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**PHASE ONE ENVIRONMENTAL SITE ASSESSMENT  
24 & 26 PRETORIA AVENUE  
OTTAWA, ON**

Submitted to:

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

Prepared by:

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

Project Number: 190419

26 November 2019

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## 1. INTRODUCTION

In May 2019 BluMetric Environmental Inc. (BluMetric™) was retained by JB Holdings Inc. (the Client) to complete a Phase One Environmental Site Assessment (ESA) for the properties located at 24 & 26 Pretoria Avenue in Ottawa, Ontario (subsequently referred to as the “Phase One Property”). This Phase One ESA is being performed for due diligence purposes, to identify potential environmental liabilities, if any, on the Phase One Property for Site Plan Approval with the City of Ottawa in general accordance with Ontario Regulation 153/04, as amended (O. Reg. 153/04). It is understood that this Phase One ESA is required to be completed prior to the redevelopment of the Phase One Property and will not be used in the filing of a Record of Site Condition (RSC). Therefore, a current stamped legal survey and land title search was not completed as part of this Phase One ESA.

The Phase One Property is located in Ottawa, Ontario, as shown in Figure 1.

### 1.1 PHASE ONE PROPERTY INFORMATION

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

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

- 24 Pretoria Avenue, Ottawa, Ontario K1S 1W7
- 26 Pretoria Avenue, Ottawa, Ontario K1S 1W7

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

- 24 Pretoria Avenue: Plan 53786, Part Lot 3; RP4R-2310 Part 2 (PIN) 041320191
- 26 Pretoria Avenue: Plan 53786, Part Lot 3; RP4R-2310 Part 1 (PIN) 041320190

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

The Phase One Property is currently owned by:

JB Holdings Inc. (24 Pretoria Avenue)

JB Holdings Inc. (26 Pretoria Avenue)



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

The principal client contact is as follows:

JB Holdings Inc.  
107 Pretoria Avenue  
Ottawa, Ontario  
K1S1W8  
Office: 613-695-6767  
[www.jbholdingsinc.ca](http://www.jbholdingsinc.ca)

## 1.2 TERMS OF REFERENCE

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

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

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



### 1.3 GENERAL DESCRIPTION OF THE PHASE ONE PROPERTY

As provided by the City of Ottawa, the Phase One Property has a total area of approximately 0.08 acres (0.033 hectares) and is rectangular in shape with a frontage of approximately 11 m along Pretoria Avenue and a depth of approximately 30 m. The Phase One Property is currently developed with one semi-detached, multi-level residential building and two paved driveways. The remaining portions of the Phase One Property are landscaped. The Phase One Property is located on the south side of Pretoria Avenue and currently zoned Residential Fifth Density (R5C). The Phase One Property is immediately surrounded to the south and west by residential land use (R3 and R4), commercial/mixed land use (LC1) to the east and commercial/mixed land use (GM4) to the north.

Based on the Fire Insurance Maps (FIM) and aerial photography reviewed, the Phase One Property was first developed prior to 1912. Prior to its original residential construction, it is suspected the Phase One Property was vacant and used for recreational purposes, but this cannot be confirmed based on the information reviewed.

The Phase One Property is shown in Figure 2. The Phase One Property and Phase One Study Area are shown in Figure 3.

## 2. SCOPE OF INVESTIGATION

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

In September 2018 BluMetric was retained by Royal LePage Performance Realty (Royal LePage) on behalf of the Client to prepare a Phase One ESA for the properties located at 28 & 30 Pretoria Avenue in Ottawa, Ontario.

Since September 2018, the Client purchased the Phase One Property and will be submitting for Site Plan Approval with the City of Ottawa prior to the redevelopment of the four municipal addresses jointly. Therefore, BluMetric has completed the necessary records review, site reconnaissance, interviews and reporting for the Phase One Property and has been prepared as an addendum to:

*BluMetric Environmental Inc. 2019. Phase One Environmental Site Assessment, 28 & 30 Pretoria Avenue, Ottawa, Ontario, Project Number 180623. Dated 26 November 2019 (BLM, 2019)*





This addendum report refers only to the Phase One Property, as described above. Information pertaining to terms of reference, scope of investigation, 28 & 30 Pretoria Avenue and the Phase One Study Area remains unchanged and presented in the above noted report.

### **3. RECORDS REVIEW**

#### **3.1 GENERAL**

##### **3.1.1 Phase One Study Area**

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

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

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

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

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



### **3.1.3 Fire Insurance Maps**

A request was submitted to ERIS by BluMetric in September 2018 (BLM, 2019). The FIM for the years 1901, 1912, 1948, and 1963 were provided for review by Opta Information Intelligence and are summarized as follows:

#### **1901 – Fire Insurance Map for the Phase One Property**

The FIM from 1901 does not show any residential development on the Phase One Property. Three possible scenarios exist: the land was vacant and undeveloped, the land was recreational and occupied by the Metropolitan Athletic Grounds, or the land was developed with residential properties which were not included on the FIM. Tanks or other information was not identified for the Phase One Property.

The actual land use on the Phase One Property in 1901 cannot be confirmed based on the information provided.

#### **1912 – Fire Insurance Map for the Phase One Property**

The FIM from 1912 illustrates Pretoria Avenue, Metcalfe Street, and Elgin Street bordering the Phase One Property. One semi-detached residential building is visible and corresponds to 24 & 26 Pretoria Avenue. Tanks or other information was not identified for the Phase One Property.

#### **1948 – Fire Insurance Map for the Phase One Property**

The FIM from 1948 illustrates Pretoria Avenue with Metcalfe Street and Elgin Street bordering the Phase One Property. One semi-detached residential building is visible and corresponds to 24 & 26 Pretoria Avenue. Tanks or other information was not identified for the Phase One Property.

#### **1963 – Fire Insurance Map for the Phase One Property**

The FIM from 1963 illustrates Pretoria Avenue with Metcalfe Street and Elgin Street bordering the Phase One Property. One semi-detached residential building is visible and corresponds to 24 & 26 Pretoria Avenue. Tanks or other information was not identified for the Phase One Property.

### **3.1.4 Chain of Title**

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



### **3.1.5 Environmental Reports**

Previous reports for the Phase One Property or properties within the Phase One Study Area were not provided for review.

## **3.2 ENVIRONMENTAL SOURCE INFORMATION**

A search of federal government, provincial government and private database records was completed by ERIS in September 2018 (BLM, 2019).

### **3.2.1 Federal Government Database Records**

Records of environmental interest or PCA related to the Phase One Property were not identified within the federal government database records.

### **3.2.2 Ontario Government Database Records**

Records of environmental interest or PCA related to the Phase One Property were not identified within the provincial government databases searched.

### **3.2.3 Ontario Ministry of the Environment, Conservation and Parks**

A request for information about the Phase One Property was filed with the MECP FOI on May 13, 2019. A response was received on May 17, 2019.

A response was received on May 17, 2019. Records were not located within the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch for the Phase One Property.

Correspondence with the MECP FOI is provided in Appendix A.

### **3.2.4 Ontario Ministry of Natural Resources**

Areas of Natural and Scientific Interest (ANSI) includes water bodies, wetlands, wooded areas, conservation areas, municipal parks, provincial parks, natural parks and nature reserves. An ANSI map was provided by ERIS in September 2018 (BLM, 2019).

ANSI was not identified within the Phase One Property.



### **3.2.5 Technical Standards and Safety Authority**

A request for information about the Phase One Property was filed with the Technical Standards & Safety Authority (TSSA) on May 13, 2019 for information of any outstanding instructions, incident reports, fuel oil spills, or contamination records respecting the Phase One Property from all historical records to present. A response was received on June 7, 2019. No records were located for the Phase One Property.

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

Correspondence with the TSSA is provided in Appendix A.

### **3.2.6 Municipal Records**

A search of the HLUI (Historical Land Use Inventory) database was requested on October 31, 2019. A response was received from the City of Ottawa on November 18, 2019. The City of Ottawa reported that there are no records pertaining to the Phase One Property within the HLUI database. There were several records identified within the HLUI database associated with properties located within the Phase One Study Area. A review of these records identified one new potential PCA. A former waste disposal site (X1102) is identified approximately 120 m to the east of the Phase One Property. This site was identified in the 2019 BLM report; however, the coordinates provided in the Ministry records indicated that the site was outside of the Phase One Property Study Area.

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

### **3.2.7 Private Records**

Records of environmental interest or PCA related to the Phase One Property were not identified within the private databases searched.

### **3.2.8 Waste Disposal Sites**

Reference BluMetric, 2018 report.



### 3.2.9 Coal Gasification Plants and Coal Tar Sites

Reference BluMetric, 2018 report.

### 3.2.10 Polychlorinated Biphenyls Sites

Reference BluMetric, 2018 report.

## 3.3 PHYSICAL SETTING SOURCES

### 3.3.1 Aerial Photos

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

Photo Date	Phase One Property Description
1928	The Phase One Property appears to be developed with one semi-detached, residential building similar in configuration as its current development. Paved driveways are observed along the north portion of the Phase One Property adjacent Pretoria Avenue while landscaped areas appear within the south portion.
1958	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
1965	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
1976	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
1991	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
2007	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
2013	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
2014	The Phase One Property appears to be similar as described in the 1928 aerial photograph.
2017	The Phase One Property appears to be similar as described in the 1928 aerial photograph.

Aerial photographs are provided in Appendix B.

### 3.3.2 Topography, Hydrology, Geology

Reference BluMetric, 2018 report.



### 3.3.3 Fill Materials

Records regarding the placement of fill materials at the Phase One Property were not available for review. No indication of the placement of fill was observed during the site reconnaissance.

### 3.3.4 Water Bodies

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

### 3.3.5 Well Records

Groundwater monitoring wells were not observed on the Phase One Property during the site reconnaissance.

### 3.3.6 Site Operating Records

## REGULATORY PERMITS

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

## 4. INTERVIEWS

Interviews were completed for the Phase One Property by Mrs. Julia LaRonde, C.E.T. under the supervision of Ms. Karen Greer, QPESA (subsequently referred to as the QP) of BluMetric. Assessor Credentials are provided in Appendix C. Interview questions were designed by QP and conducted on May 28, 2019 with Ms. Kristen Buter, Vice President of JB Holdings Inc. via email correspondence.

A summary of the information provided by Ms. Buter, to the best of her knowledge, is provided below:

- Ms. Buter reported that the previous residential tenants, whom currently still occupy the building, did not provide any information in regards to the Phase One Property.
- Ms. Buter reported that JB Holdings Inc. currently owns the Phase One Property, purchasing one month ago.



- Ms. Buter reported that the age of the building is unknown but estimated at approximately 80 years.
- Ms. Buter reported that it is unknown what occupied the Phase One Property prior to its residential development.
- Ms. Buter is not aware of any known or suspected groundwater or soil contamination on the Phase One Property.
- Ms. Buter is not aware of any current or historical underground and/or aboveground storage tanks installed or used at the Phase One Property.
- Ms. Buter reported that the Phase One Property is currently serviced by Hydro Ottawa, Enbridge Gas and the City of Ottawa water and sewer system.
- Ms. Buter is not aware of any current or historical leaks, spills, staining or unusual odours at the Phase One Property.
- Mr. Buter is not aware of any unusual odours or sheen within the sump pits and/or drains within the basements on the Phase One Property.
- Mr. Buter is not aware of any current or historical fill material used at the Phase One Property.

## 5. SITE RECONNAISSANCE

### 5.1 GENERAL REQUIREMENTS

The Phase One Property was visited for approximately 1 hour on May 24, 2019 by Mrs. Julia LaRonde, C.E.T. of BluMetric. Weather conditions were clear and wet; ambient air temperature was approximately 12°C. Access to the entire Phase One Property was possible during the site reconnaissance, with the exception of the second floor in both 24 & 26 Pretoria Avenue.

In addition, 24 Pretoria Avenue was extremely cluttered causing difficulty in viewing interior basement walls and floor and permission for interior photos was not granted. There are no concerns regarding the inaccessible area. Photographs of the Phase One Property exterior compiled during the site reconnaissance are included in Appendix B.

Subsequently, the Phase One Property was visited for approximately 0.5 hour on October 29, 2019 by Mrs. Karen Greer, QP of BluMetric. Access was provided to the basement of 24 Pretoria Avenue during the site reconnaissance. The previously observed clutter has been cleared to an extent that the interior basement walls and floor could be inspected. Photographs compiled during the site reconnaissance are included in Appendix B.



## 5.2 SPECIFIC OBSERVATIONS AT PHASE ONE PROPERTY

### 5.2.1 Structures and Other Improvements

#### i. Description of Structures and Other Improvements

The Phase One Property was observed to be developed with one semi-detached, multi-level residential building and two paved driveways. The interior of the building consisted of living areas and storage space. Approximately 45% of the Phase One Property is covered by the building and paved driveways while the remaining 55% is covered by landscaped areas. Both backyards are fenced and have an attached deck at the back door.

#### ii. Below Ground Structures Associated With Structures and Other Improvements

The residential building has a below grade basements within each municipal address. The basements are constructed of poured concrete floor and concrete block and stone walls. The basements are unfinished and primarily used for storage and utilities. One sump was observed in the southwest corner of 26 Pretoria Avenue. The sump appeared to be in good condition and the water was clear with no sheen or unusual odours. No sump just a floor drain was observed in 24 Pretoria Avenue. The visible portions of the basement floors appear to be in good condition with no cracking or damaged areas. No tenants occupy either basement.

#### iii. Tanks

Tanks were not observed to be used or stored at the Phase One Property.

Evidence of former above ground storage tanks were not noted along the exterior walls or within the basements of the residential buildings. Staining was not observed on the basement floors of 24 or 26 Pretoria.

#### iv. Water Sources Associated With Structures and Other Improvements

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

### 5.2.2 Underground Utilities and Service Corridors

The Phase One Property is connected to electrical and communication utilities via overhead cables, and is serviced by natural gas. Electrical is provided by Hydro Ottawa while natural gas is provided by Enbridge Gas. Specific details are not available regarding the location, if any, of underground utilities and service corridors at the Phase One Property.





### 5.2.3 Interiors of Structures and Buildings

#### i. Entry/Exit Points

Various entry/exit points were observed at the Phase One Property. Both 24 & 26 Pretoria Avenue has a front and back door as well as multiple windows.

#### ii. Heating Systems

The residential building is heated by a natural gas fired furnaces and are serviced by Enbridge Gas. One furnace was observed in each basement space. Information in regards to maintenance practices was not received.

#### iii. Cooling Systems

Information was not provided in regards to cooling systems at the Phase One Property.

#### iv. Drains, Pits and Sumps

One sump was observed in the southwest corner of 26 Pretoria Avenue. The sump appeared to be in good condition and the water was clear with no sheen or unusual odours. The basement floor appeared to be in good condition with no cracking or damaged areas surrounding the sump.

Sump was not observed in 24 Pretoria Avenue, however, a floor drain was noted. The basement floor appeared to be in good condition with no staining, cracking or damaged areas surrounding the floor drain.

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

Buildings, structures or unidentified substances were not observed at the Phase One Property.

#### vi. Stains and Corrosion on Floors

Staining or corrosion was not observed at the Phase One Property.

### 5.2.4 Exterior Portions of the Phase One Property

#### i. Current and Former Wells

Current or former wells were not observed at the Phase One Property.

#### ii. Sewage Works

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



**iii. Ground Surface Details**

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

**iv. Railway Lines and Spurs**

Railway lines or spurs were not observed at the Phase One Property.

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

**i. Stained Soil, Vegetation or Pavement**

Stained soil, vegetation or pavement was not observed at the Phase One Property.

**ii. Stressed Vegetation**

Stressed vegetation was not observed at the Phase One Property.

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

Evidence of fill material or debris was not noted during the site reconnaissance. No information in regards to fill material or debris was received.

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

PCA were not identified in areas not covered by buildings or other structures were identified.

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

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

**5.2.6 Enhanced Investigation at the Property**

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

**i. Operations at the Phase One Property**

Operations were not observed at the Phase One Property.



- ii. **Hazardous Materials Used or Stored at the Phase One Property**  
Hazardous materials are not used or stored at the Phase One Property.
- iii. **Products Manufactured at the Phase One Property**  
Products manufactured were not observed at the Phase One Property.
- iv. **By-Products and Wastes at the Phase One Property**  
By-products and wastes were not observed at the Phase One Property.
- v. **Raw Materials Handling and Storage at the Phase One Property**  
Raw materials handling and storage was not observed at the Phase One Property.
- vi. **Details of Drums, Totes and Bins at the Phase One Property**  
Drums, totes or bins were not observed at the Phase One Property.
- vii. **Details of Oil/Water Separators**  
Oil/water separator was not observed at the Phase One Property.
- viii. **Vehicle and Equipment Maintenance Areas**  
Vehicle and equipment maintenance areas were not observed at the Phase One Property.
- ix. **Spills**  
Spills were not observed or reported for the Phase One Property.
- x. **Details of Liquid Discharge Points**  
Liquid discharge points were not observed at the Phase One Property.
- xi. **Equipment Used in Processing and Manufacturing**  
Equipment used in processing and manufacturing was not observed at the Phase One Property.
- xii. **Hydraulic Lift Equipment**  
Hydraulic life equipment was not observed at the Phase One Property.

### 5.2.7 Summary of Findings

As provided by the City of Ottawa, the Phase One Property has a total area of approximately 0.08 acres (0.033 hectares) and is rectangular in shape with a frontage of approximately 11 m along Pretoria Avenue and a depth of approximately 30 m.



