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## **Phase I Environmental Site Assessment**

Vacant Land  
Richardson Ridge Development  
Phase 4  
Ottawa, Ontario

**Prepared For**

Regional Group of Companies

### **Paterson Group Inc.**

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**January 15, 2016**

Report: PE3704-1

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## **EXECUTIVE SUMMARY**

### **Assessment**

Paterson Group was retained by Regional Group of Companies to conduct a Phase I Environmental Site Assessment (ESA) for Phase 4 of the Richardson Ridge Development, 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.

According to the historical research, the subject site has always been vacant. The southwest portion of the subject site was used for agricultural purposes until 2008. A provincially significant wetland (Kizel Drain Wetland Complex) is located adjacent to the south of the subject site.

Following the historical research, a site inspection was conducted of the subject site and Phase I ESA study area. The subject land is currently vacant and covered with brush and mature trees. No potentially contaminating activities (PCAs) were identified within the Phase I – ESA study area, as such, there are no areas of potential environmental concern (APECs).

### **Conclusion**

The results of the historical research, personal interviews, and the site inspection did not identify any areas of potential environmental concern with respect to the subject site. **In our opinion, a Phase II Environmental Site Assessment is not required for the property.**

## **1.0 INTRODUCTION**

At the request of Regional Group of Companies, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I – ESA) for the vacant property (Phase 4), in the City of Ottawa, Ontario. The purpose of this Phase I – ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject property.

Paterson was engaged to conduct this Phase I – ESA by Mr. Steve Cunliffe, of Regional Group of Companies, whose office is located at 1737 Woodward Drive, Ottawa, Ontario. Mr. Cunliffe can be reached by telephone at (613) 230-2100.

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

## 2.0 PHASE I PROPERTY INFORMATION

Address:	Part of 467 Terry Fox Drive, City of Ottawa, Ontario
Legal Description:	Parts of Lots 7 and 8, Concession 1, Geographic Township of March, City of Ottawa.
Property Identification Number:	04524-0069
Location:	The subject site is located on the east side of Terry Fox Drive, north of the Huntsville Drive intersection, in the City of Ottawa, Ontario. The subject site is shown on Figure 1 - Key Plan following the body of this report.
Latitude and Longitude:	45° 19' 24" N, 75° 56' 46" W.
<b>Site Description:</b>	
Configuration:	Irregular.
Zoning:	EP – Environmental Protection Zone (Northeast). DR – Development Reserve Zone (Southwest)
Current Use:	Vacant.
Services:	The subject site is located in a municipally serviced area.

### **3.0 SCOPE OF INVESTIGATION**

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

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

## **4.0 RECORDS REVIEW**

### **4.1 General**

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

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

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

According to the aerial photographs and documents reviewed the subject site was has always been vacant. The southwest portion of the subject site was used for agricultural purposes until 2008.

#### **Fire Insurance Plans**

Fire Insurance Plans (FIPs) are not available for the area of the subject site.

#### **City of Ottawa Street Directories**

City directories at the National Archives were reviewed in approximate 10 year intervals from 1990 to 2011 as part of the Phase I ESA. City directories do not cover the study area.

#### **Chain of Title**

Paterson requested a title search for the subject property from Read Abstracts Limited. A title search was conducted for the PIN constituting the subject property. At the time of issuance of this report, the chain of title had not been received. A copy will be forwarded to the client, should it contain any pertinent information.

#### **Previous Engineering Reports**

A geotechnical investigation, which included digging twelve (12) test pits, drilling three (3) boreholes and several hand auger holes, was conducted in December, 2015. No signs of contamination or deleterious fill were noted in the field observations. Paterson has conducted a number of environmental site assessments and geotechnical investigations in the vicinity of the subject site.

These reports were also reviewed as part of this assessment and they did not identify any areas of potential environmental concern for the subject site.

### **Current Plan of Survey**

A plan of survey, prepared by Annis O'Sullivan Vollebekk Limited (2015), was reviewed as part of this assessment. The plan shows the subject site in its current configuration.

## **4.2 Environmental Source Information**

### **Environment Canada**

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on November 27, 2015. The subject site and adjacent properties were not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

### **PCB Inventory**

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

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

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

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

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



### **MOECC Incident Reports**

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

### **MOECC Waste Management Records**

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

### **MOECC Submissions**

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

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

A search of the MOECC Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. There were no records for the subject site or neighbouring properties within the Phase I study area.

### **MOECC Waste Disposal Site Inventory**

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants and coal tar distillation plants in the Province of Ontario. No active or closed waste disposal sites or any of the other listed sites were identified in the vicinity of the subject site.

## **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 27, 2015. The response from MNR indicated that the Kizel Drain Wetland Complex, a provincially significant wetland, was located adjacent to the south and to the east of the subject site. No other natural features or areas of natural significance were identified within the Phase I study area.

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

The TSSA, Fuels Safety Branch in Toronto was contacted electronically on November 30, 2015 to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. The response from the TSSA indicated that there are no records for the subject site or neighbouring properties. A copy of the TSSA correspondence is included in Appendix 2.

## **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.

## **City of Ottawa Historical Land Use Inventory (HLUI)**

A requisition form was sent to the City of Ottawa on December 10, 2015 to request information from the City’s Historical Land Use Inventory (HLUI) database for the subject property. At the time of issuance of this report, a response had not been received. A copy of the response will be forwarded to the client, should it contain any pertinent information.

## **4.3 Physical Setting Sources**

### **Aerial Photographs**

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

---

1945	The subject site and neighbouring properties are vacant. The southwestern portion of the subject site appears to be used for agricultural purposes. The Carp River is visible further to the west.
1959	No significant changes have been made to the subject site or neighbouring properties.
1963	No significant changes have been made to the subject site or neighbouring properties.
1978	No significant changes have been made to the subject site or neighbouring properties.
1993	No significant changes have been made to the subject site or neighbouring properties.
2002	No significant changes have been made to the subject site or neighbouring properties.
2014	(City of Ottawa website) No significant changes have been made to the subject site. Terry Fox Drive has been built adjacent to the west. A residential development is visible further to the south along Terry Fox Drive.

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

### **Topographic Maps**

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the site slopes downward towards the Carp River to the south. According to the map, the nearest water body is a wetland located to the southeast. 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. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features

associated with the ice sheets.” The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

### **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 migmatic rocks of granitic origin, mafic and ultramafic intrusive rocks (diorite and gabbro). Overburden soils are shown as erosional terraces in the western portion of the site with a drift thickness of 10 to 25 meters. Precambrian bedrock is shown on the eastern portion, with a drift thickness on the order of 0 to 1 meters.

