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**paterson**group

**Phase I Environmental Site Assessment**

Vacant Property - Oak Ridge Gate Subdivision  
Chinon Place at Breezewood Street  
Ottawa, Ontario

Prepared For

Ashcroft Homes

December 6, 2017

Report: PE2326-2

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## EXECUTIVE SUMMARY

### Assessment

A Phase I – Environmental Site Assessment was carried out for the vacant piece of land just west of the Chinon Place and Breezewood Street intersection, in the City of Ottawa, Ontario. The property does not have a civic address. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

Based on a review of historical sources, the subject property appears to have never been developed. No historical potentially contaminating activities (PCAs) were identified on the Phase I property. Surrounding properties have historically been used for agricultural purposes, with large scale residential development occurring in the early 2000's. A bus depot was constructed west of the subject site in the late 1980s and was identified by the TSSA as having two (2) USTs. The bus depot is considered a PCA but due to the distance and cross-gradient orientation with respect to the subject site, this PCA is not considered to have resulted in an APEC on the subject property.

Following the historical review, a site visit was conducted. The subject property currently exists as a vacant lot of land with grass, shrubs and small tree coverage. No environmental concerns were identified on the subject site at the time of the site visit.

The surrounding land use consisted primarily of residential properties, with some under construction light commercial property further to the south and a hydro corridor further to the north. The former bus depot to the west is considered a PCA because of the two (2) expired USTs reported by the TSSA to be onsite. However, due to the distance and cross-gradient orientation with respect to the subject site, this PCA is not considered to have resulted in an APEC on the subject property.

Based on the results of this Phase I - Environmental Site Assessment, it is our opinion that **a Phase II - Environmental Site Assessment is not required for the property.**

## **1.0 INTRODUCTION**

At the request of Ashcroft Homes, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I ESA) on the vacant land (no civic address) located west of the Chinon Place and Breezewood Street intersection, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I ESA by Ms. Keiran Watson of Ashcroft Homes. Ms. Watson can be reached by telephone at (613) 226-7266.

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

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

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## 2.0 PHASE I PROPERTY INFORMATION

Address:	No civic address for the property.
Legal Description:	Part 3, Part of Lot A, Concession 9, (Geographic Township of Cumberland) in the City of Ottawa, Ontario.
Property Identification Number (PIN):	14526-0650
Location:	The subject site is located on the east side of Trim Road, approximately 230 m north of Valin Street.
Latitude and Longitude:	45° 28' 29" N, 75° 27' 26" W
<b>Site Description:</b>	
Configuration:	Rectangular
Site Area:	8,960 m <sup>2</sup> (approximate)
Zoning:	DR – Development Reserve
Current Use:	The subject site is vacant, grassed land.
Services:	The subject site is situated in an area that is municipally serviced.

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## 3.0 SCOPE OF INVESTIGATION

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

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

---

## **4.0 RECORDS REVIEW**

### **4.1 General**

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

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

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

Based on a review of historically available information, the Phase I property does not appear to have ever been developed, although it has been used for agricultural purposes in the past.

#### **National Archives**

Fire insurance plans are not available for the Phase I study area.

Directories were reviewed at the National Archives for the subject site and properties within the Phase I study area, from 1984 through 2011. The area surrounding the subject site has been listed as residential and commercial since at least 1996. No environmental concerns were noted in the City directories with respect to the use of the subject site.

#### **Plan of Survey**

A plan of survey was prepared by the City of Ottawa and dated February 12, 2003. The plan depicts the subject site in its current configuration but has an outdated PIN number. Trim Road has been realigned since 2003 and now borders the western property boundary of the subject site. A copy of the plan is included in Appendix 1.

#### **Previous Environmental Reports**

Paterson conducted a previous Phase I ESA in conjunction with a geotechnical project for the subject property in June 2011. At that time, no environmental concerns were identified on the subject site or neighbouring properties. A total of three (3) boreholes were drilled as part of the geotechnical project, and the subsurface material was found to be predominantly firm to stiff native silty-clay. No sub-surface impacts were observed during the drilling program.

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### **City of Ottawa Historic Land Use Inventory (HLUI) Database**

A request for information from the City's Historic Land Use Inventory (HLUI 2005) database for the subject property was submitted to the City of Ottawa. The response from the City had not been received at the time of issuance of this report.

## **4.2 Environmental Source Information**

### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on November 29, 2017. The subject site and Phase I study area were not listed in the NPRI database.

### **PCB Inventory**

A search of national PCB waste storage sites was conducted. No PCB waste storage sites are located within the Phase I study area.

### **Ontario Ministry of Environment and Climate Change (MOECC) Instruments**

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

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

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

### **MOECC Incident Reports**

A request was submitted to the MOECC Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MOECC for the site or adjacent properties. At the time of issuing this report, a response from the MOECC had not been received.



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## **MOECC Waste Management Records**

A request was submitted to the MOECC Freedom of Information office for information with respect to waste management records. At the time of issuing this report, a response from the MOECC had not been received.

## **MOECC Submissions**

A request was submitted to the MOECC Freedom of Information office for information with respect to reports related to environmental conditions for the property. At the time of issuing this report, a response from the MOECC had not been received.

## **MOECC Brownfields Environmental Site Registry**

A search of the MOECC Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the Phase I study area. No Records of Site Condition (RSCs) were filed for the subject site or properties within the Phase I study area.

## **MOECC Waste Disposal Site Inventory**

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

## **Areas of Natural Significance**

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on November 29, 2017. No areas of natural significance were identified on the subject site or within the Phase I study area.

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on November 29, 2017 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. According to the TSSA, two (2) expired underground fuel tanks are present at 1830 Trim Road, the former bus depot to the west of the subject site. The TSSA correspondence is attached under Appendix 2.

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

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. No landfill sites were identified within the Phase I study area.

## **4.3 Physical Setting Sources**

### **Aerial Photographs**

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

- |         |  |
|---------|--|
| 1945    | The subject site and surrounding properties appear to be used for agricultural purposes. Scattered farmsteads are present in the general area of the subject site.   |
| 1973-85 | No apparent changes have been made to the subject site or majority of surrounding properties. The property to the south appears to have been developed with a residential dwelling.  |
| 1990    | No apparent changes have been made to the subject site or surrounding properties to the north, east and south. A bus depot is present west of the subject site, on the opposite side of Trim Road.   |
| 1994    | No apparent changes have been made to the subject site or surrounding properties to the east and south. To the north and west of the subject site, excavation activities for the construction of a large municipal drainage ditch are underway.  |
| 2005    | (City of Ottawa website) No apparent changes have been made to the subject site or surrounding properties to the south and west. To the east and south, and further to the north and west of the subject site, significant residential development is present. To the north, grassed areas and walking paths appear to be present. |
| 2017    | (City of Ottawa website) No apparent changes have been made to the subject site or surrounding properties to the east, west and south. Trim Road appears to have been realigned north of the subject site and further north residential properties are present.  |

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

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## **Topographic Maps**

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 85 m ASL, and that the regional topography in the general area of the site slopes downward to the north-northeast, towards Cardinal Creek. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

## **Physiographic Maps**

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

## **Geological Maps**

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of interbedded limestone and dolostone of the Gull River Formation. Overburden consists of clay and silt offshore marine sediments, with a drift thickness on the order of 25 to 50 m.

## **Water Well Records**

A search of the MOECCs web site for all drilled well records within 250 m of the subject site was conducted on November 29, 2017. Based on the search results, three (3) water well records were identified in the Phase I study area. Newer developments within the Phase I study area are municipally serviced.

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

Cardinal Creek is the closest significant water body, at approximately 500 m to the northeast of the subject site. No creeks, streams, lakes or other water bodies were identified in the Phase I study area. No areas of natural significance were identified within the Phase I study area.

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## **5.0 INTERVIEWS**

### **Ashcroft Homes – Planner**

Ms. Kieran Watson of Ashcroft Homes was interviewed via email. Ms. Watson provided the 2003 plan of survey and stated that the property has no municipal address. Ms. Watson stated that the property was purchased by Ashcroft Homes approximately 10 years ago and that she was uncertain as to who the previous property owners were. Ms. Watson was not aware of any environmental concerns with the subject site or surrounding properties.

## **6.0 SITE RECONNAISSANCE**

### **6.1 General Requirements**

The site assessment was conducted on November 30, 2017. Weather conditions were overcast, with a temperature of approximately 0°C. Personnel from the Environmental Department of Paterson Group conducted the site visit. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site visit.

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

#### **Buildings and Structures**

The subject site is a vacant lot of land. No buildings or structures exist on the subject property. A depiction of the subject site is shown on Drawing PE2326-2 – Site Plan, in the Figures section of this report.