The Phase One Property is located on the south side of Pretoria Avenue and currently zoned R5C. The Phase One Property is immediately surrounded to the south and west by residential land use (R3 and R4), commercial/mixed land use (LC1) to the east and commercial/mixed land use (GM4) to the north.

During the site reconnaissance, the Phase One Property was observed to be developed with one semi-detached, multi-level residential building, and two paved driveways. The remaining portions of the Phase One Property are landscaped. The interior of the residential buildings consisted of living areas and storage space.

It is assumed, based on the age of the building, that each residential home would have been historically equipped with heating oil above ground storage tanks. No staining, leaking or unusual odours were identified during the site reconnaissance indicating the possible location of the suspected historical above ground storage tank. No visual indications from sumps, floor drains or cracked foundations would indicate a pathway for environmental contamination from locations of the suspected historical heating oil above ground storage tank.

The risk, if any, due to the historical presence of heating oil above ground storage tank at the Phase One Property is considered low and not likely to pose an environmental concern to the Phase One Property.

### 5.3 WRITTEN DESCRIPTION OF THE INVESTIGATIONS

PCA were not noted on the Phase One Property during the site reconnaissance.

## 6. REVIEW AND EVALUATION OF INFORMATION

### 6.1 CURRENT AND PAST USES

The Phase One Property has the following history of use:

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



## 6.2 POTENTIALLY CONTAMINATING ACTIVITY

### 6.2.1 Phase One Property

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

### 6.2.2 Phase One Study Area

Reference BluMetric, 2018 report for a full list of the PCAs within the Phase One Study Area. One additional PCA has been added as a result of a HLUI search; this finding is summarized as follows.

Item	Potentially Contaminating Activity	Properties Associated with Potentially Contaminating Activity
58.	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	A historic waste disposal site is located approximately 120 m east of the Phase One Property.

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

## 6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

### 6.3.1 Evaluation of Information

Information from each of the components of the Phase One ESA was evaluated and considered in order to identify Areas of Potential Environmental Concern (APEC) on the Phase One Property based on the PCA identified on the Phase One Property.

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



The historic waste disposal site located within the Phase One Study Area, approximately 120 m east of the Phase One Property has been closed since 1920. There is limited information available for review, and wastes disposed at the historic landfill are unknown. Based on proximity, groundwater flow direction and the closure date, the risk, if any, is considered low and is not likely to pose an environmental concern to the Phase One Property.

### **6.3.2 Identified Areas of Potential Environmental Concern**

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

### **6.3.3 Contaminants of Potential Concern**

There are no contaminants of potential concern (COPC) identified at the Phase One Property.

### **6.3.4 Information Gaps in Phase One Investigation**

The Phase One Property was visited on May 24, 2019 and October 29, 2019 (basement of 24 Pretoria only). Access to the Phase One Property was provided as detailed above. All efforts were made to obtain records for the Phase One Property.

### **6.3.5 Phase One Conceptual Site Model**

The Phase One Conceptual Site Model (CSM) (Figure 4) for the Phase One Property and Phase One Study Area is found on Figure 4. It shows:

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



## **7. CONCLUSIONS**

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

It is the opinion of the QP that the PCA observed within the Phase One Study Area pose a low level of environmental risk and/or liability to the Phase One Property (BLM, 2019). Actual sources of environmental impact were not identified at the Phase One Property due to the current or historical land use at the Phase One Property or within the Phase One Study Area.

Based on the information collected during this Phase One ESA, no PCA were identified, therefore, Phase Two ESA is not recommended at this time.

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

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



## 8. LIMITING CONDITIONS

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

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


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


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


### STATEMENT AND SIGNATURE OF THE QUALIFIED PERSON

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

Respectfully submitted,  
BluMetric Environmental Inc.

  
Carolyn Miller, EIT.  
Engineer in Training

  
Karen Greer, M.Sc., P.Geol.  
Senior Hydrogeologist





## 9. REFERENCES

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

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

Intra Technologies Limited, 1988. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Prepared for Ontario Ministry of the Environment, Waste Management Branch. November.

Ontario Ministry of the Environment. 2011. Ontario Regulation 153/04 (as amended), Records of Site Condition – Part XV.1 of the Act. July 2011.

Ontario Ministry of the Environment (MOE), 1991. Waste Disposal Site Inventory. Prepared by the Waste Management Branch, PIBS 256, June. ISBN 0-7729-8409-3.

City of Ottawa "Urban Geology of the National Capital Region" <http://gsc.nrcan.gc.ca/urbgeoinatcapigeoserye.php>




## FIGURES





LEGEND

 Phase One Property



1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

**REFERENCES**  
 PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING.  
 THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.



**CLIENT**  
 JB Holdings Inc.

**PROJECT**  
 Phase One  
 Environmental Site Assessment  
 24, 26, 28 & 30 Pretoria Avenue,  
 Ottawa ON

**TITLE**  
 Phase One  
 Property Location

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

<b>PROJECT #</b> 190419	<b>DATE</b> May 29, 2019
<b>DRAWN</b> KH	<b>CHECKED</b> JL
<b>FIG NO.</b> 01	<b>REV</b> 0



**LEGEND**

Phase One Property Boundary

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK
<p><b>REFERENCES</b></p> <p><small>PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.</small></p>				

**CLIENT**

JB Holdings Inc.

**PROJECT**

Phase One  
Environmental Site Assessment  
24, 26, 28 & 30 Pretoria Avenue,  
Ottawa ON

**TITLE**

Phase One  
Property



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

<b>PROJECT #</b> 190419		<b>DATE</b> May 29, 2019		
<b>DRAWN</b> KH	<b>CHECKED</b> JL	<b>FIG NO.</b> 02	<b>REV</b> 0	




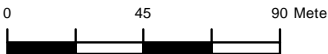
**LEGEND**

- Phase One Study Area (250m)
- Phase One Property Boundary

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

**REFERENCES**  
PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.





**CLIENT**

JB Holdings Inc.

**PROJECT**

Phase One  
 Environmental Site Assessment  
 24, 26, 28 & 30 Pretoria Avenue,  
 Ottawa ON

**TITLE**

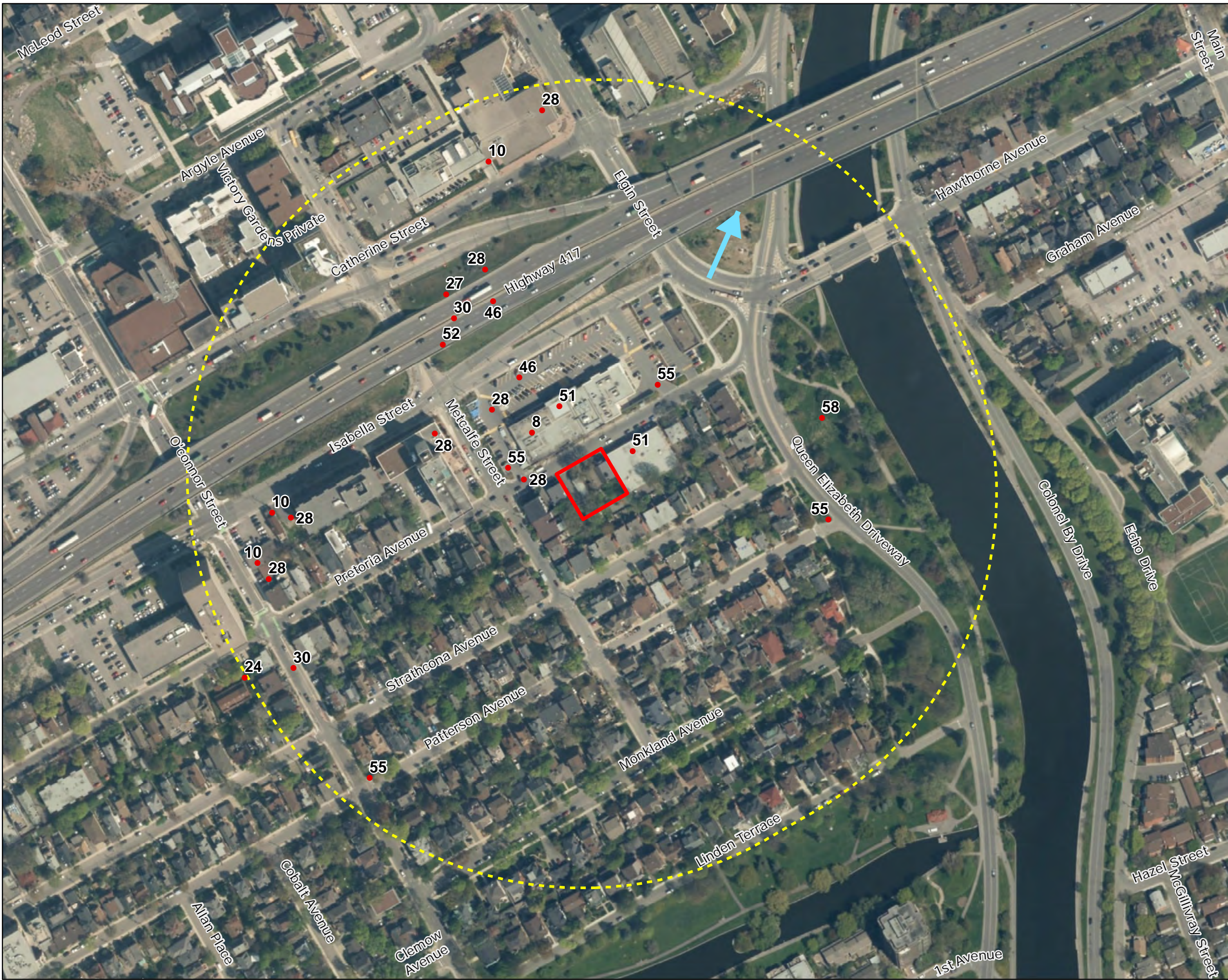
Phase One Property  
 and  
 Phase One Study Area



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

<b>PROJECT #</b> 190419		<b>DATE</b> May 29, 2019	
<b>DRAWN</b> KH	<b>CHECKED</b> JL	<b>FIG NO.</b> 03	<b>REV</b> 0

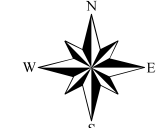
© 2019 Blumetric Environmental Inc. All rights reserved. This drawing is the property of Blumetric Environmental Inc. and is not to be reproduced or used in any form without the prior written consent of Blumetric Environmental Inc.

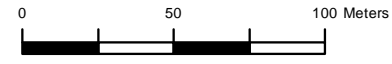


- LEGEND**
- Phase One Study Area (250m)
  - Phase One Property Boundary
  - ➔ Inferred Direction of Shallow Groundwater Flow
- Potentially Contaminating Activities:**
- 8. Chemical Manufacturing, Processing and Bulk Storage
  - 10. Commercial Autobody Shops
  - 24. Fire Training
  - 27. Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
  - 28. Gasoline and Associated Products Stored in Fixed Tanks
  - 30. Importation of Fill Material of Unknown Quality
  - 46. Rail Yards, Tracks and Spurs
  - 51. Solvent Manufacturing, Processing and Bulk Storage
  - 52. Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles, and Material used to Maintain Transportation Systems
  - 55. Transformer Manufacturing, Processing and Use
  - 58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioner

1				
REV.	DESCRIPTION	YY/MM/DD	BY	CHK

**REFERENCES**  
PROPRIETARY INFORMATION MAY NOT BE REPRODUCED OR DIVULGED WITHOUT PRIOR WRITTEN CONSENT OF BLUMETRIC ENVIRONMENTAL INC. DO NOT SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REDUCED. ALL SCALE NOTATIONS INDICATED ARE BASED ON 11"x17" FORMAT DRAWINGS.





**CLIENT**

JB Holdings Inc.

**PROJECT**

Phase One  
 Environmental Site Assessment  
 24, 26, 28 & 30 Pretoria Avenue,  
 Ottawa ON

**TITLE**

Phase One  
 Conceptual Site Model



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

<b>PROJECT #</b> 190419		<b>DATE</b> November 25, 2019	
<b>DRAWN</b> KH	<b>CHECKED</b> JL	<b>FIG NO.</b> 04	<b>REV</b> 0

## APPENDIX A

### Environmental Source Information

This appendix includes the following environmental source information:

- Correspondence with the Ministry of the Environment, Conservation and Parks, the Technical Standards and Safety Authority and the City of Ottawa.



Ministry of the Environment,  
Conservation and Parks

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

Access and Privacy Office

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

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



May 16, 2019

Julia LaRonde  
BluMetric Environmental Inc.  
3108 Carp Rd, PO Box 430  
Carp (Ottawa), ON K0A 1L0

Dear Julia LaRonde:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2019-03301, Your Reference 190419**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 24 Pretoria Avenue, Ottawa

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

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

If you have any questions regarding this matter, please contact Junyi Cai at 416-314-4075 or [junyi.cai@ontario.ca](mailto:junyi.cai@ontario.ca).

Yours truly,

A handwritten signature in black ink, appearing to read "Janet Dadufalza".

Janet Dadufalza  
Manager, Access and Privacy



Ministry of the Environment,  
Conservation and Parks

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

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

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



May 17, 2019

Julia LaRonde  
BluMetric Environmental Inc.  
3108 Carp Rd, PO Box 430  
Carp (Ottawa), ON K0A 1L0

Dear Julia LaRonde:

RE: ***Freedom of Information and Protection of Privacy Act Request***  
**Our File # A-2019-03302, Your Reference 190419**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 26 Pretoria Avenue, Ottawa

After a thorough search through the files of the Ministry's Ottawa District Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. **We have applied the \$30.00 for this request from your initial payment. This file is now closed.**

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

If you have any questions regarding this matter, please contact Dany Briollais at 416-314-4075 or [dany.briollais@ontario.ca](mailto:dany.briollais@ontario.ca).

Yours truly,

A handwritten signature in black ink, appearing to read "JD" or similar initials, written in a cursive style.

Janet Dadufalza  
Manager, Access and Privacy



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

[www.tssa.org](http://www.tssa.org)

**07 June 2019**

Julie LaRonde  
BLUMETRIC ENVIRONMENTAL INC.  
3108 Carp Road  
OTTAWA ON K0A 1L0

**Subject: 26 Pretoria Avenue, Ottawa, Ontario**  
**Your File No.: 190419**  
**SR No.: 2586104**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested Fuels Safety documents.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

A handwritten signature in black ink, appearing to read "Sherees Thompson", with a long horizontal flourish extending to the right.

Sherees Thompson  
Public Information Services



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

[www.tssa.org](http://www.tssa.org)

**07 June 2019**

Julie LaRonde  
BLUMETRIC ENVIRONMENTAL INC.  
3108 Carp Road  
OTTAWA ON K0A 1L0

**Subject: 24 Pretoria Avenue, Ottawa, Ontario**  
**Your File No.: 190419**  
**SR No.: 2586108**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested Fuels Safety documents.

Should you have any questions, please contact Public Information at [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org).

Yours truly,

A handwritten signature in black ink, appearing to read "Sherees Thompson", with a long horizontal flourish extending to the right.

Sherees Thompson  
Public Information Services

**24 PRETORIA AVE**

**PIN:** 041320191

**LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE**

PIN	LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE
041320191	PLAN 53786 PT LOT 3;RP4R-2310 PART 2



**PROPERTY DIMENSIONS / DIMENSIONS DE LA PROPRIÉTÉ**

	041320191
FRONTAGE - ft / FAÇADE - pi:	18.75
DEPTH - ft / PROFONDEUR - pi:	100.00
PROPERTY AREA - fè / SUPERFICIE pi²:	1875.0000

**SERVICES / SERVICES**

PIN	WASTE COLLECTION PICK-UP DAY AND ZONE / JOUR ET ZONE DE LA COLLECTE DES ORDURES
041320191	Z3 City WED A

**WARD INFORMATION / INFORMATIONS WARD**

PIN	WARD NUMBER / NUMÉRO DU QUARTIER	WARD NAME / NOM DU QUARTIER	COUNCILLOR NAME / NOM DU CONSEILLER - (ÈRE)
041320191	17	CAPITAL	Shawn Menard

**26 PRETORIA AVE**

**PIN:** 041320190

**LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE**

PIN	LEGAL DESCRIPTION / DESCRIPTION OFFICIELLE
041320190	PLAN 53786 PT LOT 3 PRETORIA;S RP 4R-2310 PART 1



**PROPERTY DIMENSIONS / DIMENSIONS DE LA PROPRIÉTÉ**

	041320190
FRONTAGE - ft / FAÇADE - pi:	17.25
DEPTH - ft / PROFONDEUR - pi:	100.00
PROPERTY AREA - fè / SUPERFICIE pi²:	1725.0000

**SERVICES / SERVICES**

PIN	WASTE COLLECTION PICK-UP DAY AND ZONE / JOUR ET ZONE DE LA COLLECTE DES ORDURES
041320190	Z3 City WED A

**WARD INFORMATION / INFORMATIONS WARD**

PIN	WARD NUMBER / NUMÉRO DU QUARTIER	WARD NAME / NOM DU QUARTIER	COUNCILLOR NAME / NOM DU CONSEILLER - (ÈRE)
041320190	17	CAPITAL	Shawn Menard



File Number: D06-03-19-0165  
D06-03-91-0166

November 18, 2019

Jessica Petrocco  
Blumetric Environmental  
31085 Carp, Box 430  
Ottawa, ON  
K0A 1L0

*Sent via email [jpetrocco@blumetric.ca]*

Dear Ms. Petrocco,

**Re: Information Request  
24 & 26 Pretoria Avenue, Ottawa, Ontario (“Subject Property”)**

**Internal Department Circulation**

The Planning, Infrastructure and Economic Development 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 no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 250m of the Subject Property. The search revealed the following:

- There are 40 activities associated with properties located within 250m of the Subject Property.