### **Water Well Records**

A search of the MOE’s online water well records database was completed on November 27, 2015, for all drilled wells within 250 m of the subject site. There was one (1) record for the decommissioning of a water well in 2010 located adjacent to the Terry Fox Drive road allowance.

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

The Kizel Drain Wetland Complex, located adjacent to the south, is the closest water body. The wetland complex is a provincially significant wetland. No other areas of natural significance are known to exist within the Phase I study area.

## **5.0 SITE RECONNAISSANCE**

### **5.1 General Requirements**

The site assessment was conducted by Paterson personnel on January 4, 2016. Access was provided to the entire subject site. In addition to the site, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site assessment.

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

#### **Buildings and Structures**

There are currently no buildings on the subject property.

### **Underground Utilities**

Underground service locates were completed for the subject site in November 2015. No underground services were identified on the subject site.

### **Storage Tanks**

No aboveground storage tanks (ASTs) or evidence of underground storage tanks (USTs), or evidence of other fuel or chemical storage was observed on the subject site.

### **Water Source**

Surrounding properties are serviced by the City of Ottawa water system. The proposed development will be serviced by the municipal water system.

### **Unidentified Substances**

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

### **Groundwater Monitoring Wells**

No groundwater monitoring wells were observed at the time of the assessment.

### **Sewage Works**

Surrounding properties are serviced by the City of Ottawa sewer system.

### **Waste Storage and Disposal**

The subject site is vacant and does not currently generate any waste. The waste management practices of the neighbouring properties are not considered to pose a risk to the subject land.

### **Railway Lines**

There are no existing railway lines within the Phase I study area.

### **Ozone Depleting Substances (ODSs)**

No potential sources of ODSs were observed on site during the assessment.

## **Site Features**

The subject land is vacant and covered with brush and mature trees. Drainage consists of infiltration. Bedrock outcrops are visible across the subject site.

## **Potentially Contaminating Activities (PCA)**

The site visit did not identify any Potentially Contaminating Activities at the subject site.

## **Neighbouring Properties**

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

- North      - Vacant, followed by Terry Fox Drive;
- South      - Kizel Drain Wetland Complex, followed by vacant land;
- East        - Vacant, followed by Kizel Drain Wetland Complex;
- West        - Terry Fox Drive, followed by vacant land;

The current use of the neighbouring properties is not considered to pose an environmental concern to the subject site. Current land use in the Phase I study area is illustrated on Drawing: PE3704-2 – Surrounding Land Use Plan in the Figures section of this report, following the text.

## 6.0 REVIEW AND EVALUATION OF INFORMATION

### 6.1 Land Use History

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

Table 1 - Land Use History			
Time Period	Land Use	Potentially Contaminating Activities	Potential Environmental Concerns
1945 (earliest air photo reviewed)-2008	Vacant (Agricultural in Southwest Corner )	None	No
2008-Present	Vacant	None	No

#### Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities were identified within the Phase I study area.

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

As discussed above, there are no PCAs that are considered to be areas of potential environmental concern for the subject property.

#### Contaminants of Potential Concern

No Contaminants of Potential Concern (CPC) were identified, since no APEC's were on the subject site.

### 6.2 Conceptual Site Model

#### Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, drift thickness in the area of the subject site is estimated to be on the order of 10 to 25 m in the southwestern portion of the site and 0 to 1 m in the northeastern portion. Overburden soils are shown as erosional terraces in the southwestern portion of the site and Precambrian bedrock in the northeastern portion.

### **Contaminants of Potential Concern**

As per Section 7.1 of the report, no Contaminants of Potential Concern (CPCs) were identified on the subject site.

### **Existing Buildings and Structures**

There are no buildings currently located on the subject site.

### **Water Bodies**

The Kizel Drain Wetland Complex is located adjacent to the south of the subject site and is the closest water body.

### **Areas of Natural Significance**

No areas of natural significance were identified on the subject site. The Kizel Drain Wetland Complex, located adjacent to the south, is a provincially significant wetland and an area of natural significance.

### **Drinking Water Wells**

Private water wells are not believed to be present within the Phase I study area.

### **Neighbouring Land Use**

Neighbouring land use in the Phase I study area is vacant.

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

As per Section 7.1 of this report, no potentially contaminating activities were identified within the Phase I study area, and as such, there are no areas of potential environmental concern for 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 PCAs within the Phase I study area. This is 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.



## 7.0 CONCLUSIONS

### Conclusion

The results of the historical research, personal interviews, and the site inspection did not identify any potential environmental concerns with respect to the subject site. **In our opinion, a Phase II Environmental Site Assessment is not required for the property.**

## 8.0 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 Regional Group of Companies. Permission and notification from Regional Group of Companies and Paterson will be required to release this report to any other party.

### Paterson Group Inc.



Xavier Redhead, B.Eng.



Mark S. D'Arcy, P.Eng.



### Report Distribution:

- Regional Group of Companies (6 copies)
- Paterson Group (1 copy)

## 9.0 REFERENCES

### **Federal Records**

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

### **Provincial Records**

MOE Freedom of Information and Privacy Office.  
MOE Municipal Coal Gasification Plant Site Inventory, 1991.  
MOE document titled “Waste Disposal Site Inventory in Ontario”.  
MOE Brownfields Environmental Site Registry.  
Office of Technical Standards and Safety Authority, Fuels Safety Branch.  
MNR Areas of Natural Significance.  
MOE 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.  
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.  
The City of Ottawa eMap website.  
City of Ottawa Historical Land Use Inventory (HLUI) Database

### **Local Information Sources**

Plan of Survey, Annis, O’Sullivan, Vollebekk Limited (2015).  
Personal Interviews.

### **Public Information Sources**

Google Earth.  
Google Maps/Street View.