#### **Site Features**

The subject site is not developed and exists as a vacant lot of land with grass, shrubs and small tree coverage.

#### **Underground Utilities**

The subject site has no underground utilities.

#### **Waste Materials**

Minor amounts of non-hazardous municipal solid waste and compostable material was present on the subject site at the time of the site visit. These items are not considered an environmental concern.

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### **Storage Tanks**

No storage tanks were present on the subject site at the time of the site visit.

### **Drains, Pits and Sumps**

No drains, pits or sumps were present on the subject site at the time of the site visit.

### **Unidentified Substances**

No unidentified substances were present on the subject site at the time of the site visit.

### **Hazardous Building Materials**

No hazardous building materials were present on the subject site at the time of the site visit.

### **Phase I Study Area**

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

- ☐ North - Residential properties, followed by Mondavi Street;
- ☐ South - Residential property, followed by Trim Road;
- ☐ East - Residential properties, followed by Breezewood Street;
- ☐ West - Trim Road, followed by a former bus depot.

The bus depot to the west of the subject site has been closed since 2014. A TSSA search request from 2011 identified two (2) active underground storage tanks (USTs) to be present at the depot. The TSSA search request sent as part of this current ESA, identified two (2) expired USTs. Based on aerial photographs, the likely location of the USTs on the bus depot property is approximately 220 m from the subject site. Based on this significant distance, the USTs are not considered to result in an APEC on the subject site. Property use within the Phase I study area is presented on Drawing PE2326-3 – Surrounding Land Use Plan.

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## **7.0 REVIEW AND EVALUATION OF INFORMATION**

### **7.1 Land Use History**

The subject site appears to have never been developed and currently exists as a vacant lot of land. The subject site has previously been used for agricultural purposes.

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

Potentially Contaminating Activities (PCAs) were not identified on the subject site. The TSSA identified two (2) expired USTs at the former bus depot to the west of the subject site. These USTs are considered to be a PCA.

#### **Areas of Potential Environmental Concern (APECs)**

Based on the distance and cross-gradient location with respect to the subject site, the identified former bus depot (offsite) PCA is not considered to represent an Area of Potential Environmental Concern (APECs) on the subject site.

#### **Contaminants of Potential Concern (CPCs)**

No contaminants of concern (CPCs) were identified on the Phase I property.

### **7.2 Conceptual Site Model**

#### **Existing Buildings and Structures**

The subject site is a vacant lot of land. No buildings or structures exist on the subject property.

#### **Geological and Hydrogeological Setting**

The subject site is located in an area of offshore marine sediments of clay and silt. Groundwater flow is expected to reflect site topography and flow in a north-easterly direction.

#### **Water Bodies**

The closest water body is Cardinal Creek, located approximately 500 m northeast of the subject site. There are no water bodies on the subject site or within the Phase I study area.

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## **Areas of Natural Significance**

No areas of natural significance were identified within the Phase I study area.

## **Water Wells**

A search of the MOECC's web site for all drilled well records within 250 m of the subject site was conducted on November 29, 2017. Based on the search results, no wells were located on the subject site. Three (3) potable well records were identified within the Phase I study area. Newer developments within the Phase I study area receive full municipal services.

## **Neighbouring Land Use**

Neighbouring land use in the Phase I study area is primarily residential, with a former bus depot to the west, some light commercial use further to the south and a hydro corridor further to the north. The residential properties consist of duplex dwellings and row housing. The bus depot was identified by the TSSA as having two (2) expired USTs on the property, and is considered to be a PCA. The light commercial property is currently under development and the ground surface of the hydro corridor has walking paths. Neighbouring land use does not pose an environmental concern to the subject site.

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

As per Section 7.1 of this report, the former bus depot to the west of the subject site was the only PCA identified within the Phase I study area. Based on the distance and cross-gradient orientation with respect to the subject site, the bus depot PCA is not considered to have resulted in an APEC on the subject site.

## **Contaminants of Potential Concern**

No CPCs were identified on the subject site.

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

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no APECs on the subject site. The presence of a PCA was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

## 8.0 CONCLUSION

### Assessment

A Phase I – Environmental Site Assessment was carried out for the property west of the Chinon Place and Breezewood Street intersection, in the City of Ottawa, Ontario. The property does not have a civic address. The purpose of this environmental assessment was to research the past and current use of the subject site and adjacent properties and identify any environmental concerns with the potential to impact the subject property.

Based on a review of historical sources, the subject property appears to have never been developed. No historical potentially contaminating activities (PCAs) were identified on the Phase I property. Surrounding properties have historically been used for agricultural purposes, with large scale residential development occurring in the early 2000's. A bus depot was constructed west of the subject site in the late 1980s and was identified by the TSSA as having two (2) USTs. The bus depot is considered a PCA but due to the distance and cross-gradient orientation with respect to the subject site, this PCA is not considered to have resulted in an APEC on the subject property.

Following the historical review, a site visit was conducted. The subject property currently exists as a vacant lot of land with grass, shrubs and small tree coverage. No environmental concerns were identified on the subject site at the time of the site visit.

The surrounding land use consisted primarily of residential properties, with some under construction light commercial property further to the south and a hydro corridor further to the north. The former bus depot to the west is considered a PCA because of the two (2) expired USTs reported by the TSSA to be onsite. However, due to the distance and cross-gradient orientation with respect to the subject site, this PCA is not considered to have resulted in an APEC on the subject property.

Based on the results of this Phase I - Environmental Site Assessment, it is our opinion that **a Phase II - Environmental Site Assessment is not required for the property.**



## 9.0 STATEMENT OF LIMITATIONS

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

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

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

### **Paterson Group Inc.**



Greg van Loenen, B.Eng.



Mark S. D'Arcy, P.Eng., QP<sub>ESA</sub>



### **Report Distribution:**

- Ashcroft Homes (1 copy)
- Paterson Group Inc. (1 copy)

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## 10.0 REFERENCES

### **Federal Records**

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

### **Provincial Records**

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

### **Municipal Records**

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

### **Local Information Sources**

Plan of Survey, prepared by the City of Ottawa, February 2003.  
Personal Interviews.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE2326-2 – SITE PLAN**