*Shaping our future together  
Ensemble, formons notre avenir*

City of Ottawa  
Planning, Infrastructure and Economic  
Development Department

110 Laurier Avenue West, 4th Floor  
Ottawa, ON K1P 1J1  
Tel: (613) 580-2424 ext. 21690  
Fax: (613) 560-6006  
www.ottawa.ca

Ville d’Ottawa  
Services de la planification, de l’infrastructure et  
du développement économique

110, avenue Laurier Ouest, 4e étage  
Ottawa (Ontario) K1P 1J1  
Tél.: (613) 580-2424 ext. 21690  
Télééc: (613) 560-6006  
www.ottawa.ca

Please note that certain activities have been identified to 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 property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A **site map** and **table** have 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”.

Additional information may be obtained by contacting:

### **Ontario’s Environmental Registry**

The Environmental Registry found at <http://www.ebr.gov.on.ca/ERS-WEB-External/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

### **The Ontario Land Registry Office**

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House  
161 Elgin Street 4th Floor  
Ottawa ON K2P 2K1  
Tel: (613) 239-1230  
Fax: (613) 239-1422

**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 and Climate Change for additional information.**

If you have any further questions or comments, please contact Eric Steele at 613-580-2424 ext. 21690 or [HLUI@ottawa.ca](mailto:HLUI@ottawa.ca)

Sincerely,



Eric Steele

Per:

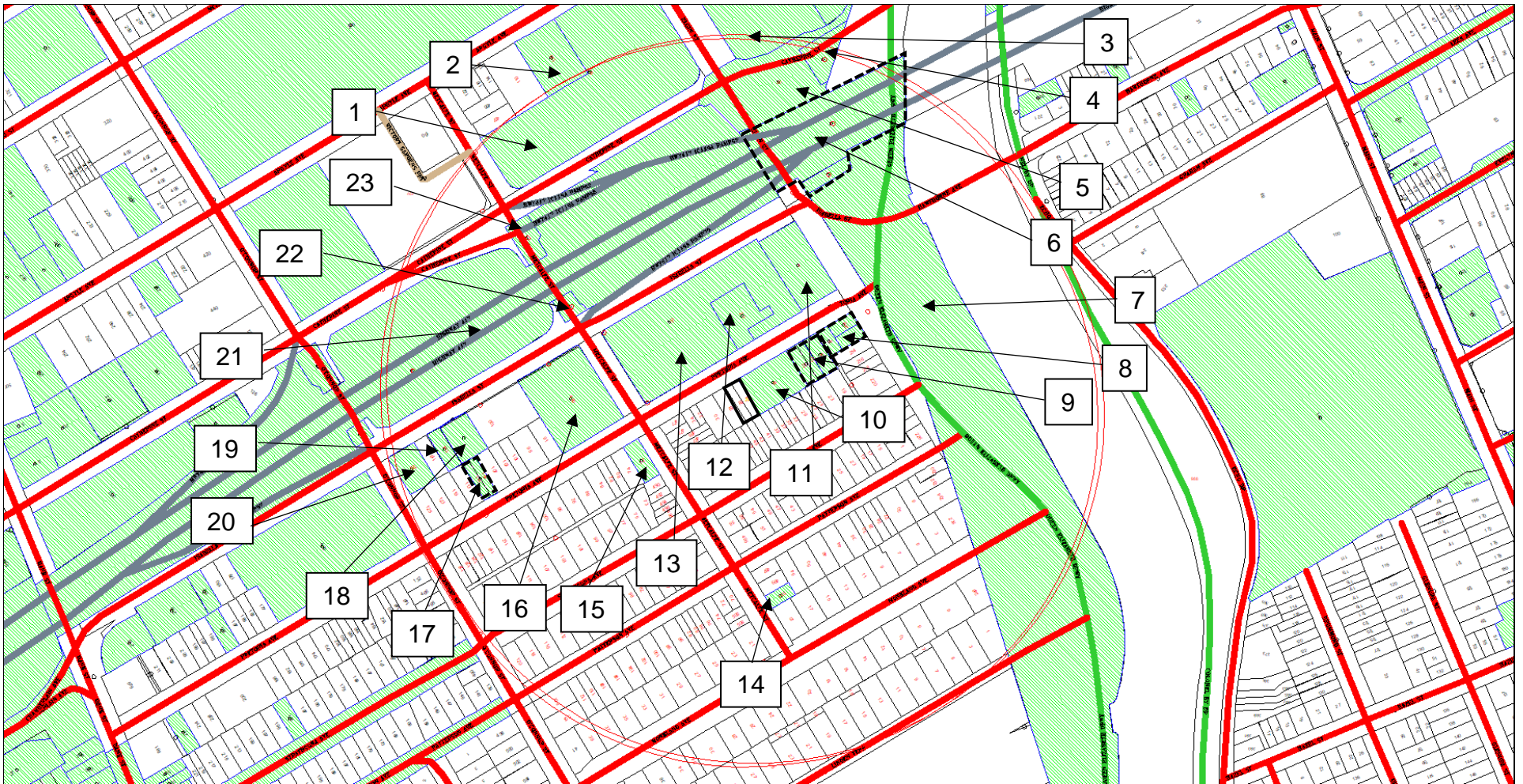
Michael Boughton, MCIP, RPP  
Senior Planner  
Development Review East  
Planning Services  
Planning, Infrastructure and Economic Development Department

MB/ ES

Enclosures.

cc: File no. D06-03-19-0165  
File no. D06-03-19-0166





Scale 1: n/a

24, 26 Pretoria Avenue  
 Ottawa, ON  
 File # D06-03-19-0165  
 Eric Steele



Overview

ID# = Area Number

□ = Subject Site

<b>Area</b>	<b>Associated HLUI Activities</b>	<b>HLUI Activities with a PIN Certainty of “2” *</b>
Subject Property	None	
1	1187, 2000, 3222, 8015, 8986	2000
2	1257	1257
3	1043, 10491, 13908, 9110	1043, 13908
4	2001, 6132	2001, 6132
5	1043, 2001, 6132	1043, 2001, 6132
6	1043	1043
7	14515	
8	7232	7232
9	3455, 7232	3455, 7232
10	11391, 11486, 3455, 5022, 7274	3455, 7274
11	3900, 4744, 7472, 8342	3900, 4744, 7472, 8342
12	11858, 3900, 4744, 8342	3900, 4744, 8342
13	10174, 14500, 3900, 4744, 8342	3900, 4744, 8342
14	14357	
15	13560, 8907	8907
16	1983, 4352	
17	14793	
18	13109, 14793	
19	8916	
20	11503, 2538, 3787, 6645	2538
21	12365, 6519	6519
22	6519	6519
23	6519	6519

\*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 property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

# Historical Land Use Inventory

Activity Numbers –

**Adjacent Properties**

# Historical Land Use Inventory

## Area #1 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679G2G

AREA (Square Metres): 10753.594

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:32:09

Study Year  
1998

PIN  
041230062

Multi-NAIC  
Y

Multiple Activities  
Y

**Activity ID:** 1187                                      **Multiple PINS:** N

**PIN Certainty:** 1                                      **Previous Activity ID(s) :** 1977

**Related PINS:** 041230062

**Name:** B.F. GOODRICH RUBBER COMPANY OF CANADA LIMITED

**Address:** ARGYLE AVENUE, OTTAWA

**Facility Type:** Motor Vehicle Repair Shops

**Comments 1:** Oiling room on east side of property. Auto repairs on west side of property Patterson Motors Listed at #478 Elgin St.

**Comments 2:** 68-74

**Generator Number:**

**Storage Tanks:** Three USTs -Two are parallel to Argyle, One is parallel to Elgin.

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901-67-475B, Vol2; FIP1912-75-475B,vol1; FIP1922-75-475B, Vol1; FIP1948-137-475B; FIP1956-137-5-475B, Vol1

**HL References 2:**

**HL References 3:**

NAICS	SIC
326290	159
447190	633
811199	633
811119	635
811121	635
339990	159
326210	151
322220	159
339110	159
811112	635
447110	633

Company Name	Year of Operation
Red Indian Service Station	c. 1940
B.F. Goodrich Rubber Company of Canada Ltd.	c. 1948-1950
Elgin and Argyle Service Station	c. 1955-1956
Patterson Motors	c. 1956



CITY OF OTTAWA

HLUI ID: \_\_679G2G

AREA (Square Metres): 10753.594

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:32:09

Study Year  
1998

PIN  
041230062

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 2000 Multiple PINS: N  
 PIN Certainty: 2 Previous Activity ID(s) : 966  
 Related PINS: 041230062  
 Name: CANADA ATLANTIC RAILWAY  
 Address: ARGYLE STREET, OTTAWA  
 Facility Type: Railway Transport and Related Service Industries  
 Comments 1:  
 Comments 2:  
 Generator Number:  
 Storage Tanks:  
 HL References 1: FIP1901-105-479,vol2. FIP1912-71-479,vol1. FIP1922-71-479,vol1. M>1900.  
 HL References 2:  
 HL References 3:

NAICS	SIC
482114	453
488210	453
483116	453
482112	453
482113	453

Company Name	Year of Operation
Canada Atlantic Railway	c. 1901



CITY OF OTTAWA

HLUI ID: \_\_679G2G

AREA (Square Metres): 10753.594

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:32:09

Study Year  
1998

PIN  
041230062

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3222 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041230062

Name: CITY OF OTTAWA ( CORPORATE SERVICES)

Address: 474 ELGIN STREET, OTTAWA

Facility Type: Protective Services

Comments 1: OTTAWA-CARLETON POLICE SERVICES

Comments 2:

Generator Number: ON0303131

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

NAICS	SIC
911230	0
913910	0
913130	0

Company Name	Year of Operation
CITY OF OTTAWA ( CORPORATE SERVICES)	c. 2005
CITY OF OTTAWA ( CORPORATE SERVICES)	c. 2000
CITY OF OTTAWA ( CORPORATE SERVICES)	c. 2003



CITY OF OTTAWA

HLUI ID: \_\_679G2G

AREA (Square Metres): 10753.594

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:32:09

Study Year  
1998

PIN  
041230062

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 8015 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 5517

Related PINS: 041230062

Name: LAMB MACHINERY LIMITED

Address: 88 ARGYLE AVENUE, OTTAWA

Facility Type: Other Machinery and Equipment Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1970, M.1980, M.1990, M.1997

HL References 2:

HL References 3:

NAICS	SIC
332991	319
336211	319
333120	319
335990	319
333611	319
333220	319
333210	319
333299	319
336510	319
333130	319
333291	319
336120	319
333110	319
333910	319

Company Name

Lamb Machinery Limited

Year of Operation

c. 1980





CITY OF OTTAWA

HLUI ID: \_\_679G2G

AREA (Square Metres): 10753.594

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:32:09

Study Year  
1998

PIN  
041230062

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 8986 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041230062

Name: OTTAWA, CORPORATION(SEE & USE ON0303131)

Address: 474 ELGIN STREET, OTTAWA

Facility Type: Protective Services

Comments 1:

Comments 2:

Generator Number: ON0136209

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS	SIC
913910	0
913130	0
911230	0

Company Name	Year of Operation
MUN-POLICE	c. 2001
MUN-POLICE	c. 2005
OTTAWA, CORPORATION(SEE & USE ON0303131)	c. 2003

# Historical Land Use Inventory

## Area #2 Activity Numbers



**CITY OF OTTAWA**  
**HLUI ID: \_\_679FRX**  
**AREA (Square Metres): 1561.924**

Report: RPTC\_OT\_DEV0122  
 Run On: 12 Nov 2019 at: 10:35:35

**Study Year**  
1998

**PIN**  
041230063

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 1257                      **Multiple PINS:** N  
**PIN Certainty:** 2                      **Previous Activity ID(s) :** 2521  
**Related PINS:** 041230063

**Name:** BALLANTYNE & MCCABE SERVICE STATION  
**Address:** 470 ELGIN STREET, OTTAWA  
**Facility Type:** Gasoline Service Stations  
**Comments 1:** M. 1950 - lists as Ballantyne Service Station  
**Comments 2:**  
**Generator Number:**  
**Storage Tanks:**  
**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950, M.1960, M.1970, M.1980  
**HL References 2:**  
**HL References 3:**

<b>NAICS</b>	<b>SIC</b>
447110	633
447190	633
811199	633

<b>Company Name</b>	<b>Year of Operation</b>
Turners Texaco	c. 1970-1980
Ballantyne & McCabe Service Station	c. 1950-1960

# Historical Land Use Inventory

## Area #3 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679GIP

AREA (Square Metres): 4750.924

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:36:17

Study Year  
1998

PIN  
041240091

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 1043 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s) : 5611

Related PINS: 041240091

Name: ALEX CHRISTIE SERVICE STATION

Address: ELGIN STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
447190	633
811199	633
447110	633

Company Name

Year of Operation

Alex Christie Service Station

c. 1940

Dormer and Cutt Service Station

c. 1950



CITY OF OTTAWA

HLUI ID: \_\_679GIP

AREA (Square Metres): 4750.924

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:36:17

Study Year  
1998

PIN  
041240091

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 10491 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041240091

Name: PELICAN CLEANERS & TAILORS

Address: 467 ELGIN 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

PELICAN CLEANERS & TAILORS

Year of Operation

c. 2001



**CITY OF OTTAWA**  
**HLUI ID: \_\_679GIP**  
**AREA (Square Metres): 4750.924**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:36:17

**Study Year**  
1998

**PIN**  
041240091

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 13908                      **Multiple PINS:** Y  
**PIN Certainty:** 2                      **Previous Activity ID(s) :** 5610

**Related PINS:** 041240091

**Name:** WARREN, SCHARF CO. -YARDS  
**Address:** ARGYLE STREET, OTTAWA  
**Facility Type:** Railway Transport and Related Service Industries

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

**HL References 2:**

**HL References 3:**

NAICS	SIC
483116	453
482112	453
482113	453
482114	453
488210	453

**Company Name**

Warren, Scharf Co. -Yards  
 CAR Yards

**Year of Operation**

c. 1900



CITY OF OTTAWA

HLUI ID: \_\_679GIP

AREA (Square Metres): 4750.924

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:36:17

Study Year  
1998

PIN  
041240091

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 9110 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 2695

Related PINS: 041240091

Name: MYERS MOTORS CO. LIMITED

Address: 483 ELGIN STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: Oiling Station

Comments 2:

Generator Number:

Storage Tanks: Three USTs at a 45 degree angle to Elgin St. 1948 -Five USTs.

HL References 1: M.1948, M.1955, M.1960, M.1970, M.1980; FIP1901-105-379, Vol2; FIP1912-75-475B,vol1; FIP1922-75-475B,vol1, FIP1948-137-479; FIP1956-137-5-479, Vol1

HL References 2:

HL References 3:

NAICS	SIC
447190	633
447110	633
811199	633

Company Name

Year of Operation

Ballantyne and McCabe Service Station

c. 1956

Myers Motors Co. Ltd.

c. 1970



# Historical Land Use Inventory

## Area #4 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679E5Q

AREA (Square Metres): 695.237

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:39:33

Study Year  
1998

PIN  
041250060

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 2001

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 1979

Related PINS: 041240104

Name: CANADA ATLANTIC RAILWAY

Address: CATHERINE STREET, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: Also listed on Elgin St. east side, after #409, after Archibald St. ends, before C.A.R crossing, #535 and Creek Crosses and west side listing.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
482112	453
488210	453
482114	453
482113	453
483116	453

Company Name

Year of Operation

Canada Atlantic Railway

c. 1900-1910

Grand Trunk Railway

c. 1920



CITY OF OTTAWA

HLUI ID: \_\_679E5Q

AREA (Square Metres): 695.237

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:39:33

Study Year  
1998

PIN  
041250060

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 6132

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 962

Related PINS: 041240104

Name: GLOBE OIL CO. LIMITED

Address: 2 CATHERINE STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: Used car dealership at this location in 1950. M. 1948 - lists Wright Service Station, oiling/office

Comments 2:

Generator Number:

Storage Tanks: 3 UST

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950; FIP1912-75-497,vol1; FIP1922-75-497,vol1; FIP1948-137-497

HL References 2:

HL References 3:

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

Company Name

Year of Operation

Wright Service Station

c. 1948

Globe Oil Co. Ltd.

c. 1940

# Historical Land Use Inventory

## Area #5 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679FC5

AREA (Square Metres): 3866.433

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:42:04

Study Year  
1998

PIN  
041240104

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 1043 Multiple PINS: Y  
PIN Certainty: 2 Previous Activity ID(s) : 5611

Related PINS: 041240091

Name: ALEX CHRISTIE SERVICE STATION

Address: ELGIN STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
447190	633
811199	633
447110	633

Company Name

Year of Operation

Alex Christie Service Station

c. 1940

Dormer and Cutt Service Station

c. 1950



CITY OF OTTAWA

HLUI ID: \_\_679FC5

AREA (Square Metres): 3866.433

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:42:04

Study Year  
1998

PIN  
041240104

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 2001                      Multiple PINS: Y  
PIN Certainty: 2                      Previous Activity ID(s) : 1979