# **FIGURES**

**FIGURE 1 – KEY PLAN**

**FIGURE 2 – TOPOGRAPHIC MAP**

**DRAWING PE3704-1 – SITE PLAN**

**DRAWING PE3704-2 – SURROUNDING LAND USE PLAN**

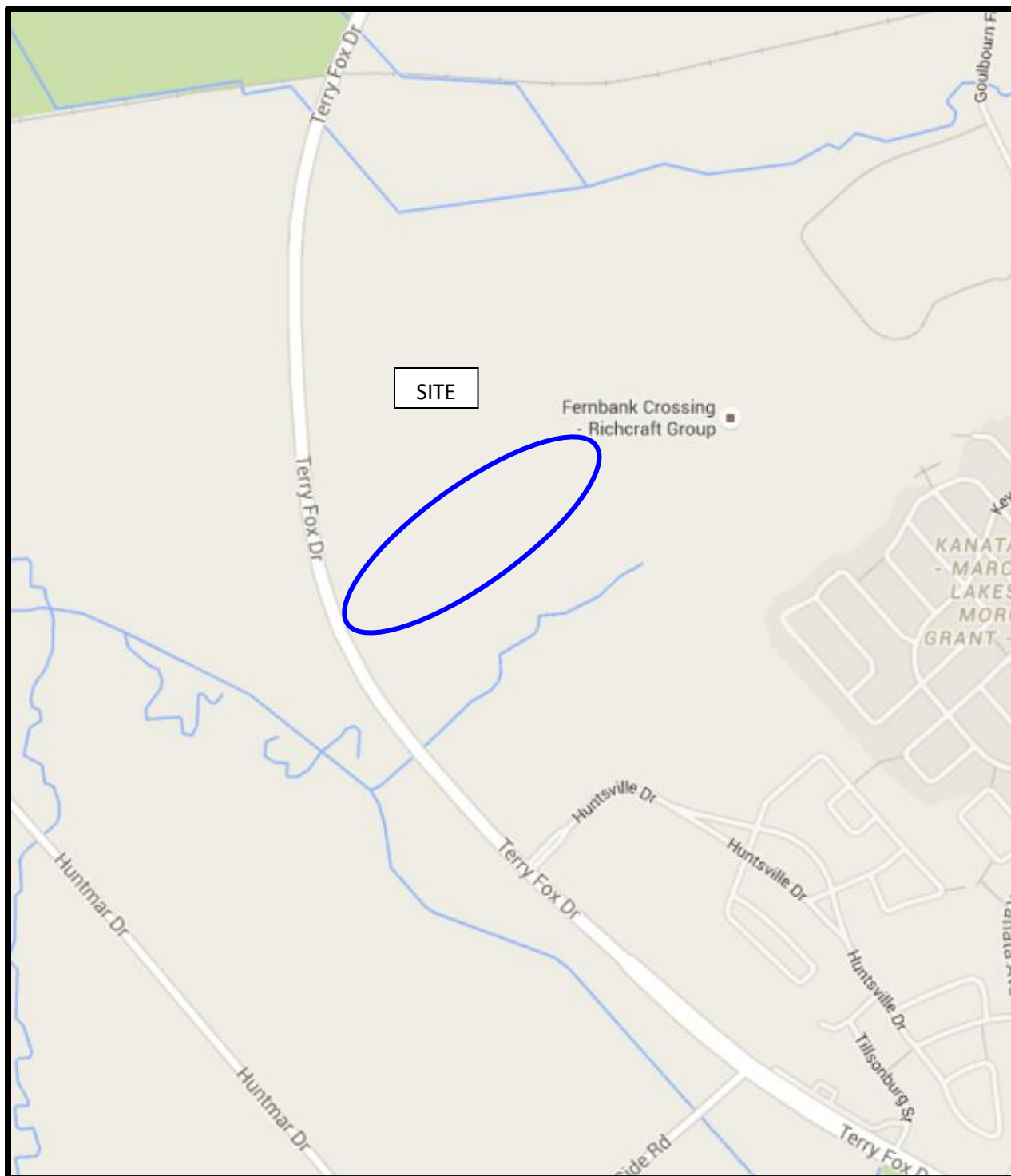


FIGURE 1  
KEY PLAN

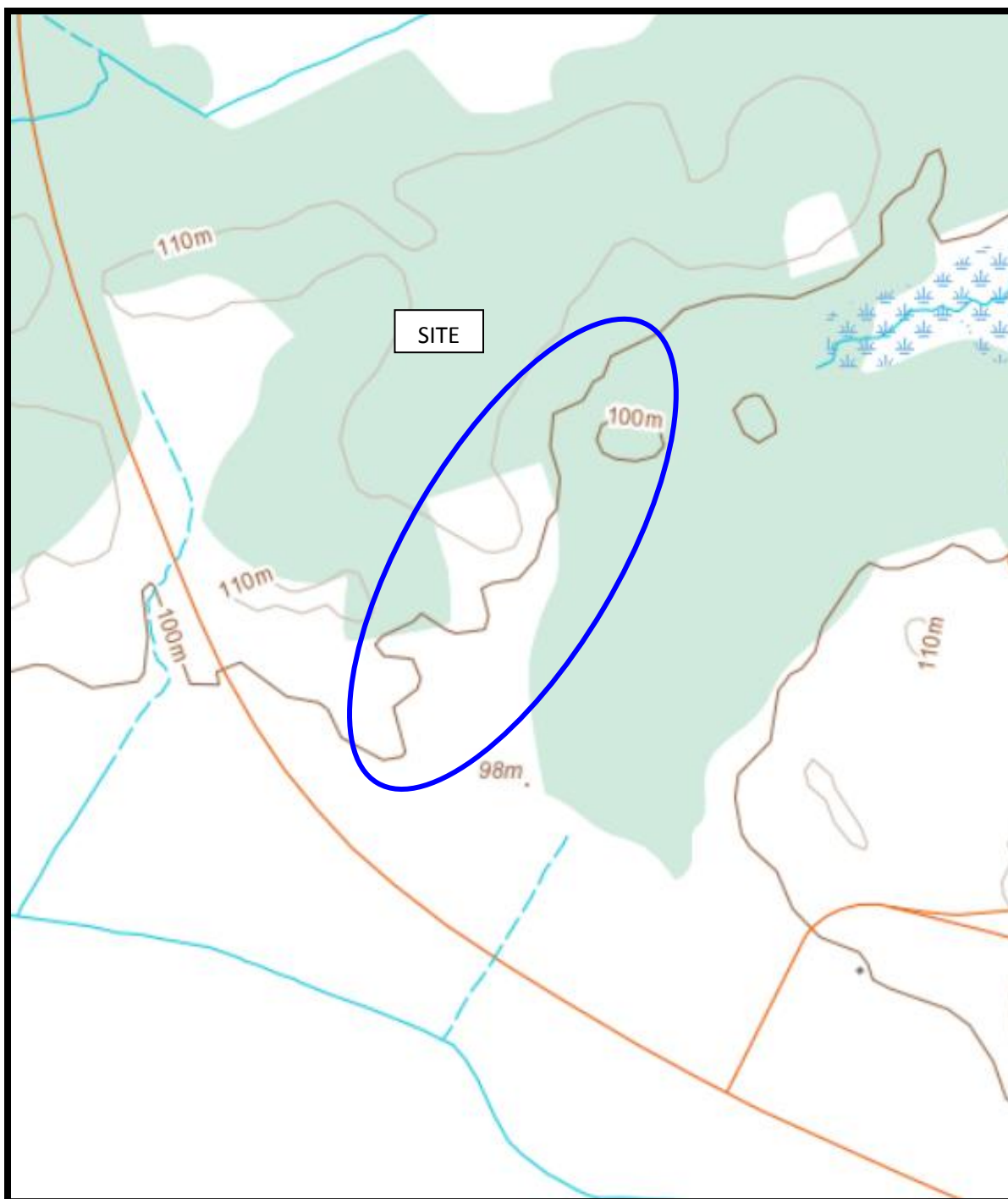
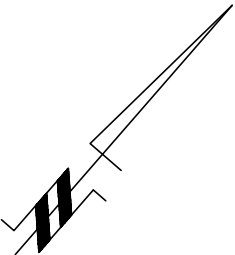
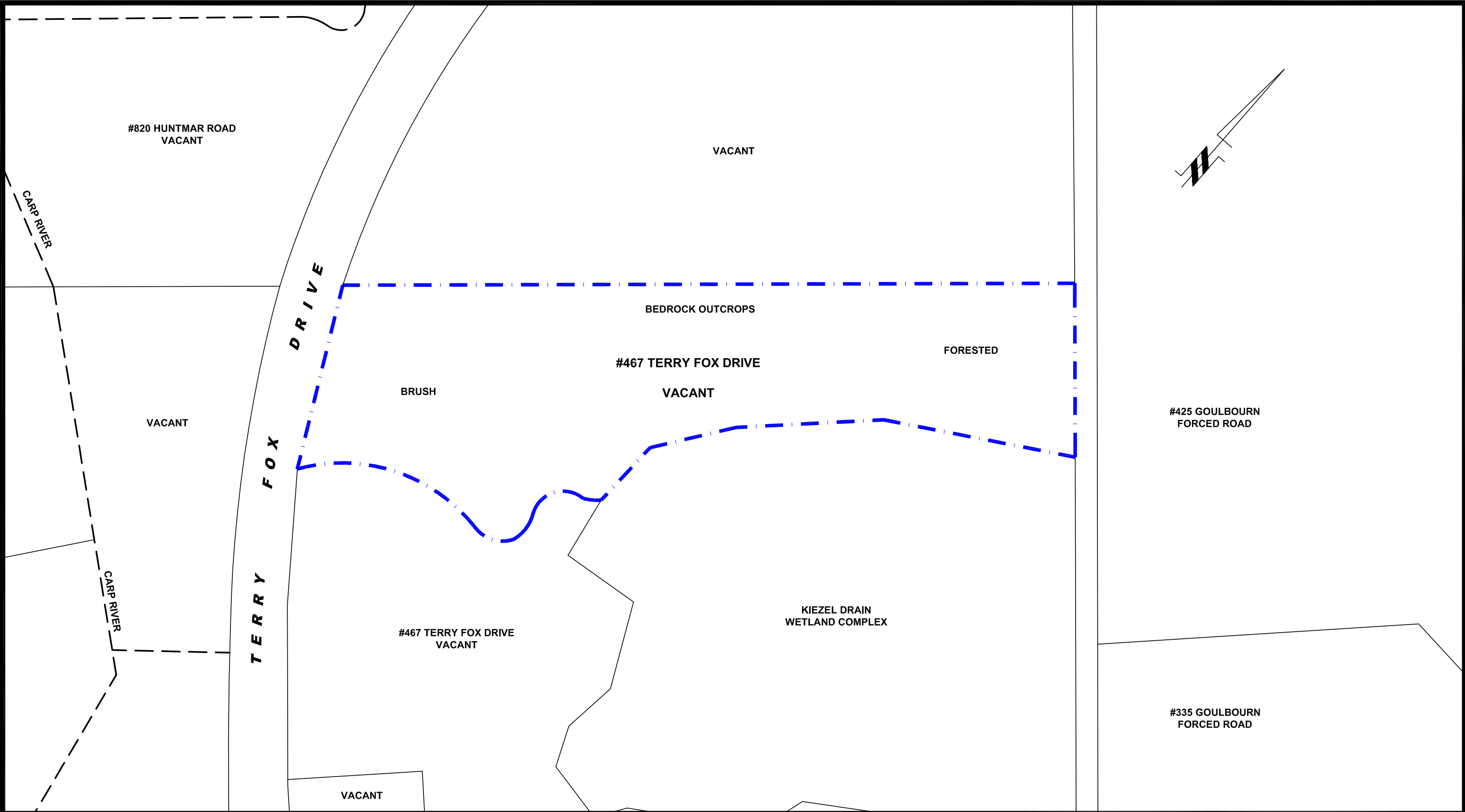