**DRAWING PE2326-3 – SURROUNDING LAND USE PLAN**

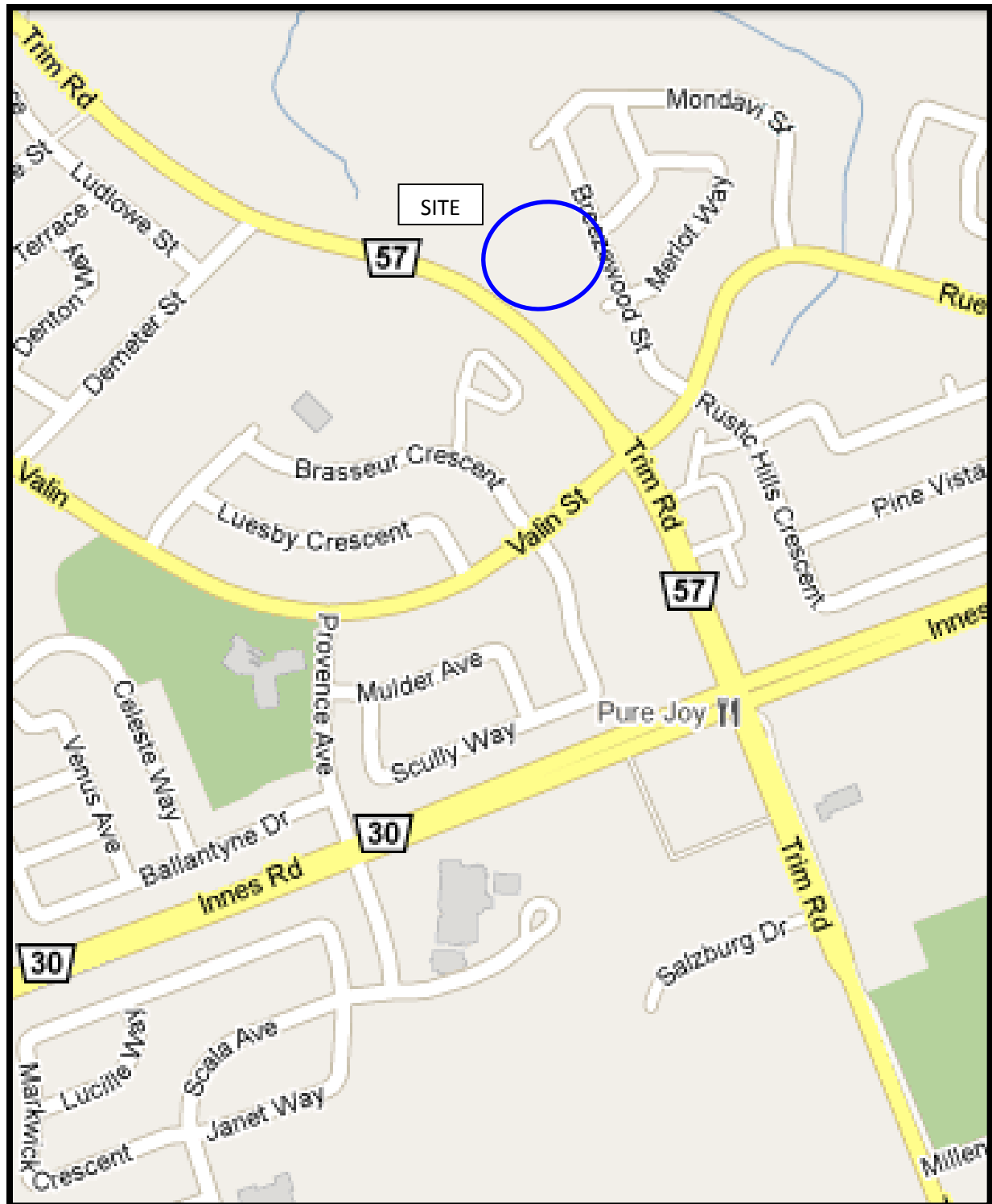


FIGURE 1  
KEY PLAN

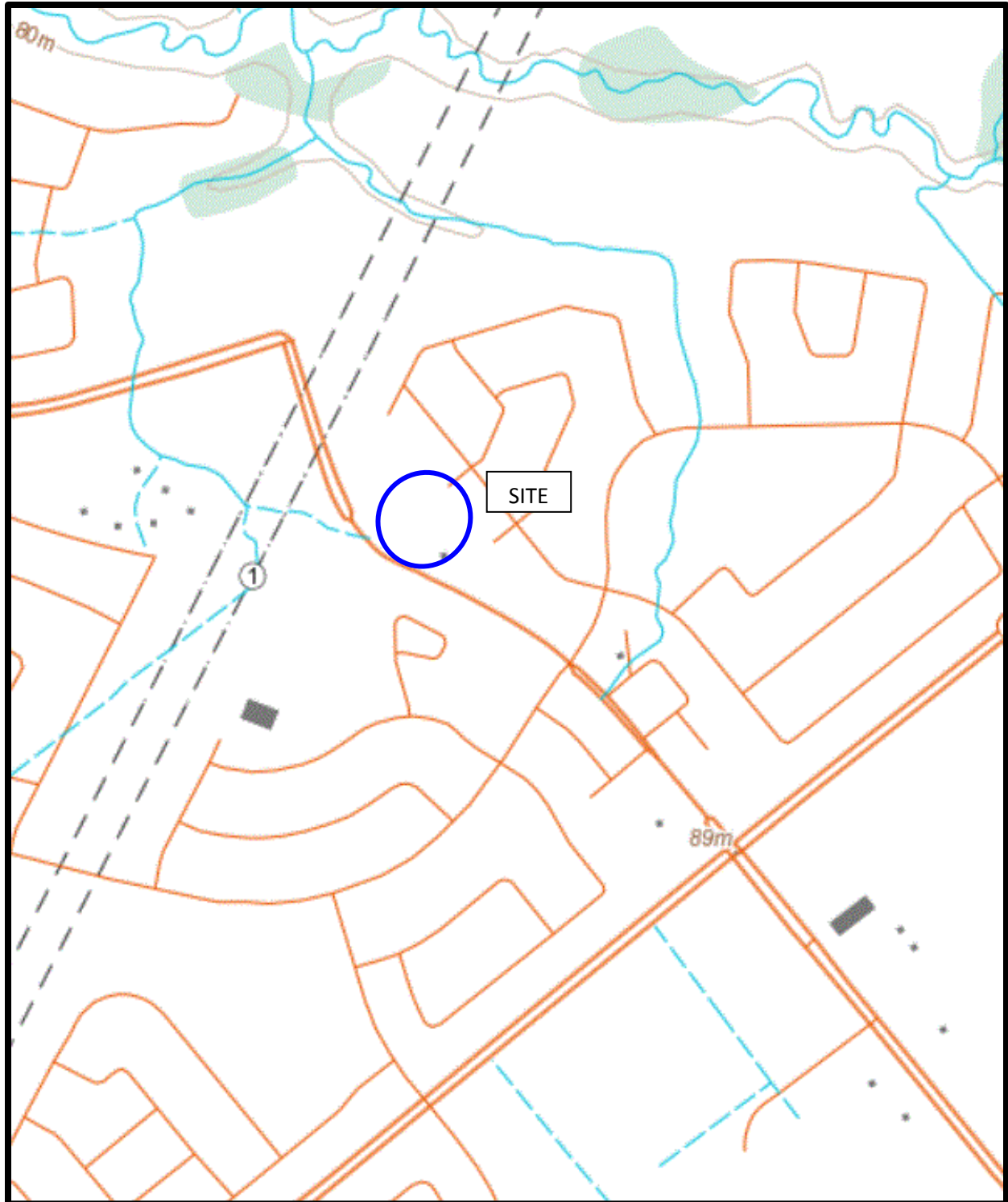
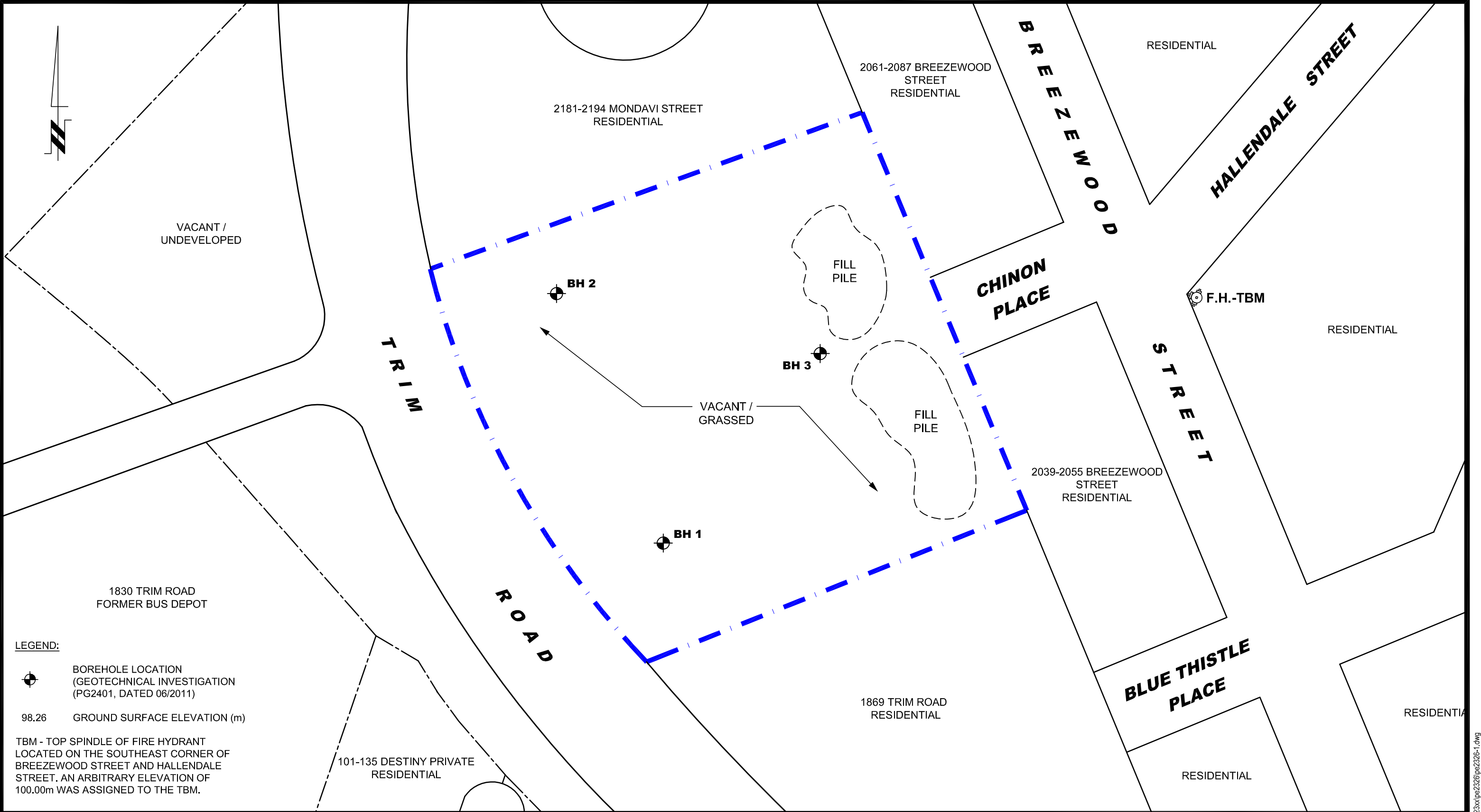



FIGURE 2  
TOPOGRAPHIC MAP



LEGEND:

-  BOREHOLE LOCATION  
(GEOTECHNICAL INVESTIGATION  
(PG2401, DATED 06/2011))
- 98.26 GROUND SURFACE ELEVATION (m)

TBM - TOP SPINDLE OF FIRE HYDRANT  
LOCATED ON THE SOUTHEAST CORNER OF  
BREEZEWOOD STREET AND HALLENDALE  
STREET. AN ARBITRARY ELEVATION OF  
100.00m WAS ASSIGNED TO THE TBM.