Related PINS: 041240104

Name: CANADA ATLANTIC RAILWAY  
Address: CATHERINE STREET, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: Also listed on Elgin St. east side, after #409, after Archibald St. ends, before C.A.R crossing, #535 and Creek Crosses and west side listing.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
482112	453
488210	453
482114	453
482113	453
483116	453

Company Name	Year of Operation
Canada Atlantic Railway	c. 1900-1910
Grand Trunk Railway	c. 1920



CITY OF OTTAWA

HLUI ID: \_\_679FC5

AREA (Square Metres): 3866.433

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 10:42:04

Study Year  
1998

PIN  
041240104

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 6132

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 962

Related PINS: 041240104

Name: GLOBE OIL CO. LIMITED

Address: 2 CATHERINE STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1: Used car dealership at this location in 1950. M. 1948 - lists Wright Service Station, oiling/office

Comments 2:

Generator Number:

Storage Tanks: 3 UST

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950; FIP1912-75-497,vol1; FIP1922-75-497,vol1; FIP1948-137-497

HL References 2:

HL References 3:

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

Company Name

Year of Operation

Wright Service Station

c. 1948

Globe Oil Co. Ltd.

c. 1940

# Historical Land Use Inventory

## Area #6 Activity Numbers





CITY OF OTTAWA

HLUI ID: \_\_679GLS

AREA (Square Metres): 5496.583

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:22:02

Study Year  
1998

PIN  
041250061

Multi-NAIC  
Y

Multiple Activities  
N

Activity ID: 1043 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s) : 5611

Related PINS: 041240091

Name: ALEX CHRISTIE SERVICE STATION

Address: ELGIN STREET, OTTAWA

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
447190	633
811199	633
447110	633

Company Name

Year of Operation

Alex Christie Service Station

c. 1940

Dormer and Cutt Service Station

c. 1950



CITY OF OTTAWA  
HLUI ID: \_\_679DSR  
AREA (Square Metres): 352.565

Report: RPTC\_OT\_DEV0122  
Run On: 12 Nov 2019 at: 13:22:53

Study Year  
1998

PIN  
041250066

Multi-NAIC  
Y

Multiple Activities  
N

Activity ID: 1043                      Multiple PINS: Y  
PIN Certainty: 2                      Previous Activity ID(s) : 5611  
Related PINS: 041240091

Name: ALEX CHRISTIE SERVICE STATION  
Address: ELGIN STREET, OTTAWA  
Facility Type: Gasoline Service Stations  
Comments 1:  
Comments 2:  
Generator Number:  
Storage Tanks:  
HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950  
HL References 2:  
HL References 3:

NAICS	SIC
447190	633
811199	633
447110	633

Company Name	Year of Operation
Alex Christie Service Station	c. 1940
Dormer and Cutt Service Station	c. 1950

# Historical Land Use Inventory

## Area #7 Activity Numbers



**CITY OF OTTAWA**  
**HLUI ID: \_\_670HMH**

Report: RPTC\_OT\_DEV0122  
 Run On: 12 Nov 2019 at: 13:23:17

**AREA (Square Metres): 109917.704**

**Study Year**  
1998

**PIN**  
041310036

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 14515      **Multiple PINS:** Y  
**PIN Certainty:** 1      **Previous Activity ID(s) :** 6190, 6060, 6064, 6082, 6077, 6084, 6094, 6095, 6098, 6099, 6102, 6103, 6105, 6108, 6109, 6110, 6111, 6112, 6115, 6117, 6121, 6122, 6124, 6125, 6127, 6129, 6130, 6190, 6191, 6192, 6193, 6198, 6200, 6202, 6203, 6238, 6240, 6243, 6245, 6280, 6282, 6284, 62

**Related PINS:** 041330051

**Name:** UNNAMED WASTE DISPOSAL SITE

**Address:** , OTTAWA

**Facility Type:** Other Utility Industries n.e.c.

**Comments 1:** UTM = 445870E, 5028130N, map 31G/5. Site #X1102 of closed sites in the MOE inventory (pg134).

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** 1991-WDSI/WMB/MOE; RBE 1992; MC Staff, 19/02/99; 1922DMD-TM-Ottawa-Sheet #14, 1948DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed., City of Gloucester-File #8-400-Box 130;

**HL References 2:** City of Gloucester File # 6-79A: Subject-Health/Dumping -Box 75 -28/12/64; 1938-39-DND-ASE-NTS-31B/13W-2nd ed., 1964-DND-MCE-NTS-31B/13-3rd ed., 1976-EMR-SMB-NTS-31B/13-4th ed., 1979-EMR-SMB-NTS-31B/13-5th ed.

**HL References 3:**

NAICS	SIC
562210	499
221330	499
221320	499
562920	499
562990	499



CITY OF OTTAWA

HLUI ID: \_\_670HMH

AREA (Square Metres): 109917.704

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:23:17

Study Year  
1998

PIN  
041310036

Multi-NAIC  
Y

Multiple Activities  
N

Company Name

Year of Operation

Unnamed Waste Disposal Site	c. <1991
Unnamed Waste Disposal Site	c. 1953
Unnamed Waste Disposal Site	c. 1946
Unnamed Waste Disposal Site	c. 1924
Unnamed Waste Disposal Site	c. 1958
Unnamed Waste Disposal Site	c. 1979
Unnamed Waste Disposal Site	c. 1965
Unnamed Waste Disposal Site	c. 1974
Unnamed Waste Disposal Site	c. 1920-1931
Unnamed Waste Disposal Site	c. 1973
Unnamed Waste Disposal Site	c. 1927
Unnamed Waste Disposal Site	c. 1966-1991
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1976
Unnamed Waste Disposal Site	c. 1940
Unnamed Waste Disposal Site	c. 1962
Unnamed Waste Disposal Site	c. 1926
Unnamed Waste Disposal Site	c. 1944
Unnamed Waste Disposal Site	c. 1972
Unnamed Waste Disposal Site	c. 1935
Unnamed Waste Disposal Site	c. 1921-1945
Unnamed Waste Disposal Site	c. 1977
Unnamed Waste Disposal Site	c. 1947
Unnamed Waste Disposal Site	c. 1950
Unnamed Waste Disposal Site	c. 1981
Unnamed Waste Disposal Site	c. 1971
Unnamed Waste Disposal Site	c. 1963
Unnamed Waste Disposal Site	c. <1990
Unnamed Waste Disposal Site	c. 1964
Unnamed Waste Disposal Site	c. 1920
Unnamed Waste Disposal Site	c. 1938
Unnamed Waste Disposal Site	c. 1929



CITY OF OTTAWA

HLUI ID: \_\_670HMH

AREA (Square Metres): 109917.704

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:23:17

**Study Year**  
1998

**PIN**  
041310036

**Multi-NAIC**  
Y

**Multiple Activities**  
N

---

Unnamed Waste Disposal Site

c. 1966

# Historical Land Use Inventory

## Area #8 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679CWY

AREA (Square Metres): 199.906

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:30:42

**Study Year**  
1998

**PIN**  
041320307

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 7232                                    **Multiple PINS:** Y  
**PIN Certainty:** 2                                    **Previous Activity ID(s) :** 2029, 1560

**Related PINS:** 041320306

**Name:** J. H. CONNOR AND SON LIMITED  
**Address:** 10 PRETORIA AVENUE, OTTAWA  
**Facility Type:** Major Appliance Industry (Electric and Non Electric)  
**Comments 1:** 1900 - listed as Jane St., changed to Pretoria by 1910  
**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

**HL References 2:**

**HL References 3:**

NAICS	SIC
335223	332

Company Name	Year of Operation
J.H. Connor & Son	c. 1900
J. H. Connor and Son Ltd.	c. 1900-1910





**CITY OF OTTAWA**  
**HLUI ID: \_\_679CXW**

Report: RPTC\_OT\_DEV0122  
Run On: 12 Nov 2019 at: 13:31:26

**AREA (Square Metres): 206.659**

**Study Year**  
1998

**PIN**  
041320306

**Multi-NAIC**  
N

**Multiple Activities**  
N

---

**Activity ID:** 7232    **Multiple PINS:** Y  
**PIN Certainty:** 2    **Previous Activity ID(s) :** 2029, 1560  
**Related PINS:** 041320306  
**Name:** J. H. CONNOR AND SON LIMITED  
**Address:** 10 PRETORIA AVENUE, OTTAWA  
**Facility Type:** Major Appliance Industry (Electric and Non Electric)  
**Comments 1:** 1900 - listed as Jane St., changed to Pretoria by 1910  
**Comments 2:**  
**Generator Number:**  
**Storage Tanks:**  
**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950  
**HL References 2:**  
**HL References 3:**

**NAICS**                      **SIC**  
  
335223                      332

<b>Company Name</b>	<b>Year of Operation</b>
J.H. Connor & Son	c. 1900
J. H. Connor and Son Ltd.	c. 1900-1910



**CITY OF OTTAWA**

**HLUI ID: \_\_679CW8**

**AREA (Square Metres): 202.765**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:32:14

**Study Year**  
1998

**PIN**  
041320195

**Multi-NAIC**  
N

**Multiple Activities**  
N

**Activity ID:** 7232                      **Multiple PINS:** Y  
**PIN Certainty:** 2                      **Previous Activity ID(s) :** 2029, 1560

**Related PINS:** 041320306

**Name:** J. H. CONNOR AND SON LIMITED  
**Address:** 10 PRETORIA AVENUE, OTTAWA  
**Facility Type:** Major Appliance Industry (Electric and Non Electric)  
**Comments 1:** 1900 - listed as Jane St., changed to Pretoria by 1910  
**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

**HL References 2:**

**HL References 3:**

<b>NAICS</b>	<b>SIC</b>
335223	332

<b>Company Name</b>	<b>Year of Operation</b>
J.H. Connor & Son	c. 1900
J. H. Connor and Son Ltd.	c. 1900-1910

# Historical Land Use Inventory

## Area #9 Activity Numbers



**CITY OF OTTAWA**

**HLUI ID: \_\_679DN2**

**AREA (Square Metres): 333.621**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:32:57

**Study Year**  
1998

**PIN**  
041320194

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 3455 **Multiple PINS:** Y

**PIN Certainty:** 2 **Previous Activity ID(s) :** 3477

**Related PINS:** 041320192

**Name:** CHARLES B. EDMONDSON

**Address:** 22 PRETORIA STREET, OTTAWA

**Facility Type:** Motor Vehicle Repair Shops

**Comments 1:** 1910 - # 10 listed a washing machine manufacture

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

**HL References 2:**

**HL References 3:**

NAICS	SIC
811121	635
811112	635
811119	635

**Company Name**

Charles B. Edmondson

**Year of Operation**

c. 1920



CITY OF OTTAWA

HLUI ID: \_\_679DN2

AREA (Square Metres): 333.621

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:32:57

Study Year  
1998

PIN  
041320194

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 7232 Multiple PINS: Y  
PIN Certainty: 2 Previous Activity ID(s) : 2029, 1560

Related PINS: 041320306

Name: J. H. CONNOR AND SON LIMITED  
Address: 10 PRETORIA AVENUE, OTTAWA  
Facility Type: Major Appliance Industry (Electric and Non Electric)  
Comments 1: 1900 - listed as Jane St., changed to Pretoria by 1910  
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS SIC  
335223 332

Company Name

J.H. Connor & Son

J. H. Connor and Son Ltd.

Year of Operation

c. 1900

c. 1900-1910



CITY OF OTTAWA  
HLUI ID: \_\_679D6I  
AREA (Square Metres): 431.980

Report: RPTC\_OT\_DEV0122  
Run On: 12 Nov 2019 at: 13:35:10

**Study Year**  
1998

**PIN**  
041320193

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

---

**Activity ID:** 3455                      **Multiple PINS:** Y  
**PIN Certainty:** 2                      **Previous Activity ID(s) :** 3477  
**Related PINS:** 041320192  
**Name:** CHARLES B. EDMONDSON  
**Address:** 22 PRETORIA STREET, OTTAWA  
**Facility Type:** Motor Vehicle Repair Shops  
**Comments 1:** 1910 - # 10 listed a washing machine manufacture  
**Comments 2:**  
**Generator Number:**  
**Storage Tanks:**  
**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950  
**HL References 2:**  
**HL References 3:**

<b>NAICS</b>	<b>SIC</b>
811121	635
811112	635
811119	635

**Company Name**  
Charles B. Edmondson

**Year of Operation**  
c. 1920



CITY OF OTTAWA  
HLUI ID: \_\_679D6I  
AREA (Square Metres): 431.980

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:35:10

**Study Year**  
1998

**PIN**  
041320193

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 7232                      **Multiple PINS:** Y  
**PIN Certainty:** 2                      **Previous Activity ID(s) :** 2029, 1560  
**Related PINS:** 041320306

**Name:** J. H. CONNOR AND SON LIMITED  
**Address:** 10 PRETORIA AVENUE, OTTAWA  
**Facility Type:** Major Appliance Industry (Electric and Non Electric)  
**Comments 1:** 1900 - listed as Jane St., changed to Pretoria by 1910  
**Comments 2:**  
**Generator Number:**  
**Storage Tanks:**  
**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950  
**HL References 2:**  
**HL References 3:**

NAICS	SIC
335223	332

Company Name	Year of Operation
J.H. Connor & Son	c. 1900
J. H. Connor and Son Ltd.	c. 1900-1910

# Historical Land Use Inventory

## Area #10 Activity Numbers





CITY OF OTTAWA

HLUI ID: \_\_679FKD

AREA (Square Metres): 1235.877

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:36:09

Study Year  
1998

PIN  
041320192

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 11391 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041320192

Name: PRETORIA PET HOSPITAL

Address: 16 PRETORIA AVENUE, OTTAWA

Facility Type: Services Incidental to Livestock and Animal Specialties

Comments 1:

Comments 2:

Generator Number: ON2420300

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2000 PID

<b>NAICS</b>	<b>SIC</b>
541940	0

Company Name	Year of Operation
PRETORIA PET HOSPITAL	c. 2003
PRETORIA PET HOSPITAL	c. 2000
PRETORIA PET HOSPITAL	c. 2001



CITY OF OTTAWA

HLUI ID: \_\_679FKD

AREA (Square Metres): 1235.877

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:36:09

Study Year  
1998

PIN  
041320192

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 11486 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041320192

Name: POWER MOUNT

Address: 16 PRETORIA AVENUE, OTTAWA

Facility Type: Platemaking, Typesetting and Bindery Industry

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
812921	0

Company Name

POWER MOUNT

Year of Operation

c. 2001



CITY OF OTTAWA

HLUI ID: \_\_679FKD

AREA (Square Metres): 1235.877

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:36:09

Study Year  
1998

PIN  
041320192

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3455 Multiple PINS: Y  
PIN Certainty: 2 Previous Activity ID(s) : 3477

Related PINS: 041320192

Name: CHARLES B. EDMONDSON  
Address: 22 PRETORIA STREET, OTTAWA  
Facility Type: Motor Vehicle Repair Shops  
Comments 1: 1910 - # 10 listed a washing machine manufacture  
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
811121	635
811112	635
811119	635

Company Name

Charles B. Edmondson

Year of Operation

c. 1920



**CITY OF OTTAWA**  
**HLUI ID: \_\_679FKD**  
**AREA (Square Metres): 1235.877**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:36:09

**Study Year**  
1998

**PIN**  
041320192

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 5022 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :** 1645

**Related PINS:** 041320192

**Name:** DURIE MOSAIC AND MARBLE LIMITED

**Address:** 18 PRETORIA AVENUE, OTTAWA

**Facility Type:** Interior and Finishing Work

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1958, M.1961, M.1964; S.1958, S.1961, S.1964, S.1965

**HL References 2:**

**HL References 3:**

NAICS	SIC
238340	427
327420	359
238320	427
238350	427

**Company Name**

Durie Mosaic and Marble Ltd.

**Year of Operation**

c. 1958-1965



CITY OF OTTAWA

HLUI ID: \_\_679FKD

AREA (Square Metres): 1235.877

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 13:36:09

Study Year  
1998

PIN  
041320192

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 7274 Multiple PINS: N  
PIN Certainty: 2 Previous Activity ID(s) : 1717, 1721

Related PINS: 041320192

Name: IMPERIAL AUTO TOP CO. LIMITED

Address: 18 PRETORIA AVENUE, OTTAWA

Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
811119	635
811112	635
811121	635

Company Name

Pretoria Garage

Imperial Auto Top Co. Ltd.

Year of Operation

c. 1930-1940

c. 1930-1940

# Historical Land Use Inventory

## Area #11 Activity Numbers

**CITY OF OTTAWA**

Report: RPTC\_OT\_DEV0122

HLUI ID: \_\_679FUX

Run On: 12 Nov 2019 at: 14:05:24

AREA (Square Metres): 1772.999

**Study Year**  
1998**PIN**  
041230078**Multi-NAIC**  
Y**Multiple Activities**  
Y

**Activity ID:** 3900 **Multiple PINS:** N  
**PIN Certainty:** 2 **Previous Activity ID(s) :** 1038, 1121  
**Related PINS:** 041230078

**Name:** DEPARTMENT OF INTERIOR-FOREST PRODUCTS LABORATORIES BUILDING  
**Address:** 6 ISABELLA STREET, OTTAWA  
**Facility Type:** General Administrative Services  
**Comments 1:**  
**Comments 2:**

**Generator Number:****Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-75-499,vol1;  
 FIP1922-75-499,Vol1; FIP1948-137-499; FIP1956-137-4-499,Vol1; FIP1956-137-5-499,vol1

**HL References 2:****HL References 3:**

NAICS	SIC
911910	815

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

Department of Interior-Forest Products Laboratories Building

c. 1940

Department of Mines and Resources

c. 1930-1956



CITY OF OTTAWA

HLUI ID: \_\_679FUX

AREA (Square Metres): 1772.999

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:05:24

Study Year  
1998

PIN  
041230078

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 4744

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 447

Related PINS: 041230078

Name: DOMINION LOOSE LEAF CO.