FIGURE 2  
TOPOGRAPHIC MAP



**patersongroup**  
consulting engineers

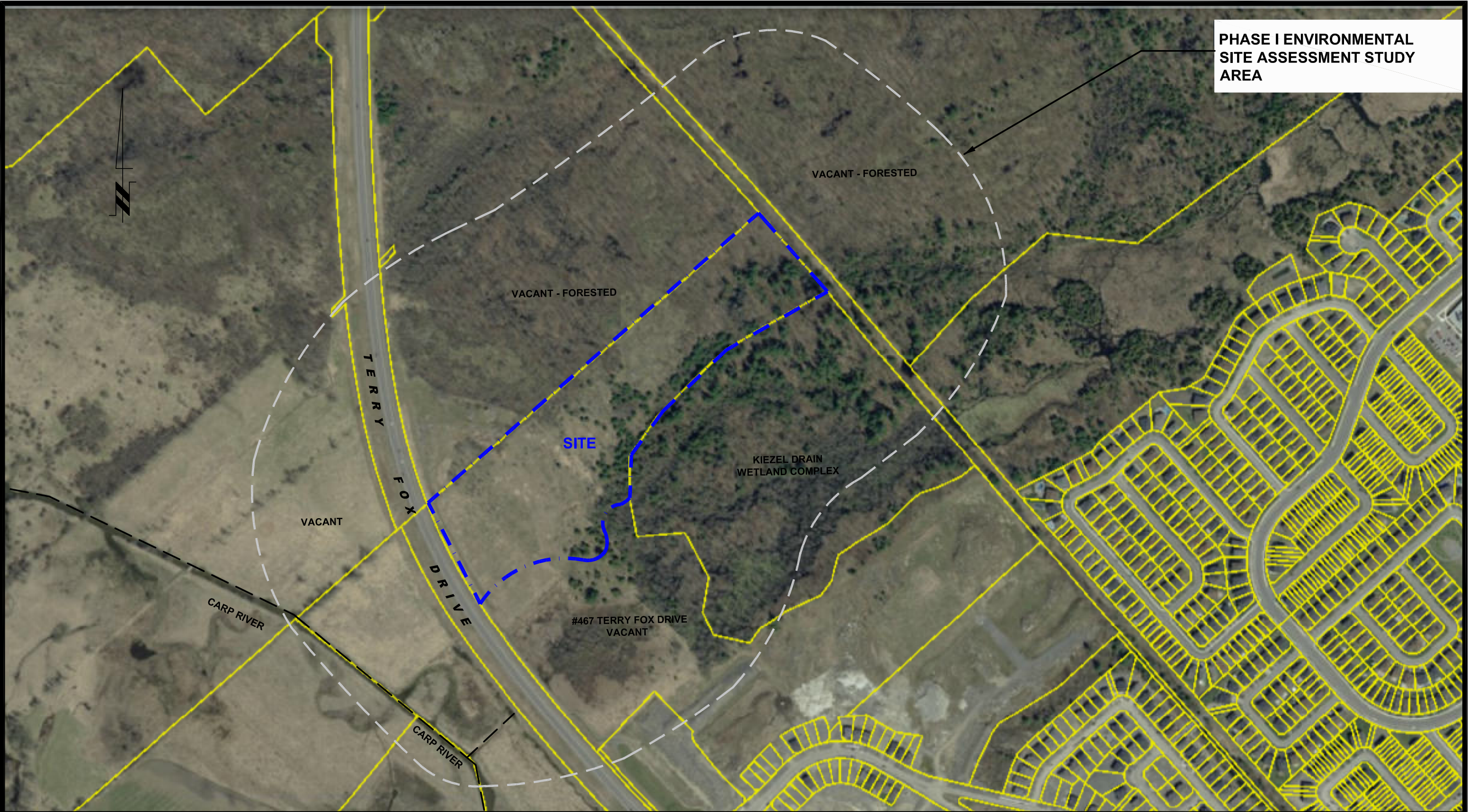
154 Colonnade Road South  
Ottawa, Ontario K2E 7J5  
Tel: (613) 226-7381 Fax: (613) 226-6344

0			
NO.	REVISIONS	DATE	INITIAL

REGIONAL GROUP OF COMPANIES	
PHASE I - ENVIRONMENTAL SITE ASSESSMENT	
467 TERRY FOX DRIVE	
OTTAWA,	ONTARIO
Title: SITE PLAN	

Scale:	1:3000	Date:	01/2016
Drawn by:	AG	Report No.:	PE3704
Checked by:	XR	Dwg. No.:	PE3704-1
Approved by:	MSD	Revision No.:	





PHASE I ENVIRONMENTAL  
SITE ASSESSMENT STUDY  
AREA

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consulting engineers

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Ottawa, Ontario K2E 7J5  
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0			
NO.	REVISIONS	DATE	INITIAL

REGIONAL GROUP OF COMPANIES	
PHASE I - ENVIRONMENTAL SITE ASSESSMENT	
467 TERRY FOX DRIVE	
OTTAWA,	ONTARIO
Title: SURROUNDING LAND USE PLAN	

Scale:	1:5000	Date:	01/2016
Drawn by:	AG	Report No.:	PE3704-1
Checked by:	XR	Dwg. No.:	PE3704-2
Approved by:	MSD	Revision No.:	