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0			
NO.	REVISIONS	DATE	INITIAL

ASHCROFT HOMES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT  
CHINON PLACE AT BREEZEWOOD STREET

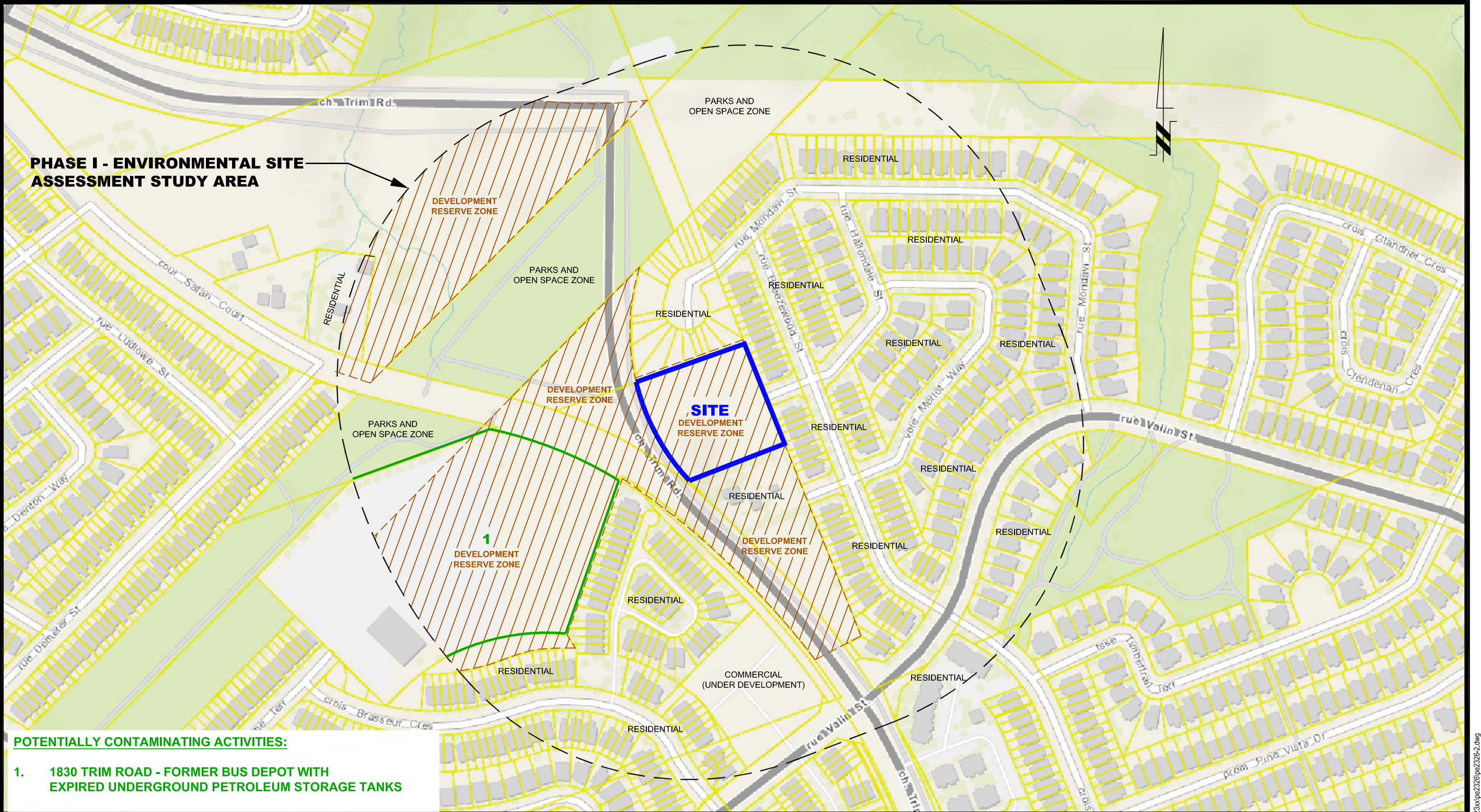
OTTAWA,  
Title:

ONTARIO

SITE PLAN

Scale:	1:750	Date:	12/2017
Drawn by:	RCG	Report No.:	PE2326-2
Checked by:	GVL	Dwg. No.:	PE2326-1
Approved by:	MSD	Revision No.:	0





- POTENTIALLY CONTAMINATING ACTIVITIES:**
1. 1830 TRIM ROAD - FORMER BUS DEPOT WITH EXPIRED UNDERGROUND PETROLEUM STORAGE TANKS

<div><div>patersongroup</div><div>consulting engineers</div><div>154 Colonnade Road South Ottawa, Ontario K2E 7J5 Tel: (613) 226-7381 Fax: (613) 226-6344</div></div>					ASHCROFT HOMES  PHASE I - ENVIRONMENTAL SITE ASSESSMENT MONDAVI STREET AT BREEZEWOOD STREET  OTTAWA, ONTARIO	Scale:	1:3000	Date:	12/2017
						Drawn by:	RCG	Report No.:	PE2326-2
						Checked by:	GVL	Dwg. No.:	PE2326-2
	0					Approved by:	MSD	Revision No.:	
	NO.	REVISIONS	DATE	INITIAL		SURROUNDING LAND USE PLAN			



# **APPENDIX 1**

**PLAN OF SURVEY**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



SCHEDULE				
PART	DESCRIPTION	PIN	NAME OF MOST RECENT TRANSFEREE	REMARKS
1	PART OF LOT A CONCESSION 9	479.30 m		
2	PART OF LOT A CONCESSION 9	0.2192 ha		
3	PART OF LOT A CONCESSION 9 AND PART OF ROAD ALLOWANCE BETWEEN CONCESSIONS 8 AND 9	ALL OF PIN 14526-0093	CAROLE JOANISSE	0.8621 ha

I HEREBY CERTIFY THAT THIS PLAN IS TRUE AND CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.

DATE February 12, 2003

L.A. Tischart  
L.A. TISCHART, O.L.S.  
ON BEHALF OF THE CITY OF OTTAWA

PLAN 4R-18344  
RECEIVED AND DEPOSITED  
DATE Feb 12, 2003

OTAWA TISCHART  
CERTIFICATE OFFICE  
LAND REGISTRY FOR THE LAND TITLES  
DIVISION OF OTTAWA-CARLETON No. 4

PLAN OF SURVEY OF  
PART OF LOT A CONCESSION 9  
AND  
PART OF ROAD ALLOWANCE  
BETWEEN CONCESSIONS 8 AND 9  
GEOGRAPHIC TOWNSHIP OF CUMBERLAND  
CITY OF OTTAWA  
FORMERLY COUNTY OF RUSSELL

SCALE - 1:500  
(METRES)

SURVEYED BY STEPHEN A. TISCHART, O.L.S.

METRIC  
DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND  
CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

#### NOTES AND LEGEND

BEARINGS SHOWN HEREON ARE GRID BEARINGS AND ARE DERIVED FROM THE COMPUTED BEARINGS OF 1450-40-30W BETWEEN  
LOCAL NO. 87 RLS 038 54.254 E 385 207.073  
AND LOCAL NO. 88 RLS 037 41.037 E 386 888.455  
AND ARE REFERRED TO THE CENTRAL MERIDIAN OF ZONE 9  
OF THE OTTAWA CO-ORDINATE SYSTEM, LONGITUDE 76-30 WEST,  
(2°W.T.M. - NAD83)

- DENOTES SURVEY MONUMENT FOUND
- DENOTES SURVEY MONUMENT PLANTED
- SU DENOTES SOURCE UNKNOWN
- WIT DENOTES WITNESS
- SB DENOTES STANDARD IRON BAR
- SSB DENOTES SHORT STANDARD IRON BAR
- IB DENOTES IRON BAR
- RB DENOTES ROUND IRON BAR
- CP DENOTES CONCRETE PIN
- CO DENOTES CUT CROSS
- RB DENOTES ROOF BAR
- P1 DENOTES PLAN 508-4052
- P2 DENOTES PLAN 40-103

NOTE: FOR COMPARISON PURPOSES A  
ROTATION OF + 0° 47' 00" WEST  
HAS BEEN APPLIED TO ALL BEARINGS  
SHOWN ON PLAN 508-4052 TO  
ACCOUNT FOR DIFFERENT BEARING  
REFERENCE.

