

Company Name

Kopp Laboratories Ltd

Year of Operation

c. 1960



CITY OF OTTAWA  
HLUI ID: \_\_679FVQ  
AREA (Square Metres): 1821.781

Report: RPTC\_OT\_DEV0122  
Run On: 19 Nov 2013 at: 08:46:16

Study Year  
1998

PIN  
041150258

Multi-NAIC  
Y

Multiple Activities  
Y

---

Activity ID: 11157 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) :  
Related PINS: 041150258  
Name: POST PLUS  
Address: 180 METCALFE STREET, OTTAWA  
Facility Type: Motion Picture Laboratories and Video Production Facilities  
Comments 1:  
Comments 2:  
Generator Number:  
Storage Tanks:  
HL References 1:  
HL References 2:  
HL References 3: 2001 Employment Survey

NAICS SIC  
512110 0

Company Name	Year of Operation
POST PLUS	c. 2001
TELEVISION FACTORY THE	c. 2001





CITY OF OTTAWA

HLUI ID: \_\_679FVQ

AREA (Square Metres): 1821.781

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:46:16

Study Year  
1998

PIN  
041150258

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 13702 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150258

Name: TIDY KLEAN

Address: 180 METCALFE STREET, OTTAWA

Facility Type: Service Industries Incidental to Air Transport

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

561722 0

Company Name

TIDY KLEAN

Year of Operation

c. 2001

**CITY OF OTTAWA**

HLUI ID: \_\_679FVQ

AREA (Square Metres): 1821.781

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:46:16

Study Year  
1998PIN  
041150258Multi-NAIC  
YMultiple Activities  
Y

---

Activity ID: 2598 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 5162  
Related PINS: 041150258  
Name: CANADIAN MEDICAL LABORATORIES LIMITED  
Address: 180 METCALFE STREET, OTTAWA  
Facility Type: Medical and Other Health Laboratories  
Comments 1: STE. 402  
Comments 2:  
Generator Number: ON0245133  
Storage Tanks:  
HL References 1: SC98  
HL References 2:  
HL References 3: 2000 PID

NAICS	SIC
621510	0
621990	868
621510	868

**Company Name**

CANADIAN MEDICAL LABORATORIES LIMITED

Canadian Medical Laboratories Ltd.

**Year of Operation**

c. 2000

c. 1998



CITY OF OTTAWA

HLUI ID: \_\_679FVQ

AREA (Square Metres): 1821.781

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:46:16

Study Year  
1998

PIN  
041150258

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 2841 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150258

Name: CARSWELL GOVERNMENT SALES

Address: 180 METCALFE STREET,

Facility Type: Combined Publishing and Printing Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS SIC

512230 0

511130 0

Company Name

CARSWELL GOVERNMENT SALES

Year of Operation

c. 2005



CITY OF OTTAWA

HLUI ID: \_\_679FVQ

AREA (Square Metres): 1821.781

Report: RPTC\_OT\_DEV0122

Run On: 19 Nov 2013 at: 08:46:16

Study Year  
1998

PIN  
041150258

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 5573 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041150258

Name: GALLERY E PHOTOGRAPHY STUDIO

Address: 180 METCALFE STREET, OTTAWA

Facility Type: Photographers

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC

541920 0

Company Name

GALLERY E PHOTOGRAPHY STUDIO

Year of Operation

c. 2001



# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

## **Adrian Menyhart, B.Eng/ing./P.Eng.**

Adrian received his Bachelor's of Engineering from Carleton University in 2011, with a specialization in environmental engineering. During the summers of 2009 through 2011, Adrian worked for the Canadian Food Inspection Agency as an Inspector within the Ottawa region. During Adrian's summer experience he would gain invaluable experience with time management, relations with other government departments as well as the general public and data and information collection. Upon completion of Adrian's summer employment with Canadian Food Inspection Agency in 2011, Adrian started his career as a junior environmental specialist at Paterson within the Environmental Division under the guidance of Mark D'Arcy and other senior personnel. During his time at Paterson, Adrian has accumulated extensive experience with Phase I and Phase II environmental site assessments, remediation inspections, environmental monitoring and field procedures. Being fluently bilingual in English and French, Adrian has experience working in both Ontario and Quebec, and is currently pursuing membership with governing engineering bodies in both provinces. Adrian's work experience has provided an opportunity to gain valuable knowledge about the environment industry, which has lead to his advancement within the Paterson office and ability to be a contributor to the Environmental Divisions success.