p:\autocad drawings\environmental\pe3704\pe3704-2 surrounding land use.dwg

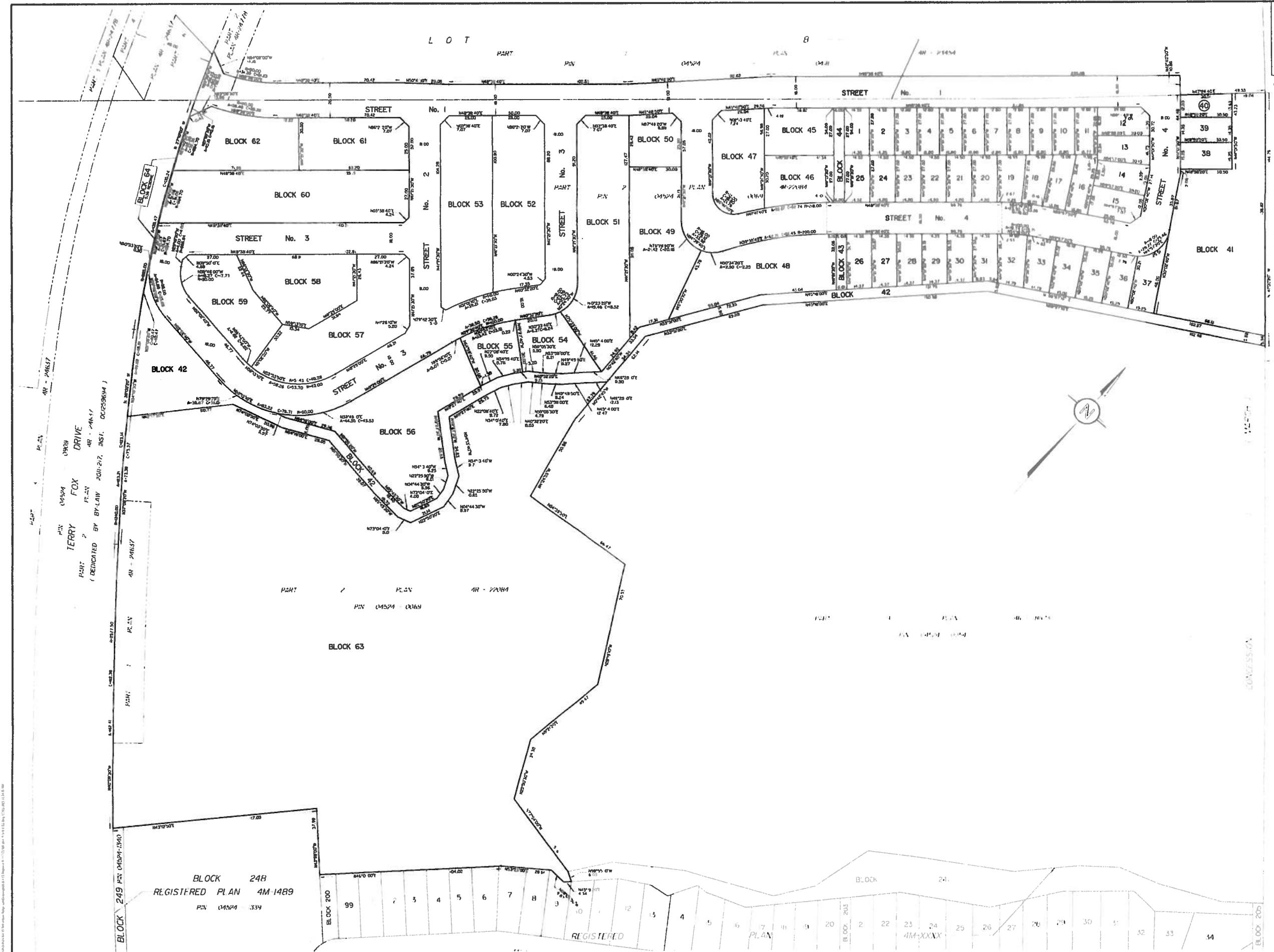


# **APPENDIX 1**

**CURRENT PLAN OF SURVEY**

**AERIAL PHOTOGRAPHS**

**SITE PHOTOGRAPHS**



**PLAN 4M-**  
CERTIFY THAT THIS PLAN  
IS REGISTERED IN THE LAND REGISTRY OFFICE  
FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON NO. 4  
AT 10:00 O'CLOCK ON THE 10th DAY OF  
MARCH 2019 AND EXTENDED IN THE PARCEL REGISTER FOR  
PROPERTY/CLIENT PERS  
AND THE REQUIRED CONSENTS ARE REGISTERED AS  
PLAN DOCUMENT NO. 4M-1489

LAND REGISTRAR  
Inspector (signature) 10th day of March 2019

**PLAN OF SUBDIVISION OF**  
**PART OF LOTS 7 AND 8**  
**CONCESSION 1**  
**Geographic Township of March**  
**CITY OF OTTAWA**

Surveyed by Annis, O'Sullivan, Vollebakk Ltd

Scale 1:750  
METRIC  
DISTANCES AND COORDINATES SHOWN ON THIS PLAN  
ARE IN METRES AND CAN BE CONVERTED TO FEET BY  
DIVIDING BY 0.3048

**SURVEYOR'S CERTIFICATE**  
I, the undersigned, being a duly qualified and licensed Surveyor under the Survey Act, R.S.O. 1990, Chapter S.5, do hereby certify that the foregoing is a true and correct copy of the original plan as filed in my office on the 10th day of March 2019.

**OWNER'S CERTIFICATE**  
I, the undersigned, being the owner of the land shown on the foregoing plan, do hereby certify that the plan is a true and correct copy of the original plan as filed in my office on the 10th day of March 2019.

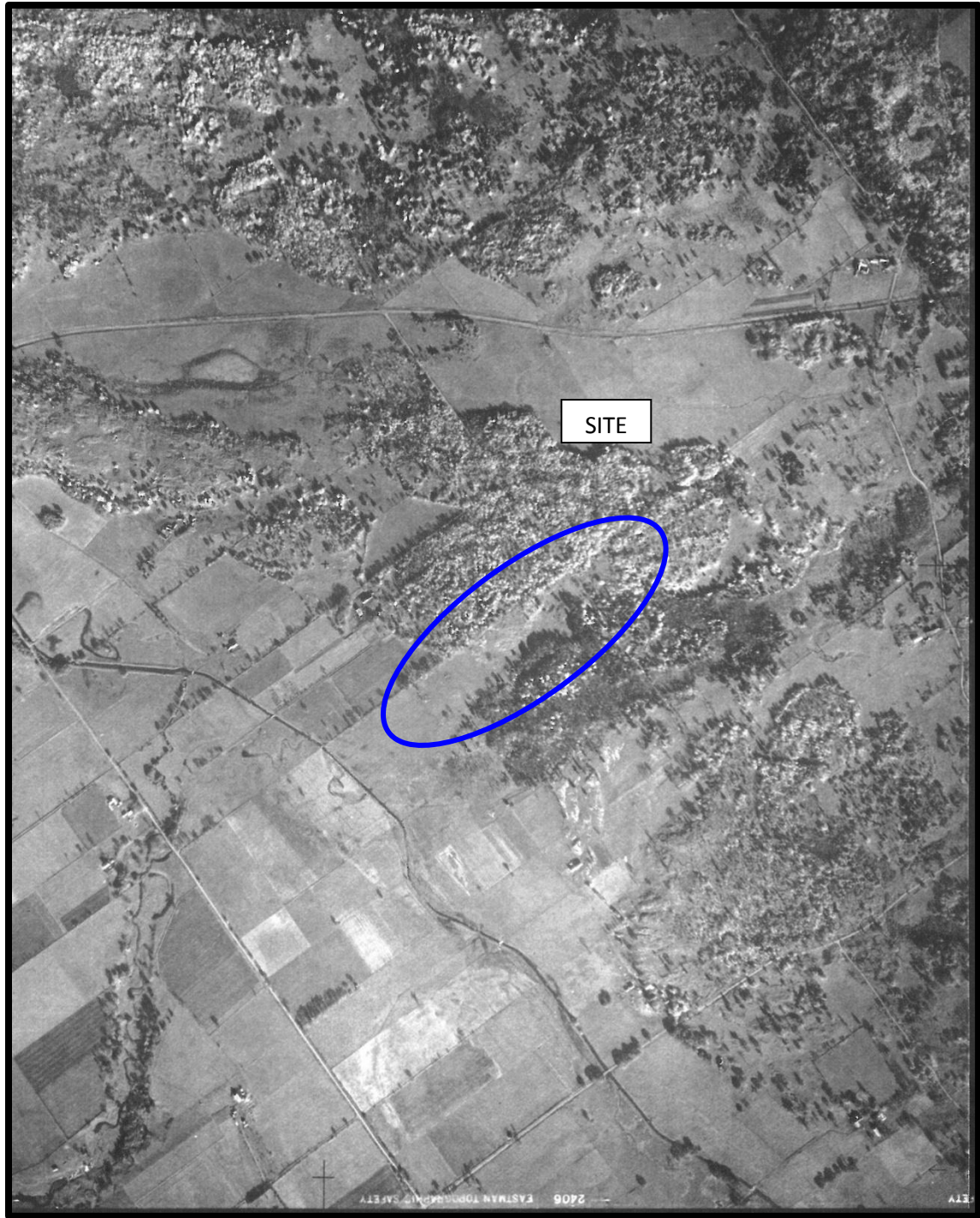
**NOTES AND LEGEND**  
1. All dimensions are in metres.  
2. All bearings are in degrees, minutes and seconds.  
3. All distances are in metres.  
4. All lot numbers are in accordance with the original plan.  
5. All street names are in accordance with the original plan.  
6. All other details are in accordance with the original plan.