#### SURVEYOR'S CERTIFICATE

I CERTIFY THAT:  
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT,  
THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER  
THEM.

2. THE SURVEY WAS COMPLETED ON THE 10 DAY OF FEBRUARY, 2003.

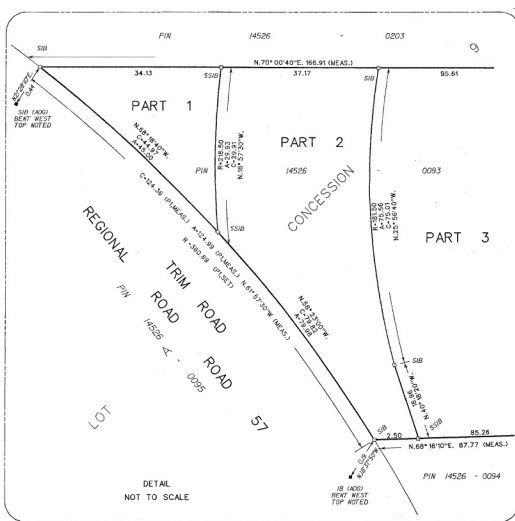
DATE February 12, 2003

STEPHEN A. TISCHART  
OTAWA LAND SURVEYOR

OTAWA CORPORATION SERVICES  
DEPARTMENT  
SURVEYS AND MAPPING

PROJECT: 1. TRIM RD.  
CALCD BY: J.A. MEASER  
CADD BY: J.A. MEASER  
CHECKED BY: S. TISCHART  
PEN TABLE: 1

FIELD WORK BY: J. O. FOSTER  
COMPUTER NO. 5770  
MIS NO. 5770  
DRAWING NO. 9775  
DATE: 1