### **EDUCATION**

B.Eng. 2011, Environmental Engineering, Carleton University, Ottawa, ON

### **LICENCE/ PROFESSIONAL AFFILIATIONS**

Ordre des Ingénieurs du Québec  
Professional Engineers of Ontario  
Ottawa Geotechnical Group

### **YEARS OF EXPERIENCE**

With Paterson: 5

With other Firms: 1

### **OFFICE LOCATION**

Paterson's Ottawa Office

### **SELECT LIST OF PROJECTS**

- Ottawa Heart Institute Construction, Ottawa, ON (project manager) – Conducted air sampling for parameters such as particulate matter, lead, mould and asbestos
- Ottawa Arts Gallery Expansion, Ottawa, ON (remediation supervisor) – Provided guidance in the segregation of soils on the site, managing contaminated and clean materials, providing daily correspondence with the client.
- Rideau Centre Expansion, Ottawa, ON (remediation supervisor) – Provided guidance in the segregation of soils on the site, managing contaminated and clean materials.
- Tweedsmuir and Carling Avenue water and sewer main rehabilitation, Ottawa, ON (remediation supervisor) – Provided guidance for the management of contaminated materials within the sewer and water main excavations.
- Conducted numerous designated substance surveys and asbestos surveys throughout Ontario and Quebec, collecting representative samples of potential asbestos containing materials and preparing comprehensive reports.
- Conducted numerous air sampling programs, collecting samples for environmental parameters such as asbestos, lead and mould, and preparing reports.
- Conducted Phase I and II Environmental Site Assessments across Ontario and Quebec
- Groundwater Monitoring and Sampling

**PROFESSIONAL EXPERIENCE**

September 2011 to present, **Environmental Engineer, Paterson Group Inc.**, Ottawa, Ontario

- Provide on-site environmental expertise for remediation projects including Ottawa Arts Gallery, Rideau Centre Expansion and Tall Ships Landing, among various small scale remediation project within the greater Ottawa area.
- Coordinate field programs and prepare reports for Phase I and II projects across Ontario and Quebec.
- Oversee environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Conduct designated substance surveys in Ontario and Quebec.
- Coordinate air sampling programs for various environmental parameters, comparing results with regulatory standards and other guidelines.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations for environmental concerns.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for environment field programs and construction costs.

June to September from 2009 to 2011, **Inspector, Canadian Food Inspection Agency**, Ottawa, Ontario

- Conducted the trapping program for the Emerald Ash Borer across Eastern Ontario.
- Assisted in the preparation and training of other inspectors for the trapping program.
- Conducted inspections for restricted wood products at various campgrounds.
- Assisted other inspectors in inspecting shipments of wood products from other countries, in certain cases, seizing and disposing of items.
- Compiling data and preparing reports.

## Mark S. D'Arcy, P.Eng., QP<sub>ESA</sub> Senior Environmental/Geotechnical Engineer

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

### EDUCATION

B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

### LICENCE/ PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

ESA Qualified Person with MOECC

Ottawa Geotechnical Group

Consulting Engineers of Ontario

### YEARS OF EXPERIENCE

With Paterson: 26

### OFFICE LOCATION

154 Colonnade Road South,  
Nepean, Ontario, K2E 7J5

### SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario ( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario ( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario ( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario ( Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario( Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Riverview Development – Kingston, Ontario, Phase I ESA, Phase II ESA, and filing of an RSC in the MOECC Environmental Site Registry (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavagine (Senior Project Manager)

## **PROFESSIONAL EXPERIENCE**

May 2001 to present, **Manager of Environmental Division, Paterson Group Inc.,** Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, **Geotechnical and Environmental Engineer, Paterson Group Inc.,** Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.