Address: METCALFE STREET, OTTAWA

Facility Type: Commercial Printing Industries

Comments 1: Property occupies entire block from Metcalfe St. (E) to within 100 ft. of Elgin St. (W) & Pretoria St. (S) to Isabella St (N).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1901-75-499,vol2. FIP1912-75-499,vol1. FIP1922-75-499,vol1. M.1921.

HL References 2:

HL References 3:

NAICS	SIC
332710	308
336310	308
336350	308
333619	308
323120	282
323114	281
323119	281
812921	282
323116	281
323115	281

Company Name

Dominion Loose Leaf Co.

Year of Operation

c. 1922





CITY OF OTTAWA

HLUI ID: \_\_679FUX

AREA (Square Metres): 1772.999

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:05:24

Study Year  
1998

PIN  
041230078

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 7472 Multiple PINS: N

PIN Certainty: 2 Previous Activity ID(s) : 5608

Related PINS: 041230078

Name: JOHN BANNERMAN  
Address: ELGIN STREET, OTTAWA

Facility Type: Power Boiler and Heat Exchanger Industry

Comments 1: Also Listed on Isabella St.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
332410	301

**Company Name**

John Bannerman

**Year of Operation**

c. 1900



CITY OF OTTAWA

HLUI ID: \_\_679FUX

AREA (Square Metres): 1772.999

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:05:24

Study Year  
1998

PIN  
041230078

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 8342 Multiple PINS: Y  
PIN Certainty: 2 Previous Activity ID(s) : 1006

Related PINS: 041230078

Name: LIBRARY BUREAU OF CANADA LIMITED

Address: ISABELLA STREET, OTTAWA

Facility Type: Office Furniture Industries

Comments 1: Block runs between Pretoria & Isabella from Metcalfe to within 100 feet of Driveway. Activities include: dry kiln, planing, cabinet shop, woodworking, trimming & finishing & storage.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1912-75-499,vol1.

HL References 2:

HL References 3:

NAICS	SIC
337127	264
337213	264
337214	264

Company Name

Library Bureau of Canada Ltd.

Year of Operation

c. 1912

# Historical Land Use Inventory

## Area #12 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679EG5

AREA (Square Metres): 1040.669

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:15:38

Study Year  
1998

PIN  
041230079

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 11858 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041230079

Name: ROSE MECHANICAL LIMITED

Address: 1 ISLAND LODGE ROAD, OTTAWA

Facility Type: General Administrative Services

Comments 1: PORTER ISLAND

Comments 2: BREDFORD HOUSE

Generator Number: ON7211377

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2003 PID

NAICS SIC  
913910 0

Company Name

ROSE MECHANICAL LIMITED

Year of Operation

c. 2003



CITY OF OTTAWA

HLUI ID: \_\_679EG5

AREA (Square Metres): 1040.669

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:15:38

Study Year  
1998

PIN  
041230079

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3900 Multiple PINS: N  
PIN Certainty: 2 Previous Activity ID(s) : 1038, 1121

Related PINS: 041230078

Name: DEPARTMENT OF INTERIOR-FOREST PRODUCTS LABORATORIES BUILDING

Address: 6 ISABELLA STREET, OTTAWA

Facility Type: General Administrative Services

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-75-499,vol1; FIP1922-75-499,Vol1; FIP1948-137-499; FIP1956-137-4-499,Vol1; FIP1956-137-5-499,vol1

HL References 2:

HL References 3:

NAICS SIC  
911910 815

Company Name

Year of Operation

Department of Interior-Forest Products Laboratories Building

c. 1940

Department of Mines and Resources

c. 1930-1956



CITY OF OTTAWA

HLUI ID: \_\_679EG5

AREA (Square Metres): 1040.669

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:15:38

Study Year  
1998

PIN  
041230079

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 4744

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 447

Related PINS: 041230078

Name: DOMINION LOOSE LEAF CO.

Address: METCALFE STREET, OTTAWA

Facility Type: Commercial Printing Industries

Comments 1: Property occupies entire block from Metcalfe St. (E) to within 100 ft. of Elgin St. (W) & Pretoria St. (S) to Isabella St (N).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1901-75-499,vol2. FIP1912-75-499,vol1. FIP1922-75-499,vol1. M.1921.

HL References 2:

HL References 3:

NAICS	SIC
332710	308
336310	308
336350	308
333619	308
323120	282
323114	281
323119	281
812921	282
323116	281
323115	281

Company Name

Dominion Loose Leaf Co.

Year of Operation

c. 1922



CITY OF OTTAWA

HLUI ID: \_\_679EG5

AREA (Square Metres): 1040.669

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:15:38

Study Year  
1998

PIN  
041230079

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 8342 Multiple PINS: Y  
PIN Certainty: 2 Previous Activity ID(s) : 1006

Related PINS: 041230078

Name: LIBRARY BUREAU OF CANADA LIMITED

Address: ISABELLA STREET, OTTAWA

Facility Type: Office Furniture Industries

Comments 1: Block runs between Pretoria & Isabella from Metcalfe to within 100 feet of Driveway. Activities include: dry kiln, planing, cabinet shop, woodworking, trimming & finishing & storage.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1912-75-499,vol1.

HL References 2:

HL References 3:

NAICS	SIC
337127	264
337213	264
337214	264

Company Name

Library Bureau of Canada Ltd.

Year of Operation

c. 1912

# Historical Land Use Inventory

## Area #13 Activity Numbers





**CITY OF OTTAWA**  
**HLUI ID: \_\_679GQO**

Report: RPTC\_OT\_DEV0122  
 Run On: 12 Nov 2019 at: 14:16:40

**AREA (Square Metres): 7152.856**

**Study Year**  
1998

**PIN**  
041230080

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 10174                      **Multiple PINS:** N  
**PIN Certainty:** 1                      **Previous Activity ID(s) :** 7057

**Related PINS:** 041230080

**Name:** OTTAWA PORCELAIN AND CARBON CO.  
**Address:** , OTTAWA  
**Facility Type:** Other Petroleum and Coal Products Industries  
**Comments 1:** Possibility of coal tar on site.  
**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** Intera-1988a

**HL References 2:**

**HL References 3:**

**NAICS**                      **SIC**  
 324121                      369

**Company Name**

Ottawa Porcelain and Carbon Co.

**Year of Operation**

c. 1890-1910



CITY OF OTTAWA

HLUI ID: \_\_679GQO

AREA (Square Metres): 7152.856

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:16:40

Study Year  
1998

PIN  
041230080

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 14500 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 4918

Related PINS: 041230080

Name: UNNAMED PLANING MILL

Address: METCALFE STREET, OTTAWA

Facility Type: Sawmill, Planing Mill and Shingle Mill Products Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

HL References 2:

HL References 3:

NAICS	SIC
321920	251
321112	251
321919	251
321111	251

Company Name

Unnamed Planing Mill

Year of Operation

c. 1900



CITY OF OTTAWA

HLUI ID: \_\_679GQO

AREA (Square Metres): 7152.856

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:16:40

Study Year  
1998

PIN  
041230080

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3900 Multiple PINS: N  
PIN Certainty: 2 Previous Activity ID(s) : 1038, 1121

Related PINS: 041230078

Name: DEPARTMENT OF INTERIOR-FOREST PRODUCTS LABORATORIES BUILDING

Address: 6 ISABELLA STREET, OTTAWA

Facility Type: General Administrative Services

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-75-499,vol1; FIP1922-75-499,Vol1; FIP1948-137-499; FIP1956-137-4-499,Vol1; FIP1956-137-5-499,vol1

HL References 2:

HL References 3:

NAICS SIC  
911910 815

Company Name

Year of Operation

Department of Interior-Forest Products Laboratories Building

c. 1940

Department of Mines and Resources

c. 1930-1956



CITY OF OTTAWA

HLUI ID: \_\_679GQO

AREA (Square Metres): 7152.856

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:16:40

Study Year  
1998

PIN  
041230080

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 4744

Multiple PINS: Y

PIN Certainty: 2

Previous Activity ID(s) : 447

Related PINS: 041230078

Name: DOMINION LOOSE LEAF CO.

Address: METCALFE STREET, OTTAWA

Facility Type: Commercial Printing Industries

Comments 1: Property occupies entire block from Metcalfe St. (E) to within 100 ft. of Elgin St. (W) & Pretoria St. (S) to Isabella St (N).

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1901-75-499,vol2. FIP1912-75-499,vol1. FIP1922-75-499,vol1. M.1921.

HL References 2:

HL References 3:

NAICS	SIC
332710	308
336310	308
336350	308
333619	308
323120	282
323114	281
323119	281
812921	282
323116	281
323115	281

Company Name

Dominion Loose Leaf Co.

Year of Operation

c. 1922



CITY OF OTTAWA

HLUI ID: \_\_679GQO

AREA (Square Metres): 7152.856

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:16:40

Study Year  
1998

PIN  
041230080

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 8342 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s) : 1006

Related PINS: 041230078

Name: LIBRARY BUREAU OF CANADA LIMITED

Address: ISABELLA STREET, OTTAWA

Facility Type: Office Furniture Industries

Comments 1: Block runs between Pretoria & Isabella from Metcalfe to within 100 feet of Driveway. Activities include: dry kiln, planing, cabinet shop, woodworking, trimming & finishing & storage.

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: FIP1912-75-499,vol1.

HL References 2:

HL References 3:

NAICS	SIC
337127	264
337213	264
337214	264

Company Name

Library Bureau of Canada Ltd.

Year of Operation

c. 1912

# Historical Land Use Inventory

## Area #14 Activity Numbers



**CITY OF OTTAWA**

**HLUI ID: \_\_6799XL**

**AREA (Square Metres): 202.337**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:21:20

**Study Year**  
2005

**PIN**  
041320129

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 14357 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :**

**Related PINS:** 041320129

**Name:** TREMCO ROOFING & CONSULTING DIVISION

**Address:** 501 METCALFE STREET, OTTAWA

**Facility Type:** Structural and Related Work

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2001 Employment Survey

NAICS	SIC
238160	0
238170	0

**Company Name**

TREMCO ROOFING & CONSULTING DIVISION

**Year of Operation**

c. 2001

# Historical Land Use Inventory

## Area #15 Activity Numbers





CITY OF OTTAWA

HLUI ID: \_\_679DV4

AREA (Square Metres): 371.604

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:22:05

Study Year  
1998

PIN  
041320017

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 13560 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041320017

Name: TECOGICS SCIENTIFIC  
Address: 72 PRETORIA AVENUE, OTTAWA  
Facility Type: Wire and Wire Products Industries  
Comments 1:  
Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS SIC  
333990 0

Company Name

TECOGICS SCIENTIFIC

Year of Operation

c. 2001



**CITY OF OTTAWA**  
**HLUI ID: \_\_679DV4**  
**AREA (Square Metres): 371.604**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:22:05

**Study Year**  
1998

**PIN**  
041320017

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 8907 **Multiple PINS:** N

**PIN Certainty:** 2 **Previous Activity ID(s) :** 203

**Related PINS:** 041320017

**Name:** MC AULIFFE-GRIMES LUMBER CO. LIMITED

**Address:** 488 METCALFE STREET, OTTAWA

**Facility Type:** Sawmill, Planing Mill and Shingle Mill Products Industries

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1930, M.1940, M.1950

**HL References 2:**

**HL References 3:**

NAICS	SIC
321920	251
321111	251
321919	251
321112	251

**Company Name**

**Year of Operation**

Different Company-Planing Mill

c. 1900

Mc Auliffe-Grimes Lumber Co. Ltd

c. 1950

# Historical Land Use Inventory

## Area #16 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679F0L

AREA (Square Metres): 3217.853

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:23:04

Study Year  
1998

PIN  
041230081

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 1983 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 2830

Related PINS: 041230081

Name: CAMPBELL PUMP SERVICE  
Address: 88 ISABELLA STREET, OTTAWA  
Facility Type: Gasoline Service Stations

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
811199	633
447190	633
447110	633

Company Name

Campbell Pump Service

Year of Operation

c. 1960-1970



CITY OF OTTAWA

HLUI ID: \_\_679F0L

AREA (Square Metres): 3217.853

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:23:04

Study Year  
1998

PIN  
041230081

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 4352 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 2009, 232

Related PINS: 041230081

Name: DAVIS AND HILL PLANING MILL  
Address: ISABELLA STREET, OTTAWA  
Facility Type: Sawmill, Planing Mill and Shingle Mill Products Industries

Comments 1:  
Comments 2: 68-76

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1921, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-75-499,vol1; FIP1922-75-498,vol1; FIP1948-137-498; FIP1956-137-4-498,vol1

HL References 2:

HL References 3:

NAICS	SIC
444120	563
321112	251
416320	563
444110	563
416340	563
321919	251
321111	251
416310	563
444190	563
321920	251

Company Name

Year of Operation

Hill Jas	c. 1910-1940
McAuliffe-Grimes Lumber Co.. Ltd	c. 1912-1956
Davis and Hill Planing Mill	c. 1920
Ozarko Wood Working Co. Ltd	c. 1950
Mc Auliffe Grimes Lumber Co.	c. 1950

# Historical Land Use Inventory

## Area #17 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_670H52

AREA (Square Metres): 340.983

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:23:53

Study Year  
1998

PIN  
041230085

Multi-NAIC  
Y

Multiple Activities  
N

Activity ID: 14793

Multiple PINS: N

PIN Certainty: 1

Previous Activity ID(s) : 1753

Related PINS: 041230085

Name: VENDALL MACHINES LIMITED

Address: 110 ISABELLA STREET, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: Machine Shop, Soft Drink Cabinet Assembly

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1955, M.1958, M.1961, M.1964, S.1958, S.1961, S.1964, S.1965; FIP1901, Vol2; FIP1912-75-498, Vol1; FIP1922-75-498, Vol1; FIP1948-137-498; FIP1956-137-4-498, Vol1

HL References 2:

HL References 3:

NAICS	SIC
332510	306
333511	306
336350	308
333519	306
332710	308
333619	308
336310	308

**Company Name**

Vendall machines Ltd.

**Year of Operation**

c. 1948-1965

# Historical Land Use Inventory

## Area #18 Activity Numbers





CITY OF OTTAWA

HLUI ID: \_\_679AB7

AREA (Square Metres): 679.051

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:24:20

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041230085	Y	N
2005	041230126	N	N

Activity ID: 13109 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) :

Related PINS: 041230126

Name: STERLING MARKING PRODUCTS INC.

Address: 112 ISABELLA STREET, OTTAWA

Facility Type: Commercial Printing Industries

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
323119	0

Company Name	Year of Operation
STERLING MARKING PRODUCTS INC.	c. 2001



CITY OF OTTAWA

HLUI ID: \_\_679AB7

AREA (Square Metres): 679.051

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:24:20

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	041230085	Y	N
2005	041230126	N	N

Activity ID: 14793 Multiple PINS: N

PIN Certainty: 1 Previous Activity ID(s) : 1753

Related PINS: 041230085

Name: VENDALL MACHINES LIMITED

Address: 110 ISABELLA STREET, OTTAWA

Facility Type: Machine Shop Industry

Comments 1: Machine Shop, Soft Drink Cabinet Assembly

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1955, M.1958, M.1961, M.1964, S.1958, S.1961, S.1964, S.1965; FIP1901, Vol2; FIP1912-75-498, Vol1; FIP1922-75-498, Vol1; FIP1948-137-498; FIP1956-137-4-498, Vol1

HL References 2:

HL References 3:

NAICS	SIC
332510	306
333511	306
336350	308
333519	306
332710	308
333619	308
336310	308

Company Name

Vendall machines Ltd.

Year of Operation

c. 1948-1965

# Historical Land Use Inventory

## Area #19 Activity Numbers



**CITY OF OTTAWA**

**HLUI ID: \_\_670H1Q**

**AREA (Square Metres): 345.787**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:25:05

**Study Year**  
1998

**PIN**  
041230086

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 8916 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :** 3346

**Related PINS:** 041230086

**Name:** MILLIGAN DENTAL LABORATORY

**Address:** 114 ISABELLA 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; SC98

**HL References 2:**

**HL References 3:** 2001 Employment Survey

<b>NAICS</b>	<b>SIC</b>
334610	399
621510	0

**Company Name**

Milligan Dental Laboratory

MILLIGAN DENTAL LABORATORY

**Year of Operation**

c. 1970-1998

c. 2001

# Historical Land Use Inventory

## Area #20 Activity Numbers



**CITY OF OTTAWA**  
**HLUI ID: \_\_679E48**  
**AREA (Square Metres): 692.136**

Report: RPTC\_OT\_DEV0122  
 Run On: 12 Nov 2019 at: 14:25:27

**Study Year**  
1998

**PIN**  
041230088

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 11503                      **Multiple PINS:** N  
**PIN Certainty:** 1                      **Previous Activity ID(s) :** 833  
**Related PINS:** 041230088  
**Name:** PLANING MILL  
**Address:** 455 O'CONNOR STREET, OTTAWA  
**Facility Type:** Sawmill, Planing Mill and Shingle Mill Products Industries  
**Comments 1:**  
**Comments 2:**  
**Generator Number:**  
**Storage Tanks:**  
**HL References 1:** M.1912; FIP1912-75-498,vol1  
**HL References 2:**  
**HL References 3:**

NAICS	SIC
321111	251
321919	251
321112	251
321920	251

Company Name	Year of Operation
Planing Mill	c. 1912



**CITY OF OTTAWA**  
**HLUI ID: \_\_679E48**  
**AREA (Square Metres): 692.136**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:25:27

**Study Year**  
1998

**PIN**  
041230088

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 2538                      **Multiple PINS:** Y  
**PIN Certainty:** 2                      **Previous Activity ID(s) :** 6817

**Related PINS:** 041230088

**Name:** C.C. RAY COAL CO.  
**Address:** 134 ISABELLA STREET, OTTAWA  
**Facility Type:** Railway Transport and Related Service Industries  
**Comments 1:** ca. 1948 -Listed as City Weigh Scales  
**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1948, M.1955; FIP1901,vol2; FIP1912-74-496,vol1; FIP1922-74-496,vol1; FIP1948-133-496; FIP1956-133-496,vol1

**HL References 2:**

**HL References 3:**

NAICS	SIC
483116	453
488210	453
482114	453
482112	453
482113	453

**Company Name**

C.C. Ray Coal Co.