AERIAL PHOTOGRAPH  
1945

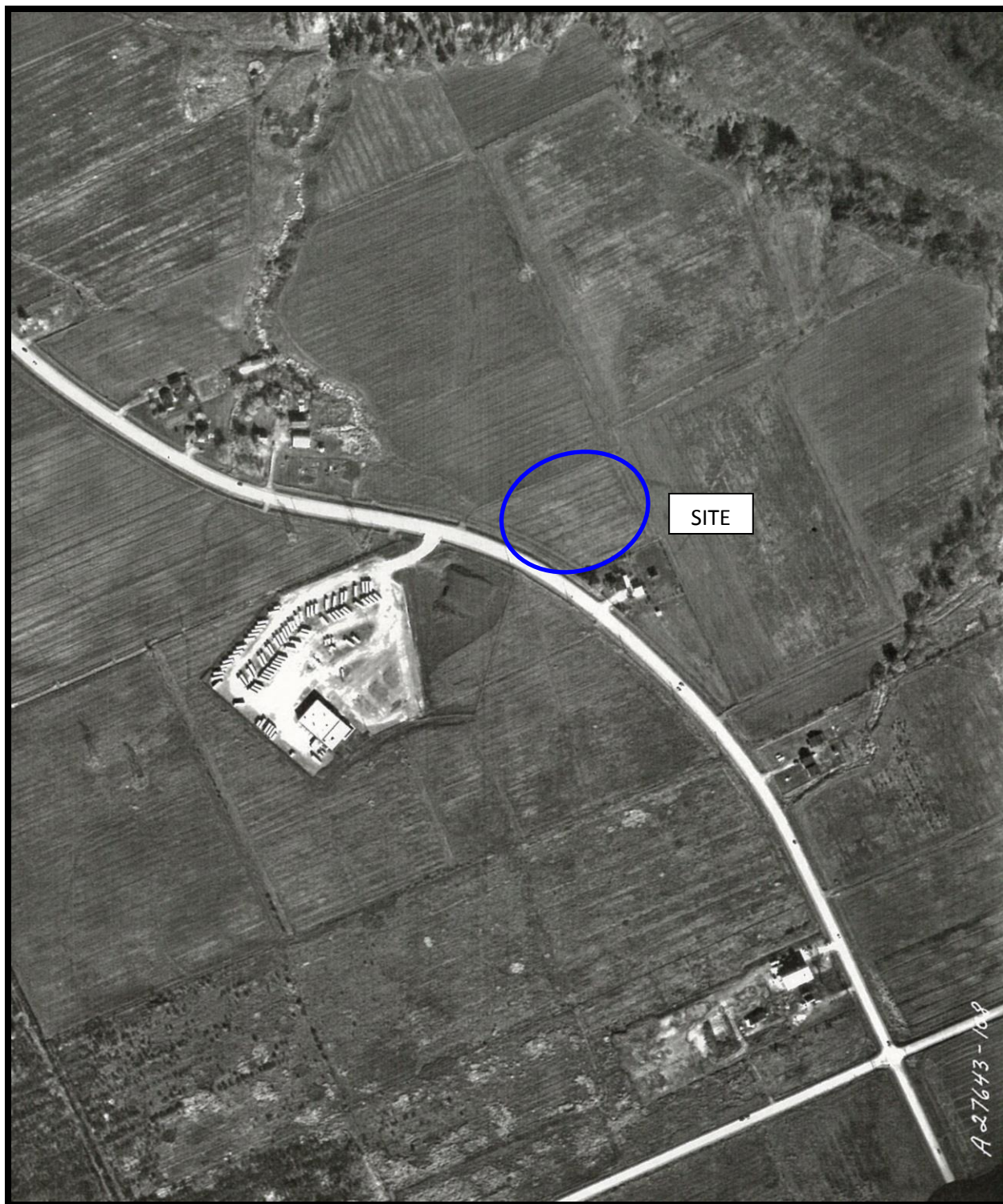


AERIAL PHOTOGRAPH  
1973



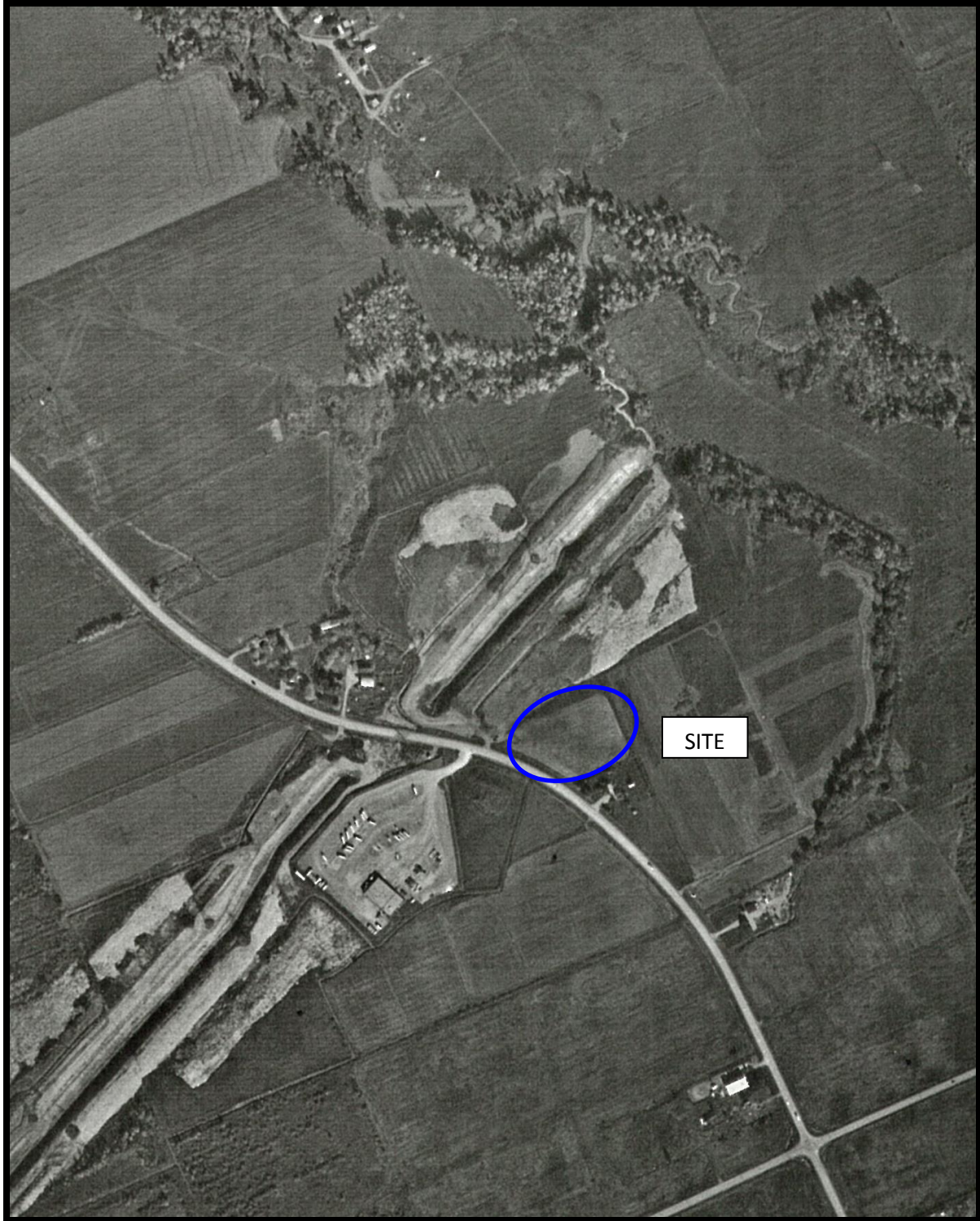


AERIAL PHOTOGRAPH  
1985



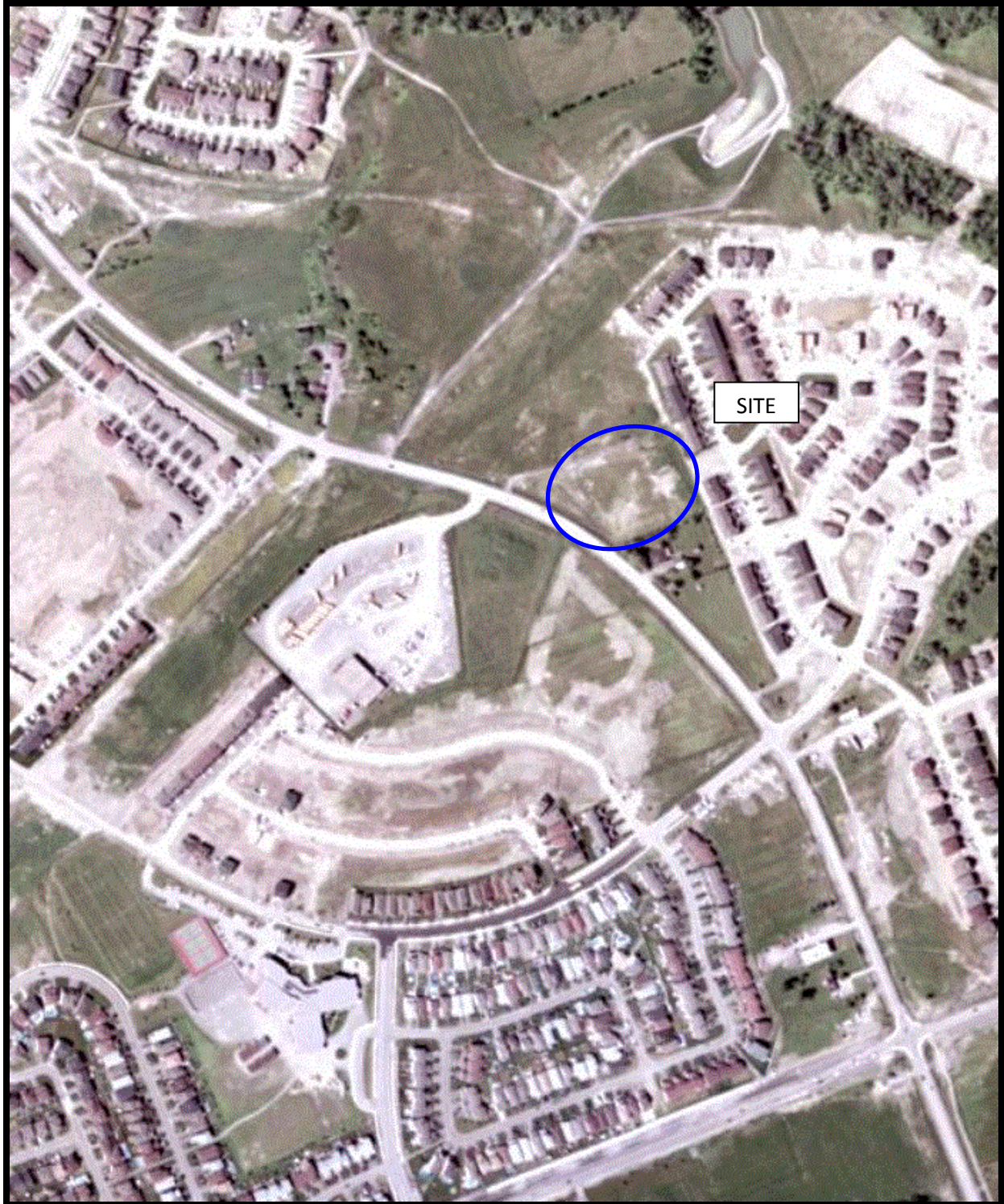
AERIAL PHOTOGRAPH  
1990





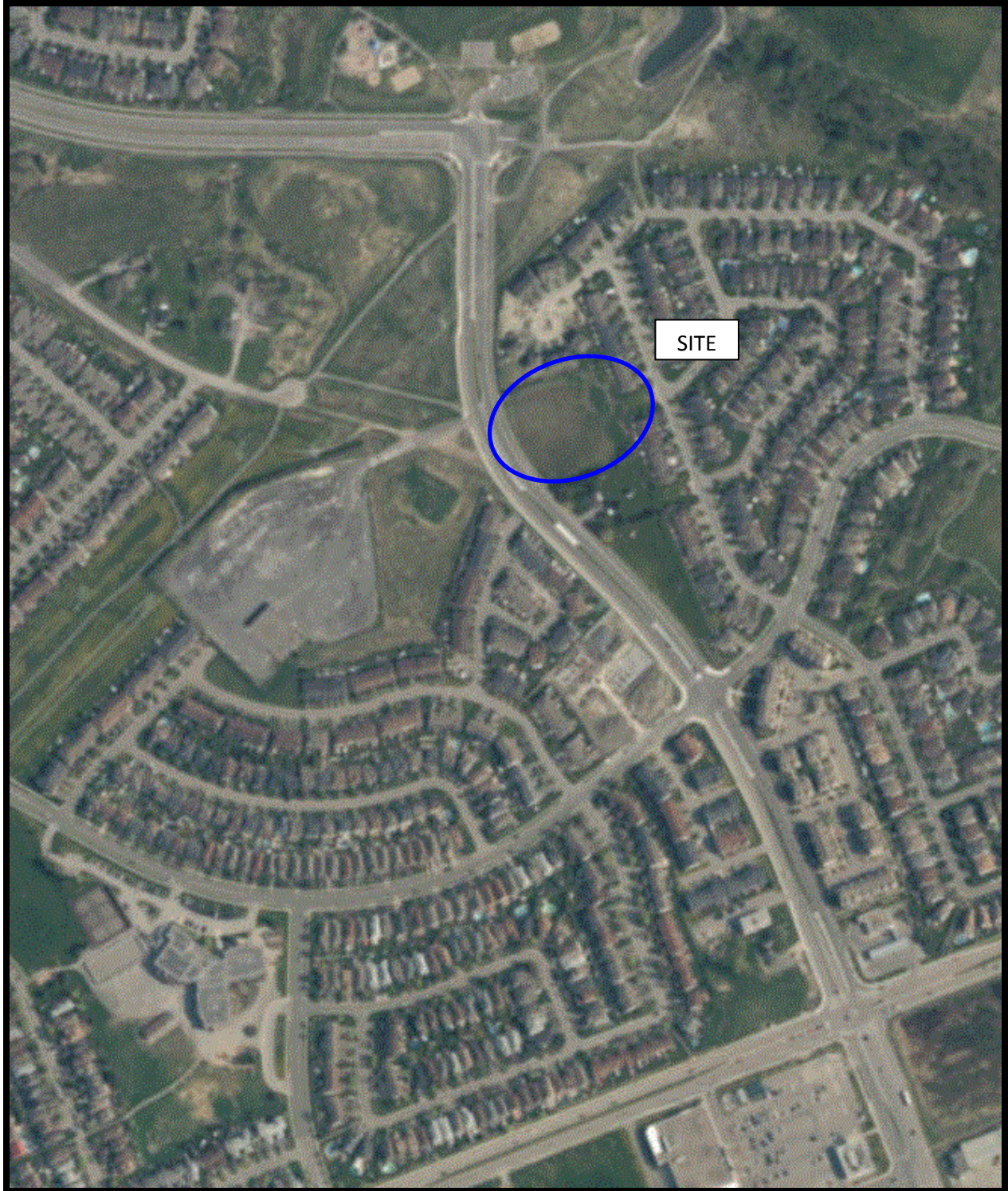
AERIAL PHOTOGRAPH  
1994





AERIAL PHOTOGRAPH  
2005





AERIAL PHOTOGRAPH  
2017



## Site Photographs

PE2326

Part of Lot A, Concession 9, Geographic Township of Cumberland

Nov 30, 2017



Photograph 1: View of the subject site, facing east. Trim Road is present in the foreground. The subject site is currently vacant grassed land.