All dimensions are in metres.  
All bearings are in degrees, minutes and seconds.  
All distances are in metres.  
All lot numbers are in accordance with the original plan.  
All street names are in accordance with the original plan.  
All other details are in accordance with the original plan.

Distances shown on this plan are ground distances and not horizontal distances.  
Bearings are shown on this plan as true bearings and not magnetic bearings.  
Lot numbers are shown on this plan as original lot numbers and not as new lot numbers.  
Street names are shown on this plan as original street names and not as new street names.  
All other details are in accordance with the original plan.

For bearing computations, a magnetic declination of 10° 15' 00" East was used.  
Coordinates are shown on this plan as UTM coordinates and not as NAD 83 coordinates.  
Lot numbers are shown on this plan as original lot numbers and not as new lot numbers.  
Street names are shown on this plan as original street names and not as new street names.  
All other details are in accordance with the original plan.

**ANNIS, O'SULLIVAN, VOLLEBEKK LTD**  
14 CONcession 1, Suite 200  
Mossburn Ont M7E 1T8  
Phone: (905) 777-0000 Fax: (905) 777-1011  
Land Surveyors in Ontario since 1984



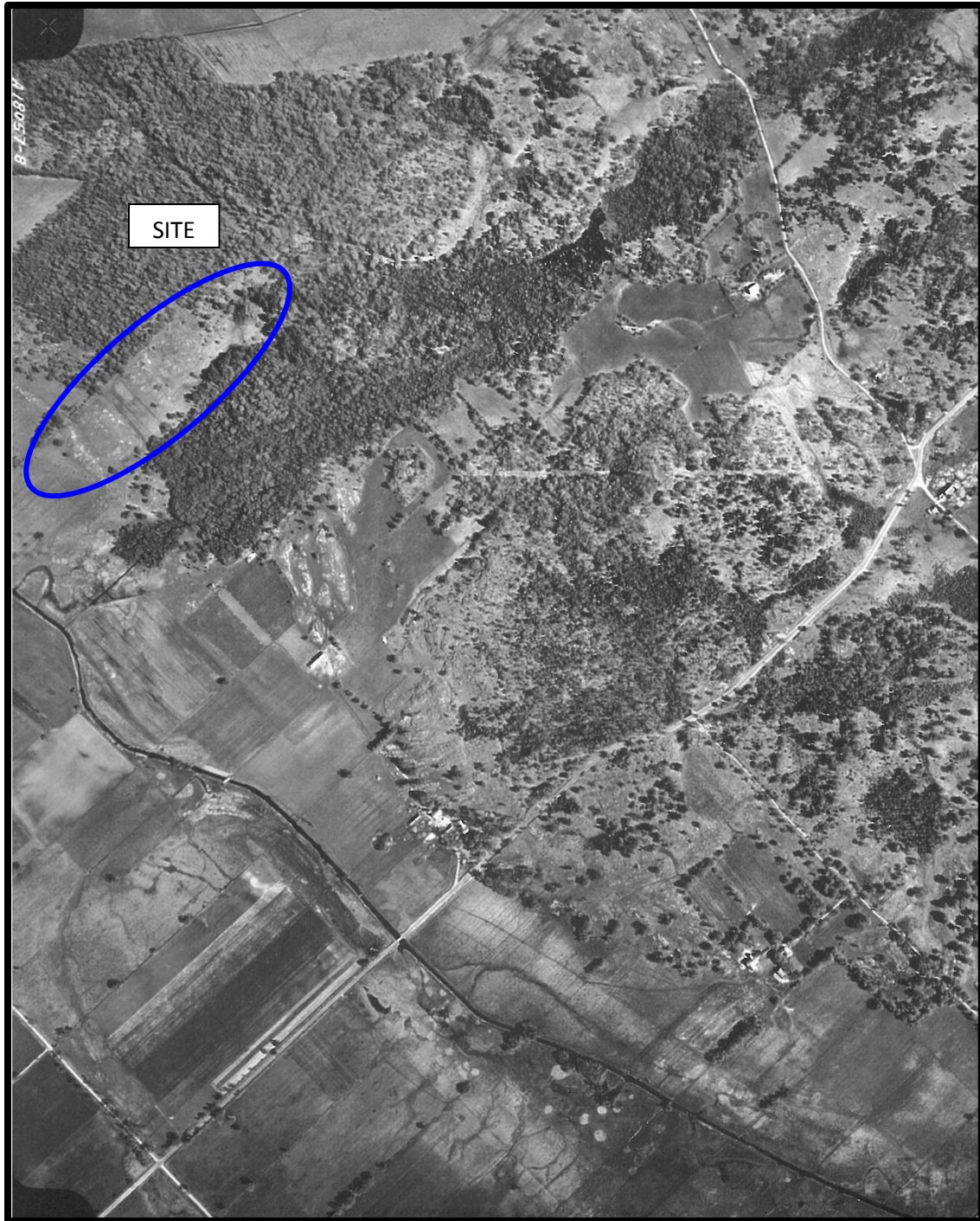
AERIAL PHOTOGRAPH  
1945





AERIAL PHOTOGRAPH  
1959





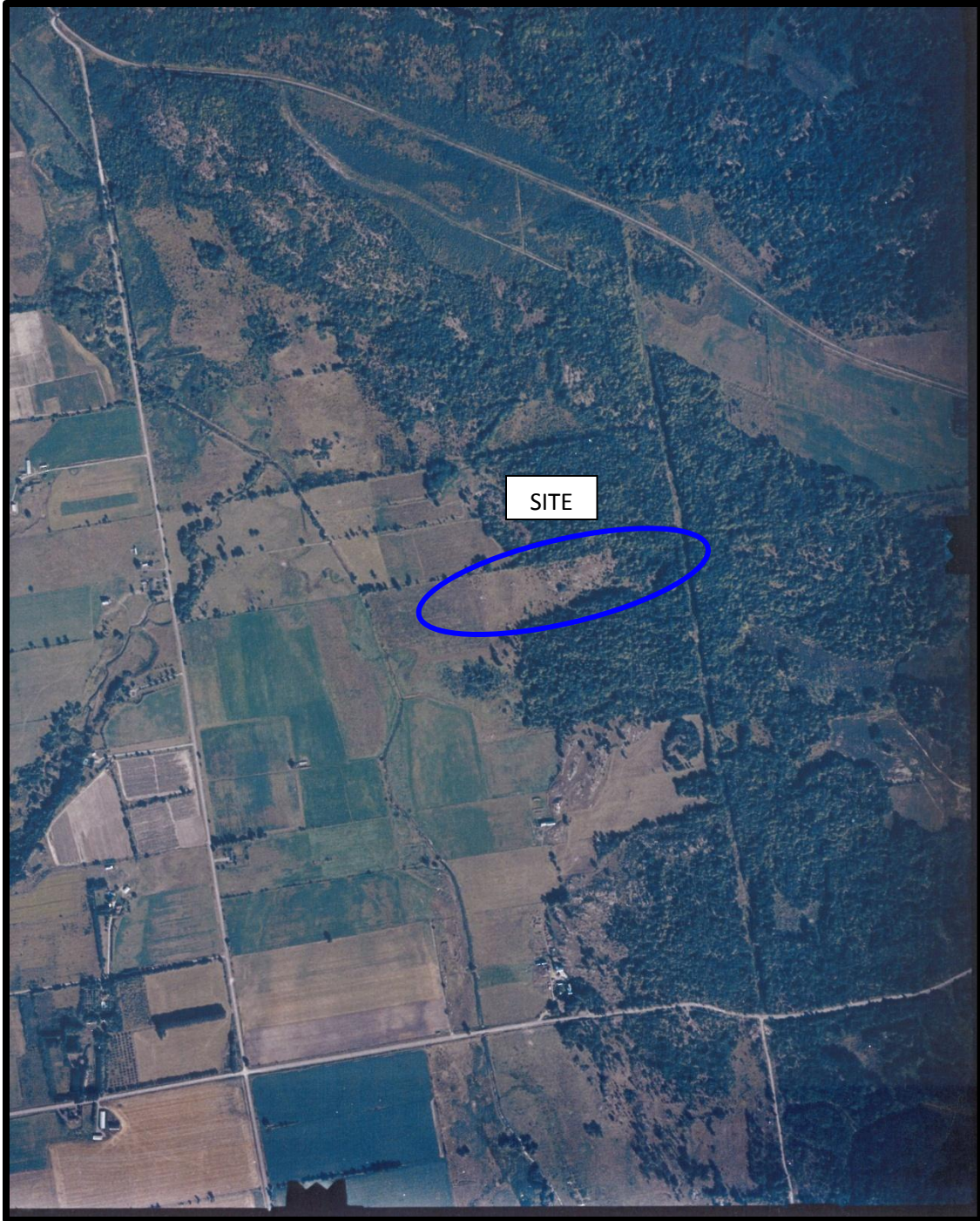
AERIAL PHOTOGRAPH  
1963





AERIAL PHOTOGRAPH  
1978





AERIAL PHOTOGRAPH  
1993





AERIAL PHOTOGRAPH  
2002



## Site Photographs

PE3704

Terry Fox Drive, Ottawa, ON

January 4, 2016



Photograph 1: View of the southwest portion of the subject site, looking east.



Photograph 2: View of the centre of the subject site, looking northeast.

# **APPENDIX 2**

**MOECC FREEDOM OF INFORMATION REQUEST**

**TSSA CORRESPONDENCE**

**CITY OF OTTAWA HLUI SEARCH REQUEST**

**MOECC WELL RECORDS**

## Xavier Redhead

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**From:** Sarah Quibell [squibell@tssa.org] on behalf of Public Information Services [publicinformationservices@tssa.org]  
**Sent:** November-30-15 11:26 AM  
**To:** Xavier Redhead  
**Subject:** RE: Terry Fox Drive

Good morning Xavier,