**Year of Operation**

c. 1948-1956



CITY OF OTTAWA

HLUI ID: \_\_679E48

AREA (Square Metres): 692.136

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:25:27

Study Year  
1998

PIN  
041230088

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 3787 Multiple PINS: N  
PIN Certainty: 1 Previous Activity ID(s) : 2833, 265

Related PINS: 041230088

Name: ELIE AUTO BODY  
Address: 120 ISABELLA STREET,  
Facility Type: Motor Vehicle Repair Shops

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: M.1948, M.1955, M.1960, M.1970, M.1980; SC98; FIP1901,vol2; FIP1912-75-498, Vol1; FIP1922-75-498, Vol1; FIP1948-137-498; FIP1956-137-4-498, Vol1

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811121	0
811119	635
811199	633
811112	635
447110	633
811121	635
447190	633

Company Name	Year of Operation
SUPERIOR AUTO BODY LIMITED	c. 2001
Dan Robitaille Body Shop	c. 1970
Unnamed Garage	c. 1948
Superior Auto Body Ltd.	c. 1998
ELIE AUTO BODY	c. 2005
Atlantica Body Shop	c. 1980
Corrigan's Garage	c. 1956-1970
Griffin AutoMotive Service Ltd.	c. 1998





**CITY OF OTTAWA**  
**HLUI ID: \_\_679E48**  
**AREA (Square Metres): 692.136**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:25:27

**Study Year**  
1998

**PIN**  
041230088

**Multi-NAIC**  
Y

**Multiple Activities**  
Y

**Activity ID:** 6645 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :**

**Related PINS:** 041230088

**Name:** GRIFFIN AUTOMOTIVE SERVICE LIMITED

**Address:** 461 O'CONNOR STREET,

**Facility Type:** Motor Vehicles, Wholesale

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2005 Select Phone

NAICS	SIC
811112	0
811199	0
811121	0
811111	0
811119	0

**Company Name**

**Year of Operation**

GRIFFIN AUTOMOTIVE SERVICE LIMITED

c. 2005

GRIFFIN AUTOMOTIVE SERVICE LIMITED

c. 2001

# Historical Land Use Inventory

## Area #21 Activity Numbers



CITY OF OTTAWA  
HLUI ID: \_\_679GGC

Report: RPTC\_OT\_DEV0122  
Run On: 12 Nov 2019 at: 14:27:48

AREA (Square Metres): 40665.443

Study Year  
1998

PIN  
041230065

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 12365                      Multiple PINS: N  
PIN Certainty: 1                      Previous Activity ID(s) : 7058

Related PINS: 041230065

Name: SAMUEL ROGERS OIL CO.  
Address: , OTTAWA  
Facility Type: Petroleum Products, Wholesale  
Comments 1:  
Comments 2:

Generator Number:

Storage Tanks:

HL References 1: Intera-1988a

HL References 2:

HL References 3:

NAICS	SIC
419120	511
454310	511
412110	511

Company Name

Samuel Rogers Oil Co.

Year of Operation

c. 1901



CITY OF OTTAWA

HLUI ID: \_\_679GGC

AREA (Square Metres): 40665.443

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:27:48

Study Year  
1998

PIN  
041230065

Multi-NAIC  
Y

Multiple Activities  
Y

Activity ID: 6519 Multiple PINS: Y

PIN Certainty: 2 Previous Activity ID(s) : 3449

Related PINS: 041220201

Name: GRAND TRUNK RAILWAY

Address: O'CONNOR STREET, OTTAWA

Facility Type: Railway Transport and Related Service Industries

Comments 1: - wood working, car building shop/office, large coal bin and cattle pens Also listed with address on Isabella St and Metcalfe St. Located on both the east and west sides of the street.

Comments 2: It takes up the area between Isabella and Catherine, south west from Elgin and the Driveway to O'Connor. Grand Trunk Railway bought by CNR in 1925. CNR also listed with an address on Bank St. (556 Bank St.)

Generator Number:

Storage Tanks:

HL References 1: M.1900, M.1910, M.1920, M.1921, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-74-493,vol1; FIP1912-75-497,vol1; FIP1922-74-494A,vol1; FIP1922-75-497,vol1; FIP1948-133-493; FIP1948-137-497; FIP1956-133-493,vol1

HL References 2:

HL References 3:

NAICS	SIC
493130	479
487110	457
483116	453
493120	479
488990	457
493190	479
485210	457
485510	457
485990	457
485110	457
488210	453
482112	453
482114	453
482113	453
485410	457

Company Name

Year of Operation

Canadian National Railway	c. 1912-1956
C.A.R.	c. 1900
Grand Trunk Railway	c. 1910-1920

# Historical Land Use Inventory

## Area #22 Activity Numbers



CITY OF OTTAWA

HLUI ID: \_\_679CFI

AREA (Square Metres): 304.878

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:26:29

**Study Year**  
1998

**PIN**  
041230077

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 6519                                    **Multiple PINS:** Y  
**PIN Certainty:** 2                                    **Previous Activity ID(s) :** 3449  
**Related PINS:** 041220201

**Name:** GRAND TRUNK RAILWAY  
**Address:** O'CONNOR STREET, OTTAWA  
**Facility Type:** Railway Transport and Related Service Industries  
**Comments 1:** - wood working, car building shop/office, large coal bin and cattle pens Also listed with address on Isabella St and Metcalfe St. Located on both the east and west sides of the street.  
**Comments 2:** It takes up the area between Isabella and Catherine, south west from Elgin and the Driveway to O'Connor. Grand Trunk Railway bought by CNR in 1925. CNR also listed with an address on Bank St. (556 Bank St.)

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1900, M.1910, M.1920, M.1921, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-74-493,vol1; FIP1912-75-497,vol1; FIP1922-74-494A,vol1; FIP1922-75-497,vol1; FIP1948-133-493; FIP1948-137-497; FIP1956-133-493,vol1

**HL References 2:**

**HL References 3:**

NAICS	SIC
493130	479
487110	457
483116	453
493120	479
488990	457
493190	479
485210	457
485510	457
485990	457
485110	457
488210	453
482112	453
482114	453
482113	453
485410	457

**Company Name**

**Year of Operation**

Canadian National Railway	c. 1912-1956
C.A.R.	c. 1900
Grand Trunk Railway	c. 1910-1920

# Historical Land Use Inventory

## Area #23 Activity Numbers



**CITY OF OTTAWA**

**HLUI ID: \_\_679EN0**

**AREA (Square Metres): 563.298**

Report: RPTC\_OT\_DEV0122

Run On: 12 Nov 2019 at: 14:28:32

**Study Year**  
1998

**PIN**  
041230076

**Multi-NAIC**  
Y

**Multiple Activities**  
N

**Activity ID:** 6519    **Multiple PINS:** Y  
**PIN Certainty:** 2     **Previous Activity ID(s) :** 3449  
**Related PINS:** 041220201  
**Name:** GRAND TRUNK RAILWAY  
**Address:** O'CONNOR STREET, OTTAWA  
**Facility Type:** Railway Transport and Related Service Industries  
**Comments 1:** - wood working, car building shop/office,large coal bin and cattle pens Also listed with address on Isabella St and Metcalfe St. Located on both the east and west sides of the street.  
**Comments 2:** It takes up the area between Isabella and Catherine, south west from Elgin and the Driveway to O'Connor. Grand Trunk Railway bought by CNR in 1925. CNR also listed with an address on Bank St. (556 Bank St.)

**Generator Number:**  
**Storage Tanks:**  
**HL References 1:** M.1900, M.1910, M.1920, M.1921, M.1930, M.1940, M.1948, M.1950, M.1955; FIP1901,vol2; FIP1912-74-493,vol1; FIP1912-75-497,vol1; FIP1922-74-494A,vol1; FIP1922-75-497,vol1; FIP1948-133-493; FIP1948-137-497; FIP1956-133-493,vol1

**HL References 2:**  
**HL References 3:**

NAICS	SIC
493130	479
487110	457
483116	453
493120	479
488990	457
493190	479
485210	457
485510	457
485990	457
485110	457
488210	453
482112	453
482114	453
482113	453
485410	457

Company Name	Year of Operation
Canadian National Railway	c. 1912-1956
C.A.R.	c. 1900
Grand Trunk Railway	c. 1910-1920



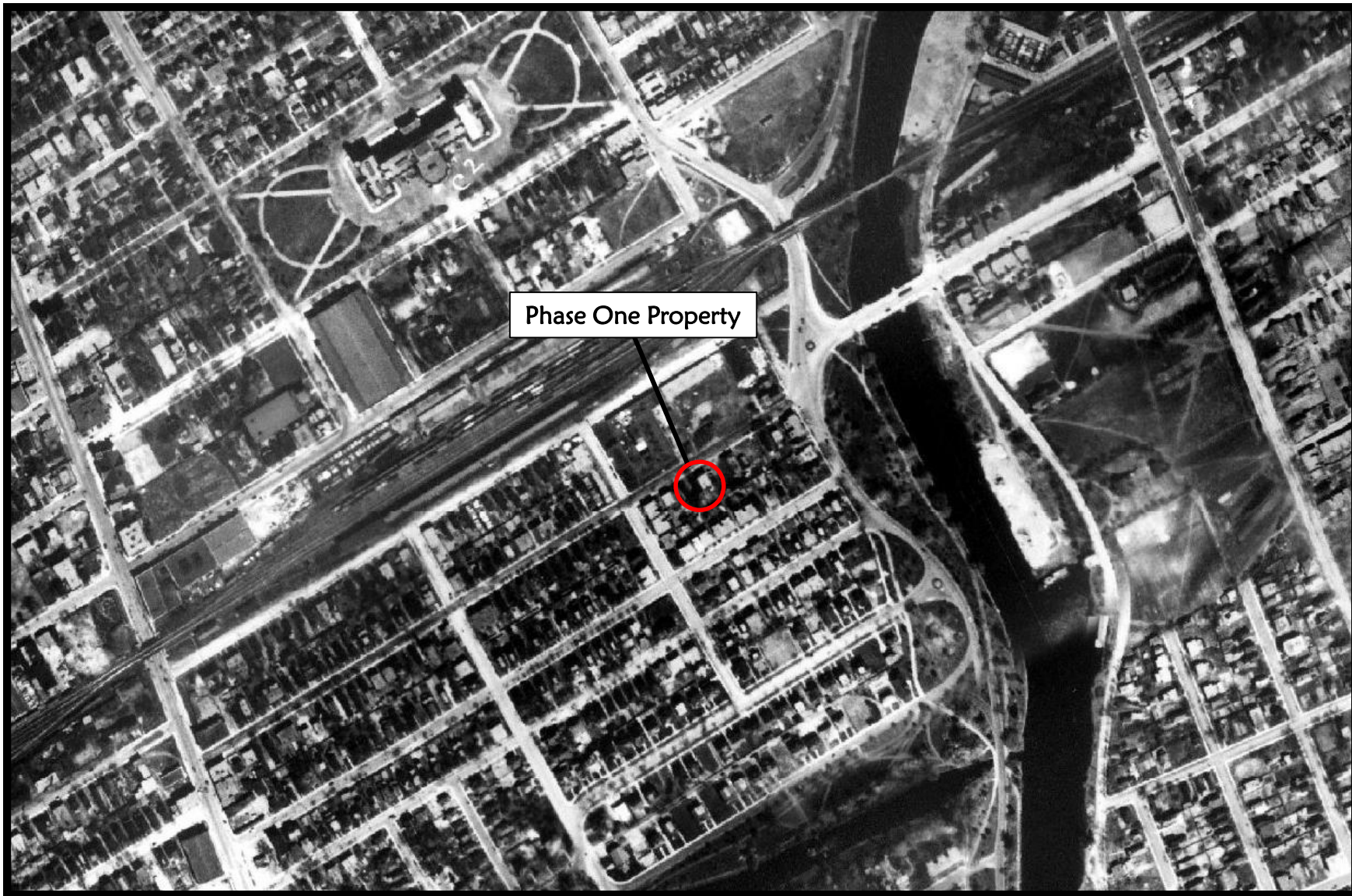
## **APPENDIX B**

### Site and Aerial Photographs

This appendix includes:

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



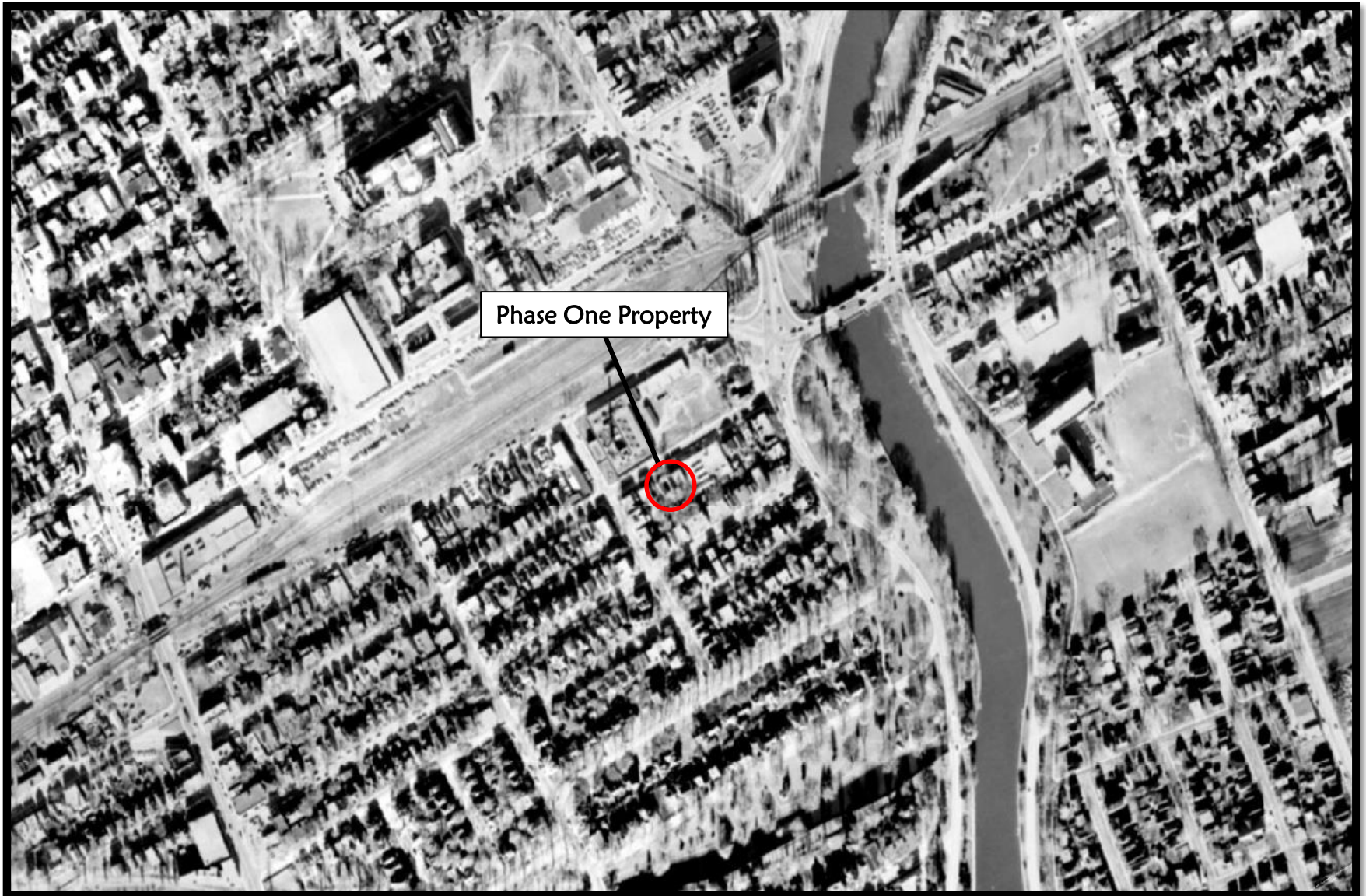


Historical Aerial Photography of the Phase One Property - 1928  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419