Photograph 2: View of the subject site, facing northeast. The subject site is flanked to the north and east by newer residential properties.

## Site Photographs

PE2326

Part of Lot A, Concession 9, Geographic Township of Cumberland

Nov 30, 2017



Photograph 3: View of the subject site, facing southwest. The east portion of the subject site was observed to have some tree clippings and minor amount of non-hazardous solid waste present.



Photograph 4: View of the subject site, facing northwest. The east portion of the site was also noted to have two (2) fill piles present.

# **APPENDIX 2**

**MOECC FREEDOM OF INFORMATION SEARCH REQUEST**

**CITY OF OTTAWA HLUI REQUEST**

**TSSA CORRESPONDENCE**

**MOECC WATER WELL RECORDS**



## Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Greg van Loenen Paterson Group Inc. 154 Colonnade Road Ottawa, ON K2E 7J5 Email address: gvanloenen@patersongroup.ca			FOI Request No.	Date Request Received
			Fee Paid <input type="checkbox"/> ACCT <input type="checkbox"/> CHQ <input type="checkbox"/> VISA/MC <input type="checkbox"/> CASH	
Telephone/Fax Nos. Tel. 613-226-7381 Fax 613-226-6344	Your Project/Reference No. PE2326	Signature/Print /Name of Requester Greg van Loenen	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township <b>(Municipal address essential for cities, towns or regions)</b> Part of Lot A, Concession 9, Geographic Township of Cumberland				
Present Property Owner(s) and Date(s) of Ownership Ashcroft Homes				
Previous Property Owner(s) and Date(s) of Ownership				
Present/Previous Tenant(s), (if applicable)				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			all	
Orders			all	
Spills			all	
Investigations/prosecutions ➤ Owner <b>AND</b> tenant information must be provided			all	
Waste Generator number/classes			all	
Certificates of Approval ➤ Proponent information must be provided				
1985 and prior records are searched manually. <b>Search fees in excess of \$300.00</b> could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). <b>If supporting documents are also required, mark SD box</b> and specify type e.g. maps, plans, reports, etc.				
	SD	Specify Year(s) Requested		
air - emissions		1986-present		
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)		1986-present		
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations		1986-present		
waste water - industrial discharges		1986-present		
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites		1986-present		
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste		1986-present		
pesticides - licenses		1986-present		

A \$5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is \$30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of \$30.00.

### Office Use Only

Application Number: _____	Ward Number: _____	Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____	Fee Received: \$	<input type="text"/>



# Historic Land Use Inventory

## Application Form

### Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

### Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning Infrastructure and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

### Background Information

**\*Site Address or Location:**

*\* Mandatory Field*

### Applicant/Agent Information:

Name:	<input type="text"/>		
Mailing Address:	<input type="text"/>		
Telephone:	<input type="text"/>	Email Address:	<input type="text"/>

### Registered Property Owner Information:

☐ Same as above

Name:	<input type="text"/>		
Mailing Address:	<input type="text"/>		
Telephone:	<input type="text"/>	Email Address:	<input type="text"/>

### Site Details

Legal Description  
and PIN:

What is the land  
currently used for?

Lot frontage:

m

Lot depth:

m

Lot area:

m<sup>2</sup>

**OR**

Lot area: (irregular lot)

m<sup>2</sup>

Does the site have Full Municipal Services:

☐ Yes

☐ No

### Required Fees

Please don't hesitate to visit [the Historic Land Use Inventory website](#) more information. Fees must be paid in full at the time of application submission.

Planning Fee

### Submittal Requirements

The following are required to be submitted with this application:

- 1. Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
- 2. Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
- 3.** A site plan or key plan of the property, its location and particular features.
- 4.** Any significant dates or time frames that you would like researched.

## **Disclaimer**

### **For use with HLUI Database**

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to \_\_\_\_\_ ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI 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.
2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
4. Copyright is reserved to the City.
5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: \_\_\_\_\_

Dated (dd/mm/yyyy): \_\_\_\_\_

Per: \_\_\_\_\_  
(Please print name)

Title: \_\_\_\_\_

Company: \_\_\_\_\_

## Greg van Loenen

---

**From:** Ruchi Chohan <rchohan@tssa.org> on behalf of Public Information Services <publicinformationsservices@tssa.org>  
**Sent:** December-01-17 2:00 PM  
**To:** Greg van Loenen  
**Subject:** RE: Records Search request for 1869 Trim Road, Ottawa

Hello Greg,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

1830 Trim Rd, Orleans has record of 2 expired underground fuel tanks

For a more detailed report including underground fuel storage tank details and copies of all inspection reports, please submit your request in writing to Public Information Services via e-mail ([publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a cheque made payable to TSSA.

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

Thank you and have a good day!

Ruchi

---

**From:** Greg van Loenen [mailto:[GvanLoenen@Patersongroup.ca](mailto:GvanLoenen@Patersongroup.ca)]  
**Sent:** November 29, 2017 12:04 PM  
**To:** Public Information Services <[publicinformationsservices@tssa.org](mailto:publicinformationsservices@tssa.org)>  
**Subject:** Records Search request for 1869 Trim Road, Ottawa

Good afternoon,

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

1825 Trim Road

1830 Trim Road

1869 Trim Road



200 Prive de la Sittelle

226 Prive de la Sittelle

Thank you,

Regards,

Greg van Loenen, B.Eng.  
Environmental Consultant

Paterson Group Inc.  
T: 613-226-7381  
C: 613-978-1181

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

## Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

### Well Owner's Information and Location of Well Information

Ministry Use Only												
MUN	1	5	5	1	CON	4	0	9	0	9	LOT	5

Ottawa Carleton				Cumberland				1		9	
RR#/Street Number/Name 1970 Trim Rd				City/Town/Village Orleans				Site/Compartment/Block/Tract etc.			
GPS Reading		NAD	Zone	Easting	Northing	Unit Make/Model		Mode of Operation:		<input type="checkbox"/> Undifferentiated	<input checked="" type="checkbox"/> Averaged
		83	18	464357	5035991	Magellan				<input type="checkbox"/> Differentiated, specify	
Loss of Core/buried and Bedrock Materials (see instructions)											

## Log of Overburden and Bedrock Materials (see instructions)

[illegible]

Hole Diameter			Construction Record			Test of Well Yield									
Depth	Metres	Diameter	Inside diam centimetres	Material	Wall thickness centimetres	Metres		Pumping test method	Draw Down		Recovery				
From	To	Centimetres				From	To	Time min	Water Level Metres	Time min	Water Level Metres				
0	31.1	15.55						Sub pump							
			Casing					Pump intake set at - (metres)	Static Level						
			15.88	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	-48	0	30.8	Pumping rate - (litres/min)	1	7.73	1	7.94			
				<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete											
				<input type="checkbox"/> Galvanized											
Water Record				<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass				Duration of pumping	2	7.94	2	7.70			
Water found at	Metres	Kind of Water		<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				1 hrs + _____ min							
31.1				<input type="checkbox"/> Galvanized				Final water level end of pumping	3		3				
<input type="checkbox"/> Gas	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur		<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass				7.9 metres							
<input type="checkbox"/> Other: NOT TESTED	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals		<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				Recommended pump type.	4		4				
<input type="checkbox"/> m	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur		<input type="checkbox"/> Galvanized				<input type="checkbox"/> Shallow <input checked="" type="checkbox"/> Deep							
<input type="checkbox"/> Gas	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals						Recommended pump depth	5		5				
<input type="checkbox"/> Other:								24.4 metres							
<input type="checkbox"/> m	<input type="checkbox"/> Fresh	<input type="checkbox"/> Sulphur	Screen					Recommended pump rate.	10		10				
<input type="checkbox"/> Gas	<input type="checkbox"/> Salty	<input type="checkbox"/> Minerals	Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	Slot No.			(litres/min)	15		15				
<input type="checkbox"/> Other:				<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				If flowing give rate -	20		20				
After test of well yield, water was				<input type="checkbox"/> Galvanized				(litres/min)	25		25				
<input checked="" type="checkbox"/> Clear and sediment free			No Casing or Screen												
<input type="checkbox"/> Other, specify								If pumping discontin- ued, give reason.	30		30				
Chlorinated	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Open hole			30.2	31.1		40		40				
									50		50				
									60	7.94	60	7.70			