Thank you for your inquiry and hope you had a good weekend.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail ([publicinformationservices@tssa.org](mailto:publicinformationservices@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 great day!

Regards,

Sarah



### Public Information Services

Facilities & Business Services  
3300 Bloor Street West  
Center Tower, 16th Floor  
Toronto, Ontario, M8X-2X4

Tel: 1-877-682-8772 Fax: (416) 734-3568 E-mail: [publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)  
[www.tssa.org](http://www.tssa.org)



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**From:** Xavier Redhead [<mailto:XRedhead@patersongroup.ca>]

**Sent:** Monday, November 30, 2015 11:21 AM

**To:** Public Information Services

**Subject:** Terry Fox Drive

Good morning,

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

750, 820 Huntmar Drive

467 Terry Fox Drive

1425 Richardson Side Road

335, 425 Goulbourn Forced Road

381, 383, 385, 387 Huntsville Drive

Thank you,

Xavier

**patersongroup**  
solution oriented engineering

154 Colonnade Road South  
Ottawa, Ontario, K2E 7J5  
Tel: (613) 226-7381 Ext. 232  
Fax: (613) 226-6344  
Email: [xredhead@patersongroup.ca](mailto:xredhead@patersongroup.ca)

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# **APPENDIX 3**

## **QUALIFICATIONS OF ASSESSORS**

## 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  
Consulting 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  
Rideau Centre Expansion project - Ottawa  
Agricultural Supply Facilities - Eastern Ontario  
Laboratory Facility – Edmonton (Alberta)  
Ottawa International Airport - Contaminant Migration Study - Ottawa  
Investigation and Remediation – Cotton Mill Redevelopment, Cornwall  
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  
Assessment and Remediation - North Bay Airport  
Commercial Properties – Guelph and Brampton  
Brownfields Remediation – Alcan Site - Kingston  
PWGSC Building – 90 Elgin Street - Ottawa  
Remediation Program - Ottawa Train Yards  
MHLH Facility – CFB Petawawa  
Ottawa Congress Centre  
Lansdowne Park Redevelopment - Ottawa

**Environmental  
Engineering**

**Geotechnical  
Engineering**

**Materials Testing  
Quality Control**

**Building Science**

**Hydrogeology**

**Archaeological  
Services**