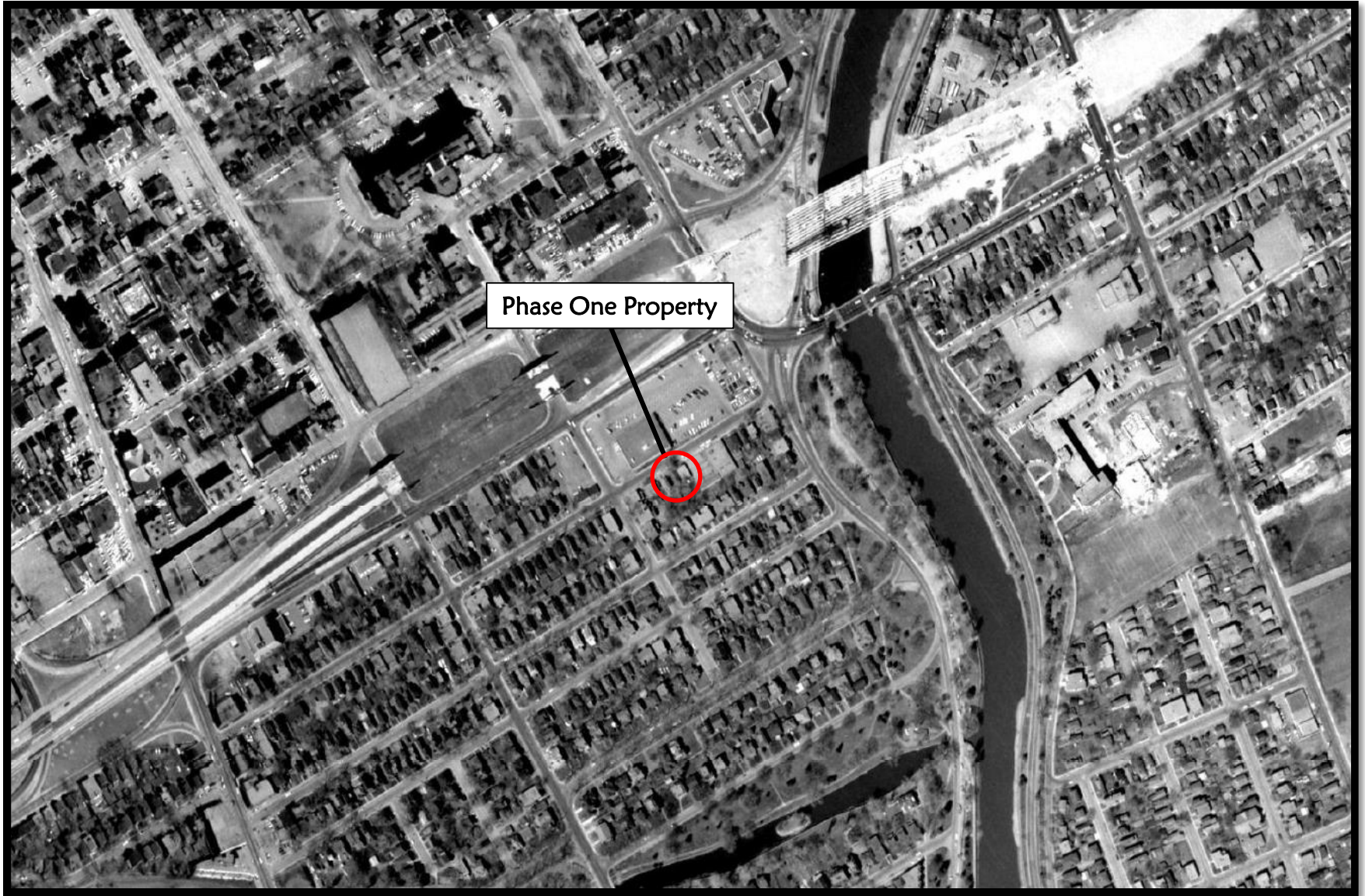


Historical Aerial Photography of the Phase One Property - 1958  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419





Historical Aerial Photography of the Phase One Property - 1965  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419



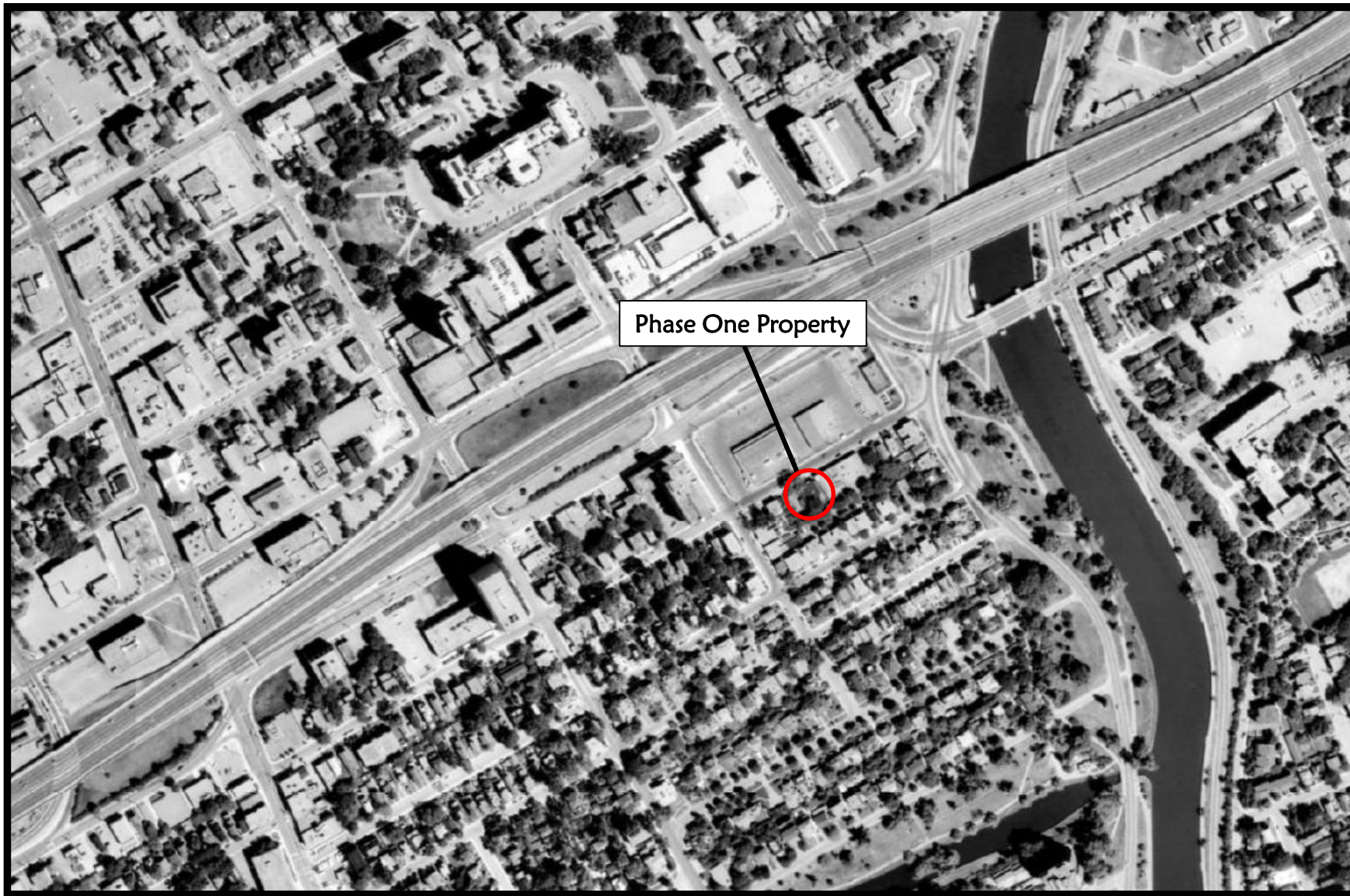


Historical Aerial Photography of the Phase One Property - 1976  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419





Historical Aerial Photography of the Phase One Property - 1991  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419



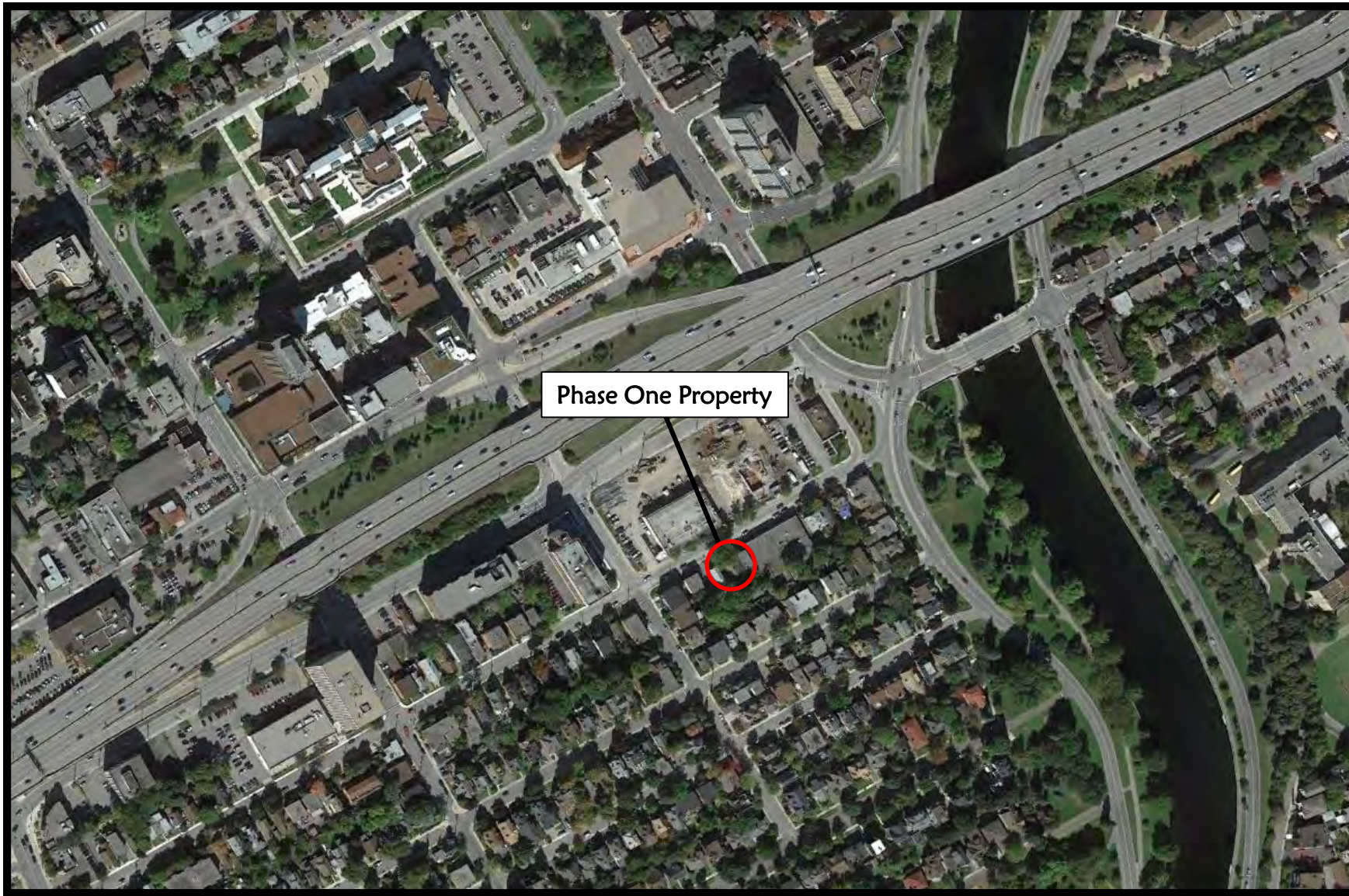


Historical Aerial Photography of the Phase One Property - 2007  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419





Historical Aerial Photography of the Phase One Property - 2013  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419







Historical Aerial Photography of the Phase One Property - 2014  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419





Historical Aerial Photography of the Phase One Property - 2017  
24&26 Pretoria Avenue, Ottawa, Ontario



June 2019  
190419





Photo 1: The Phase One Property  
(24 Pretoria Avenue – north facing exterior wall)



Photo 2: The Phase One Property  
(24 Pretoria Avenue – south facing exterior wall)



Photo 3: The Phase One Property  
(24 Pretoria Avenue – east facing exterior wall)



Photo 4: The Phase One Property  
(24 Pretoria Avenue – rusted paint cans  
within back yard)



Photo 5: The Phase One Property  
(24 Pretoria Avenue – domestic waste and  
overgrown back yard)



Photo 6: The Phase One Property  
(24 Pretoria Avenue – domestic waste within  
front yard)



Photo 7: The Phase One Property  
(26 Pretoria Avenue – north facing exterior wall)



Photo 8: The Phase One Property  
(26 Pretoria Avenue – south facing exterior wall)



Photo 9: The Phase One Property  
(26 Pretoria Avenue – west facing exterior wall)



Photo 10: The Phase One Property  
(26 Pretoria Avenue – back yard view)



Photo 1: The Phase One Property  
(24 Pretoria Avenue – basement floor near  
furnace)



Photo 2: The Phase One Property  
(24 Pretoria Avenue – basement floor near  
furnace)



Photo 3: The Phase One Property  
(24 Pretoria Avenue – basement floor drain)



Photo 4: The Phase One Property  
(24 Pretoria Avenue – basement wall behind  
furnace)

## APPENDIX C

### Assessor Credentials

This appendix includes the curriculum vitae for:

- Carolyn Miller
- Karen Greer



## EDUCATION

- B.ASc., Environmental Engineering, University of Waterloo, 2018

## YEARS OF EXPERIENCE

- 2 years of experience
- 1 year with BluMetric

## EMPLOYMENT HISTORY

- 2018 - Present: BluMetric, Engineer in Training
- 2016 - 2017 (Fall and Summer): BluMetric, Junior Environmental Technician
- 2016 (Winter): Pinchin Ltd., AutoCAD Technician
- 2015 (Summer): Novozymes, Process Engineering Student
- 2014 (Fall): City of Brampton, Capital Works Inspector
- 2014 (Winter): Iogen Corporation, Pilot Fermentation Assistant

## TRAINING

- Traffic Control
- WHMIS
- First Aid and CPR

## PROFESSIONAL AFFILIATIONS

- Professional Engineers Ontario, Engineer in Training

## LANGUAGES

- English
- French (basic)

## ROLE

- Junior Professional
- Field Team Member

## EXPERTISE

- Environmental Engineering
- Environmental Sampling
- Data Management
- Landfill Monitoring

## PROFESSIONAL PROFILE

Ms. Miller is a recent graduate in Environmental Engineering from the University of Waterloo. Her project portfolio includes environmental monitoring and contaminated site investigations focused on hydrocarbon impacted sites, solid waste disposal sites, and private production facilities.

She is skilled in conducting water and soil sampling programs for contaminated site investigations and overseeing landfill closure and reclamation work. Ms. Miller is frequently involved in the interpretation and annual reporting of analytical data resulting from Phase II ESAs.

Ms. Miller has a wide range of knowledge gained from her two years of work as a co-op student. She has experience working in process engineering, civil construction, occupational hygiene and indoor air quality, and environmental site assessment and remediation.

## REPRESENTATIVE EXPERIENCE

### Environmental Sampling

Ms. Miller routinely participates in groundwater and surface water monitoring programs and domestic well sampling. She is familiar with traditional manual groundwater sampling, low flow sampling, bailers, submersible pump sampling, and semi-permeable membrane bag samplers. Select relevant projects include:

- Circle K Convenience Stores. Provision of Environmental Assessment and Monitoring Services, Western and Eastern Ontario. Site Assessor and Field Team Member. Responsible for planning and conducting



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groundwater sampling and monitoring events at various Circle K locations across Ontario, analysing data and preparing annual monitoring reports (2016-Ongoing).

- Waste Management of Canada. Operations & Monitoring of Wastewater Treatment System, Ottawa, ON. Site Assessor and Field Team Member. Responsible for operating and maintaining an activated sludge wastewater treatment system. Other duties include conducting groundwater and process water sampling and monitoring events, data analysis and preparing annual monitoring reports (2017-Ongoing).
- Conoco Phillips. Groundwater, Surface Water and Domestic Well Sampling, Port Loring, ON. Field Team Member. Responsible for planning and conducting extensive groundwater, surface water, and domestic well sampling program for a remote town (September 2016).

### **Landfill Monitoring**

Ms. Miller's landfill experience has involved construction oversight, final capping and closure supervision, leachate treatment systems, and conducting groundwater and surface water sampling at both active and closed municipal and private landfills. Select relevant projects include:

- The Corporation of the Township of Faraday. Cell 4 Reclamation, Faraday, ON. Site Supervisor. Construction oversight of the reclamation of a closed landfill cell, which involved supervising the use of heavy machinery for excavation and compaction, ensuring contract completion, surveying, and preparing daily client reports summarizing all site activities, delays, and health and safety concerns. (July-August 2018).
- Municipality of Hastings Highlands. North Baptiste Closure, North Baptiste, ON. Site Supervisor. Supervision of the placement of final cap, compaction work, and all other closure activities. Additional responsibilities included surveying the final cap material and inspecting test holes to ensure sufficient depth and grading was applied (July 2018).
- Waste Management of Canada. Groundwater, Surface Water and Domestic Well Sampling, Ottawa, ON. Site Assessor and Field Team Member. Responsible for planning and conducting groundwater and surface water sampling and monitoring events at the West Carleton landfill and surrounding area. Other duties include data analysis and preparing annual monitoring reports (2017-Ongoing).
- Township of Augusta. Operation and Maintenance of the Wetland Treatment System for the Maynard Waste Disposal Site, Maynard, ON. Site Assessor and Field Team Member. Responsible for the operation, design, and sampling of a constructed wetland groundwater treatment system at a municipal landfill. Other duties include data analysis and preparing a detailed operations manual (May 2018-Ongoing).