Plugging and Sealing Record				<input checked="" type="checkbox"/> Annular space	<input type="checkbox"/> Abandonment
Depth set at	Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed		
From	To		(cubic metres)		
30.2	0	bentonite slurry	0.7945		

Method of Construction			
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input checked="" type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	

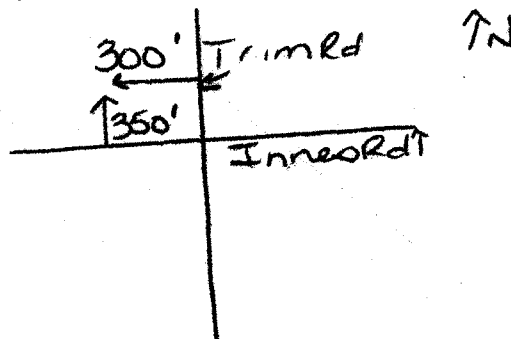
<b>Water Use</b>				
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other	
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used		
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning		

Final Status of Well			
<input checked="" type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information		Well Contractor's Licence No.
Name of Well Contractor	A. Rod Drilling Co Ltd	1119
Business Address (street name, number, city etc.)	22#1 Richmond, Ont	
Name of Well Technician (last name, first name)	Dwight Shannon	12122
Signature of Technician/Contractor	[Signature]	Date Submitted
X		2004 06 28

### Location of Well

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.



Audit No. <b>Z 14538</b>	Date Well Completed <b>2004 06/18</b>
Was the well owner's information package delivered? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Delivered <b>2004 06/18</b>

Ministry Use Only			
Data Source		Contractor <b>1119</b>	
Date Received	YYYY	MM	DD
<b>JUL 08 2004</b>		Date of Inspection	YYYY MM DD
Remarks		Well Record Number	
		<b>1534760</b>	



# WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT <b>Carleton Place</b>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <b>Cumberland</b>	CON. BLOCK, TRACT, SURVEY, ETC. <b>9</b>	LOT 25-27 <b>BA</b>
DATE COMPLETED DAY <b>25</b> MO <b>08</b> YR <b>76</b>		DATE RECEIVED DAY <b>18</b> MO <b>03</b> YR <b>77</b>	
ELEVATION <b>035500</b>		ELEVATION <b>0285</b>	

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
yellow	clay			0	18
blue	clay			18	98
grey	gravel			98	105
grey	limestone			105	110



31	0018505	0098305	0105211	0110215
32				

WATER RECORD	
WATER FOUND FEET	KIND OF WATER
0110	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

CASING & OPEN HOLE RECORD			
INSIDE DIAMETER INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET
6 1/2	1 <input checked="" type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE	188	0 to 106

SCREEN	SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

PLUGGING & SEALING RECORD	
DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILEY	0040 GPM	01 HOURS 00 MINS
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING
015 FEET	030 FEET	15 MINUTES 020 FEET 30 MINUTES 015 FEET 45 MINUTES 015 FEET 60 MINUTES 015 FEET

FINAL STATUS OF WELL	1 <input checked="" type="checkbox"/> WATER SUPPLY 2 <input type="checkbox"/> OBSERVATION WELL 3 <input type="checkbox"/> TEST HOLE 4 <input type="checkbox"/> RECHARGE WELL
WATER USE	1 <input checked="" type="checkbox"/> DOMESTIC 2 <input type="checkbox"/> STOCK 3 <input type="checkbox"/> IRRIGATION 4 <input type="checkbox"/> INDUSTRIAL 5 <input type="checkbox"/> COMMERCIAL 6 <input type="checkbox"/> MUNICIPAL 7 <input type="checkbox"/> PUBLIC SUPPLY 8 <input type="checkbox"/> COOLING OR AIR CONDITIONING 9 <input type="checkbox"/> NOT USED
METHOD OF DRILLING	1 <input type="checkbox"/> CABLE TOOL 2 <input type="checkbox"/> ROTARY (CONVENTIONAL) 3 <input type="checkbox"/> ROTARY (REVERSE) 4 <input checked="" type="checkbox"/> ROTARY (AIR) 5 <input type="checkbox"/> AIR PERCUSSION 6 <input type="checkbox"/> BORING 7 <input type="checkbox"/> DIAMOND 8 <input type="checkbox"/> JETTING 9 <input type="checkbox"/> DRIVING

LOCATION OF WELL
IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.
DRILLERS REMARKS:

NAME OF WELL CONTRACTOR <b>G. Charbonneau &amp; Son Drilling Ltd</b>	LICENCE NUMBER <b>1504</b>
ADDRESS <b>R.R. 2, Box 194, Orleans, Ont. K1C 1T1</b>	
NAME OF DRILLER OR BORER <b>L. Bourgeois</b>	LICENCE NUMBER
SIGNATURE OF CONTRACTOR 	SUBMISSION DATE DAY <b>25</b> MO <b>8</b> YR <b>76</b>

DATA SOURCE <b>1</b>	CONTRACTOR <b>1504</b>	DATE RECEIVED <b>18 03 77</b>
DATE OF INSPECTION <b>July 13/77</b>	INSPECTOR <b>75</b>	
REMARKS:		
		P 75
		WI

Form 5  
15M-58-4149

# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

Archaeological  
Services

## POSITION

Associate and Supervisor of the Environmental Division  
Senior Environmental/Geotechnical Engineer

## EDUCATION

Queen's University, B.A.Sc.Eng, 1991  
Geotechnical / Geological Engineering

## MEMBERSHIPS

Ottawa Geotechnical Group  
Professional Engineers of Ontario

## EXPERIENCE

*1991 to Present*

### **Paterson Group Inc.**

Associate and Senior Environmental/Geotechnical Engineer  
Environmental and Geotechnical Division  
Supervisor of the Environmental Division

## SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island  
Agricultural Supply Facilities - Eastern Ontario  
Laboratory Facility – Edmonton (Alberta)  
Ottawa International Airport - Contaminant Migration Study - Ottawa  
Richmond Road Reconstruction - Ottawa  
Billings Hurdman Interconnect - Ottawa  
Bank Street Reconstruction - Ottawa  
Environmental Review – Various Laboratories across Canada - CFIA  
Dwyer Hill Training Centre – Ottawa  
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa  
Remediation Program - Block D Lands – Kingston  
Investigation of former landfill sites – City of Ottawa  
Record of Site Condition for Railway Lands – North Bay  
Commercial Properties – Guelph and Brampton  
Brownfields Remediation – Alcan Site - Kingston  
Montreal Road Reconstruction - Ottawa  
Appleford Street Residential Development - Ottawa  
Remediation Program - Ottawa Train Yards  
Remediation Program - Bayshore and Heron Gate  
Gladstone Avenue Reconstruction – Ottawa  
Somerset Avenue West Reconstruction - Ottawa

Geotechnical  
Engineering

Environmental  
Engineering

Hydrogeology

Geological  
Engineering

Materials Testing

Building Science

Archaeological  
Services

## POSITION

Environmental Consultant

## EDUCATION

Carleton University, B.Eng., 2015  
Environmental Engineering

St. Lawrence College, 2008  
Environmental Technician

## EXPERIENCE

*2016 to Present*

### **Paterson Group Inc.**

Environmental and Geotechnical Division  
Environmental Consultant

*2015 to 2016*

### **Kanellos Consulting Inc.**

Environmental Consultant

*Summers 2013 & 2014*

### **GFL Environmental Inc.**

Environmental Technician

*2008 to 2011, summer 2012*

### **Petroleum Enviro Services (Div. of ASM Corrosion Control)**

Environmental Consultant

## SELECT LIST OF PROJECTS

Nortex Industrial Site - Soil and Groundwater Remediation - Kingston, ON  
Contaminated Soil and Groundwater Sampling - Various sites - Eastern ON  
Designated Substance Surveys and Reports - Various sites - Eastern ON  
Mould Sampling, Assessments and Reports - Various sites - Eastern ON  
Surcharge and Settlement Surveys - Ottawa, ON  
Tank Site Remediation Program - Various sites - Alberta  
Tank Installation Drawings (PTMAA) - Various sites - Alberta