## EDUCATION

- M.Sc., Earth Science, University of Waterloo, 2009
- B.Sc., Earth Science, University of Waterloo, 2003

## YEARS OF EXPERIENCE

- 17 years of experience
- 16 years with BluMetric

## EMPLOYMENT HISTORY

- 2003 – Present: BluMetric, Team Lead - Site Assessment & Remediation Ottawa, Senior Hydrogeologist
- 2002: Environment Canada, Environmental Research Assistant
- 2001: Aqua Terre Solutions Inc., Field Technician
- 2000: University of Waterloo, Hydrogeology Field Assistant
- 2000: Natural Resources Canada, Lab Assistant

## PROFESSIONAL AFFILIATIONS

- Professional Geoscientists of Ontario
- National Ground Water Association
- International Association of Hydrogeologists

## TRAINING

- Expert Witness Forum, 2018
- Fundamentals of Aquifer Test Interpretation, S.S. Papadopoulos & Associates Inc., GeoOttawa, 2017
- Advanced Construction Dewatering, Aquatech, GeoOttawa, 2017
- First Aid/CPR

## LANGUAGES

- English
- French

## ROLE

- Team Lead
- Senior Hydrogeologist
- Senior Technical Lead
- Project Manager

## EXPERTISE

- Physical and Contaminant Hydrogeology
- Waste Disposal Site Characterization and Monitoring
- Fate and Transport in Fractured Bedrock
- Contaminated Site Assessment and Remediation

## PROFESSIONAL PROFILE

Ms. Greer's experience has focused on the physical and chemical hydrogeological characterization of sites (overburden and bedrock), working extensively on projects detailing the hydrogeological properties and fate and transport of contaminants within fractured bedrock. Contaminants she has dealt with include chlorinated solvents, petroleum hydrocarbons, leachate, as well as emerging contaminants such as perfluoroalkylated substances (PFS) and 1-4 dioxane. She routinely manages and acts in a senior technical role on projects relating to Environmental Site Assessments (ESA), contaminated site remediation, hydrogeological investigations as well as permitting and approvals. Ms. Greer's background, experience and understanding of physical and chemical hydrogeology allows her to play a senior technical role within BluMetric as well as to liaise with stakeholders, conduct peer reviews and provide expert technical support. Ms. Greer is a Qualified Person (QP) as per Ontario Regulation 153/04 for Phase I and II ESA in support of filing for a Record of Site Condition (RSC) as well as a QP groundwater in Ontario.

Clients Ms. Greer has worked for include federal, provincial and municipal governments, large industry, commercial enterprises and the private sector.



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## REPRESENTATIVE EXPERIENCE

### Project Management

Ms. Greer has successfully managed projects ranging from small-scale to multi-year, multi-disciplinary ventures. She has managed projects involving solid waste management, contaminant hydrogeology, environmental site assessments and remediation, peer review and expert support and water supply. Her work has required integration of project teams comprised of the appropriately skilled personnel to produce a high quality product in a timely manner. Teams have been multi-disciplinary from across the province including partnership with other BluMetric offices, sub-contractors, contractors, the public and regulators from multiple level of government.

Ms. Greer appreciates that each project is unique and that project requirements sometimes change during implementation. Communication and regular project meetings with all stakeholders (staff, regulators and clients etc.) ensure that project objectives continue to be efficiently met. Regular internal updates and budget reviews ensure the projects remain on schedule and on budget.

### Physical and Chemical Hydrogeology

Ms. Greer specializes in the physical and chemical characterization of sites with the development of detailed Conceptual Site Models (CSM) for complex hydrogeological sites. Her work has extended from small localized contaminated sites, to large regional scale impacts. She has experience with all aspects of the work from the field work, regulatory compliance, stakeholder communication and reporting. Ms. Greer specializes in detailed borehole characterization (core logging, profiling), aquifer characterization from pump test, slug and bail test data and has determined the detailed hydrogeological properties of fractured bedrock using packer systems. She is experienced in groundwater modelling using Visual Modflow. She has conducted groundwater under the direct influence of surface water (GUDI) investigations. Select projects include:

- Borden Ladner Gervais LLP. Hydrogeological delineation and investigation related to road salt contamination of domestic water supply aquifer, Emsdale ON. Project Manager and Senior Hydrogeologist. Delineation and CSM refinement of road salt impacted overburden and bedrock groundwater, data gap analysis, detailed bedrock characterization and well profiling. Responsible for project and client management, communication with residence, municipality and various other stakeholders including legal teams (2011-Present).
- Private Client. Municipal Water Supply Development, Port Loring ON. Work included drilling, aquifer testing, GUDI analysis, extensive chemical sampling and PTTW application for a new municipal water supply system. Hydrocarbons released from underground storage tanks in the late 1970s rendered private domestic groundwater supplies in the village unusable (2003-Present).
- Public Works and Government Services Canada. Phase I/II/III ESA, Groundwater Investigations, CSM Update, Domestic Water Sampling and Remedial Options Analysis, Former Fire Fighter Training Area at the Sault Ste. Marie Airport and Adjacent Pointe Des Chenes Campground, Sault Ste. Marie ON. Hydrogeological investigation of site and downgradient property with soil and groundwater impacted by PHCs, BTEX and PFAS. Qualified Person, Project Manager and Senior Hydrogeologist. Responded quickly and effectively to changing client needs and project objectives; liaised with stakeholders (MOECC, Health Canada, downgradient property owner, City of Sault Ste. Marie and general public); completed technical data interpretation and reporting oversight; provided preliminary remedial and risk management options assessment; and oversaw and was responsible for QA/QC of project deliverables. Work in accordance with CSA Standards for Phase I (Z768-01) and



Phase II (Z769-00) ESAs (July 2015-March 2018).

- Public Works and Government Services Canada. Gap Analysis, Phase II/III ESA, Human Health and Ecological DQRA, Remedial Options Analysis and Risk Management Plan Development/Implementation for a Former RV Compound at CFB North Bay, North Bay ON. Project Manager and Senior Hydrogeologist. Design and implementation of an environmental monitoring and maintenance plan, multi-year database and site-specific health and safety plan to manage human and ecological risks at a former small landfill site. Soil, sediment and groundwater impacted with PAHs, PHCs/BTEX and inorganics. Ms. Greer was responsible for stakeholder communication; completed technical data interpretation and reporting oversight; and oversaw and was responsible for QA/QC of project deliverables. Work in accordance with CSA Standard for Phase II (Z769-00) ESAs (July 2015-March 2017).
- Timminco Ltd. Hydrogeological Studies and Effluent Management at Timminco Metals Plant, Haley ON. Project Management Support. Responsibilities included supporting the project manager in resource management for site activities relating to ECA compliance (site groundwater monitoring and sampling) for the on-site water treatment system. Also supported implementation of on-site sampling program (2011-2012).
- Infrastructure Ontario. Pan Am Athletes' Village Geotechnical Engineering Related Services, Toronto ON. Project to complete hydrogeological and geothermal assessments as part of a larger project to inform site design and construction and reduce the environmental impact of development. Hydrogeological investigation completed for the purpose of obtaining PTTWs required for site redevelopment and building construction (2009-2011).
- Regional Municipality of Waterloo. Hespeler Waste Water Treatment Plant, Cambridge ON. Development of a construction dewatering plan including site conceptual hydrogeologic model, determination of groundwater volumes for pumping and potential interference effects and permitting and approvals (2008-2011).

### **Waste Disposal Site Monitoring and Solid Waste Management**

Ms. Greer has been working on waste disposal sites for 15 year. She has been a senior technical reviewer and resource on private, industrial and municipal sites of varying sizes both open and closed. Her role has also included senior project management, detailed hydrogeological investigations, permitting and approval compliance assessment and monitoring, regulator communication and stakeholder interaction. Select projects include:

- Waste Management of Canada Inc. Various Waste Management Services for West Carleton Environmental Centre, Ottawa ON. Project Manager and Senior Hydrogeologist. Responsible for: overall management of site environmental monitoring program for both groundwater and surface water; hydrogeologic investigations for leachate impact delineation; and oversight and evaluation of effectiveness of leachate capture system and compliance within the contaminant attenuation zone (CAZ). Also involved in environmental assessments for potential expansion of the landfill including public and government review team consultations and acting in the role of Project Team Liaison (2014-Present).
- Domtar Inc. Private Waste Disposal Site Environmental Compliance for an active site, Cornwall ON. Project Manager and Senior Hydrogeologist. Responsible for overall management of site environmental monitoring program (groundwater and surface water), CAZ assessment and compliance and reporting (2014-Present).
- Ingredion Canada Inc. Waste Disposal Site Environmental Compliance for a Closed Site, Cardinal ON.



Senior Hydrogeologist. Responsible for the environmental monitoring and reporting of a solid waste disposal site including CAZ delineation and assessment, co-mingling plume examination and communication (2014-Present).

- Magellan Aerospace (A Division of Magellan Aerospace Limited). Waste Management Services for an Active Site, Haley ON. Senior Hydrogeologist. Responsible for the environmental monitoring and reporting of a solid waste disposal site including waste audits, volumetric surveying, contaminating life span and financial assurance calculations (2014-Present).
- Township of Augusta - Maynard and North Augusta Waste Disposal Sites. Senior Project Manager and Senior Hydrogeologist. Responsible for: Senior level review of environmental contamination monitoring program (groundwater, surface water, leachate and landfill gas) management, development and implementation as well as site operations for both closed and active natural attenuation WDSs; re-assessment, development and implementation of trigger levels; mitigation measure implementation through engineered design and implementation of capture trench system and wetland treatment at one of the WDSs and associated permitting and approvals; and regulatory reporting requirements. Senior support in limited remedial options assessment and design of upgrade to Wetland Treatment System at Maynard Landfill (in progress) in order to help reduce cost of the monitoring programs (2014-Present).
- Townships of North Augusta and North Grenville. Annual Landfill Monitoring and Operations Reviews, Eastern ON. Senior Hydrogeologist. Work included environmental monitoring and review of site operations for both closed and active sites, including annual reporting of seven municipal landfills (2012-Present).
- City of Stratford. Environmental Monitoring and Review of Landfill Operations for an Active Site, Stratford ON. Project Hydrogeologist. Work included environmental monitoring and sampling and annual landfill reporting (2003-Present).
- Township of West Elgin. Environmental Monitoring and Review of Landfill Operations for an Active Site, West Elgin ON. Project Hydrogeologist. Project included environmental monitoring and review of site operations, including annual reporting of landfill (2003-Present).

### **Environmental Site Assessment**

Ms. Greer has conducted many ESAs for residential/industrial/commercial properties and for existing or former government owned/operated properties/facilities on behalf government agencies, private industry, insurance companies and banks. Assessments have been performed in accordance with O.Reg 153/04, as amended in support of RSC filings as well as in accordance with the CSA Standards. Select projects include:

- City of Ottawa, Various Phase I/II ESAs Under Standing Offer Agreement Ottawa ON. Assessments were carried out to meet due diligence requirements for land purchases and sales, establish baseline conditions and assess properties where environmental impacts are known or suspected. Work occurred at various sites across the city (2009-Present).
- Public Works and Government Services Canada on behalf of Parks Canada. Additional Assessment Work at Forty-Six Toronto Region Conservation Authority (TRCA) Properties and Phase I/II ESAs at four additional TRCA Properties, Toronto ON. Senior Technical Reviewer. Ms. Greer was responsible providing senior review of assessment reports. Work in accordance with Parks Canada Site Assessment Framework and CSA Standards for Phase I (Z768-01) and Phase II (Z769-00) ESAs (January-March 2017).
- Private Pulp and Paper client. Environmental Site Assessments, Various Sites ON and QC. Work was conducted at rural active pulp and paper sites (2017).



- Private Client, Phase I/II ESA and Remediation at a PAH Impacted Site Cornwall ON. Work was completed in support of a RSC for the site which had been impacted by historic operations of an adjacent property. Project Manager, Qualified Person and Senior Hydrogeologist. Ms. Greer liaised with stakeholders (MOECC, downgradient property owner and general public); completed technical data interpretation and reporting oversight; and oversaw/was responsible for QA/QC of project deliverables (2013-2016).
- Private Client, Phase I and II ESA and Remediation at a PAH Impacted Site Cornwall ON. Work was completed in support of a RSC for the site which had been contaminated by historic on-site industrial activities. Project Manager, Qualified Person and Senior Hydrogeologist. Ms. Greer liaised with stakeholders (MOECC, downgradient property owner and general public), completed technical data interpretation and reporting oversight and oversaw/was responsible for QA/QC of project deliverables (2011-2013).
- Private Client. Phase I ESA and RSC filing Winchester ON. Project Manager, Qualified Person and Senior Hydrogeologist. Ms. Greer successfully filed the RSC based on the Phase I ESA.
- Private Industrial Client. Phase I/II/III ESA for a former Industrial Facility Thorold ON. Project Hydrogeologist. Responsible for PCB, PHC and metals-impacted soil, groundwater and sediment investigation, delineation and remediation (2007-2011).
- Private Client (Automotive Parts Manufacturer). Various Services Including Eight Phase I/II ESAs for Properties to be Closed or Divested, Various Sites ON and QC. The properties represented a variety of geological and hydrogeological settings. Contaminants of concern included metals, PHCs, chlorinated solvents, PAHs and PCBs (2003-2011).
- Co-op Federal. Phase I ESAs, Various Sites ON and QC. Work was conducted at rural retail sites (2009).
- Infrastructure Ontario. Phase I/II ESA, Huron Park ON. Assessment of a site with multiple tenants undertaking various light industrial and commercial activities. The project included the collection of soil, ground water and indoor air samples in order to determine chemicals of concern (2005).

### Contaminant Site Remediation

Ms. Greer has been involved with the delineation and investigation of contamination in overburden and bedrock and she has been highly involved with non-aqueous phase liquid monitoring, sampling, data analysis and modeling for plume determination and remediation. She has conducted extensive work with the implementation of in-situ chemical oxidation and monitored natural attenuation to meet overall remediation objectives for specific sites. Select projects include:

- High Commission of Trinidad and Tobago, Remedial Action Plan development and implementation, Ottawa ON. Remedial options assessment was completed based on site conditions with recommendations of multi-phase extraction system as the preferred solution. Project Manager and Senior Hydrogeologist. Work included detailed delineation of free and dissolved phase contamination, multi-source investigations, bench scale and pilot scale testing, product removal and reporting (2013-Present).
- Mac's Convenience Stores. Hydrogeological Study and Remediation, Fergus ON. Remediation consisted of free product removal, active plume management and containment (pump and treat with vacuum extraction), in-situ (persulphate) and monitored natural attenuation. Hydrogeologist. Ms. Greer's responsibilities included management of hydrogeological investigation, plume characterization and remediation of hydrocarbon contamination (dissolved and free phase) in fractured bedrock (2003-Present).



- Mac's Convenience Stores. Service Station Decommissioning or Upgrades, Various Sites ON. Senior Hydrogeologist. Work included contract management services and oversight of remedial activities and provision of ongoing environmental consultation services (2003-Present).
- Private Client. Environmental Site Assessment, Remedial Investigation, Feasibility Study and Design/Build of a Groundwater Remediation System, Cambridge ON. Hydrogeologist. Work was conducted to address contamination at an industrial site contaminated with TCE and TCA (2003-Present).
- Private Client. Remediation of Hydrocarbon Contamination at a Former Bulk Fuel and Retail Gas Station, Guelph ON. Hydrogeologist. The project included installation and sampling of groundwater monitoring wells, hydrocarbon fingerprinting, the development of a remedial action plan, risk assessment, excavation of impacted soil and in-situ remediation with persulphate (2003-Present).
- Infrastructure Ontario. MNRF Pembroke Works Yard Limited Phase II ESA (June 2012), Remediation Planning and Oversight (2012-2013) and Long-Term Monitoring (2013-2016), Pembroke ON. Contaminant of concern was petroleum hydrocarbons. Project Hydrogeologist. Ms. Greer was responsible for technical support and report review. This project included development of a remedial action plan and remedial specifications (NMS format), remediation oversight and follow-up environmental monitoring and reporting.

## PUBLICATIONS & PRESENTATIONS

- Greer, K.D., Barker, J.F., Molson, J.W., Thomson N.R., Donaldson, C.R. 2010. High-pressure injection of dissolved oxygen for hydrocarbon remediation in a fractured dolostone aquifer, *Journal of Contaminant Hydrology* 118 (2010) 13–26.
- Greer, K.D., 2009. Evaluation of an Oxygen Injection Technology for In-Situ Hydrocarbon Bioremediation in a Fractured Bedrock Environment. MSc Thesis, University of Waterloo.
- Greer, K.D., Barker, J.F., Molson, J.W., Donaldson, C.R., 2009. Evaluation of high-pressure oxygen injection for in-situ hydrocarbon bioremediation in a fractured bedrock environment, In *Proceedings: 62nd Annual CGS and 10th Joint IAH-CNC Groundwater Specialty Conference*, Halifax.
- Richard, F.A., van Walsum, N., Greer, K.D. and Novakowski, K. 2004. Continuous Downhole Hydraulic Testing of Fractured Bedrock Aquifers: Methodology and Field Example. *Proceedings of the 57th Canadian Geotechnical Conference/5th Joint IAH-CNC/CGS Conference*, Québec City, Canada, Oct. 24-28, 2004.



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