

Phase I Environmental Site Assessment

620 Triangle Street
Ottawa, Ontario

Prepared for the Ottawa Catholic School Board

Report: PE6686-1R
June 17, 2025

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EXECUTIVE SUMMARY

Paterson Group was retained by the Ottawa Catholic School Board (OCSB) to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 620 Triangle Street in Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and properties within 250m (Phase I Study Area), to identify any actual or potential environmental concerns that may have impacted the Phase I Property.

According to the historical research, the Phase I Property has always consisted of agricultural or other use land that has never been developed. No concerns were identified with respect to historical land use of the Phase I Property.

Historically, properties within the Phase I Study Area have been used for agricultural purposes prior to development with residential dwellings and parkland commencing in approximately 2015.

Following the historical research, a site visit was conducted to assess the Phase I Property and surrounding lands. The Phase I Property consists of vacant undeveloped land. Surrounding lands in the Phase I Study Area consist of residential use and parkland.

No PCAs were identified on the Phase I Property or within the Phase I Study Area.

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

1.0 INTRODUCTION

At the request of the Ottawa Catholic School Board (OCSB), Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I-ESA) for the property addressed 620 Triangle Street, in the City of Ottawa, Ontario (Phase I Property). The purpose of this Phase I-ESA has been to research the past and current uses of the Phase I Property, as well as the neighbouring properties within a 250m study area (Phase I Study Area) to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Donald Wood of OCSB, who's office can be reached by phone at 613-224-2222.

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 under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O. Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). 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, as well as a cursory review made at the time of the field assessment. The historical research relies upon 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: 620 Triangle Street, Ottawa, Ontario.

Location: The Phase I Property is located east of the intersection of Triangle Street and Cranesbill Road, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, appended to this report.

Latitude and Longitude: 45° 17' 03" N, 75° 53' 45" W.

Site Description:

Configuration: Irregular

Area: 2.72 ha (approximate)

Zoning: I1A – Institutional

Current Use: The Phase I Property currently consists of vacant, unutilized land.

Services: The Phase I Property is located within a municipally serviced area and will be serviced with municipal services after development.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I-ESA is described as follows:

- ☐ Determine the historical activities occurring on the Phase I Property and in the Phase I Study Area by conducting a review of readily available records, reports, photographs, plans, mapping information, databases, and regulatory agencies;
- ☐ Investigate the existing conditions present on the Phase I Property and in the Phase I Study Area by conducting site reconnaissance;
- ☐ Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, the neighbouring properties;
- ☐ Present the results of our findings in a comprehensive report in general accordance with the requirements O. Reg. 153/04, as amended under the Environmental Protection Act, and in compliance with the requirements of CSA Z768-01 (reaffirmed 2022);
- ☐ 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 250m was deemed appropriate for defining the study area for this assignment, herein referred to as the Phase I Study Area. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant separation distances.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property has never been developed.

City of Ottawa Street Directories

City Directories are not available for the Phase I Property or properties within the Phase I Study Area, due to the recency of development.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the Phase I Study Area.

Plan of Survey

A survey plan showing the Phase I Property, prepared by J.D. Barnes Ltd. (Plan 4M-1628), was reviewed as part of this assessment. The Phase I Property is shown as Parcel 1 (4M-1628 Block 116) and Parcel 2 (4M-1606 Block 204). The survey plan is included in Appendix 1.

Chain of Title

Paterson did not request a Chain of Title for the Phase I Property as it was determined that information was gathered from other sources, such as personal interviews and aerial photographs, satisfies the objectives of the records review.

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records listed for the Phase I Property or properties situated within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Ontario Inventory of PCB Storage Sites, April 1995"* was reviewed as part of this assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.

A review of this document did not identify any former PCB waste storage sites listed for the Phase I Property or situated within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, *"Waste Disposal Site Inventory in Ontario, 1991"* was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario.

A review of this document did not identify any active or former waste disposal sites on the Phase I Property or within 500m of the Phase I Property.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property. The response from the MECP indicated that no records were identified for the Phase I Property. The MECP FOI response has been included in Appendix 2.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties. The response from the MECP indicated that no records were identified for the Phase I Property. The MECP FOI response has been included in Appendix 2.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the Phase I Property. The response from the MECP indicated that no records were identified on the Phase I Property. The MECP FOI response has been included in Appendix 2.

MECP Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the Phase I Property. A response from the MECP had not been received by our firm prior to the issuance of this report. Based on the ERIS report, no records were identified on the Phase I Property. The MECP FOI request form has been included in Appendix 2.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. This database contains publicly available information on Records of Site Condition (RSCs) filed in the Province of Ontario between 2004 and 2023.

A review of the registry did not identify any RSCs in the database filed for the Phase I Property or for off-site properties within the Phase I Study Area.

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

A review of the available mapping information did not identify any ANSI sites situated on the Phase I Property or within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on August 9, 2024, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as adjacent and some neighbouring properties within the Phase I Study Area.

The response from the TSSA indicated that no records were identified with respect to the Phase I Property or adjacent properties.

TSSA records within the Phase I Study Area were also obtained as part of the ERIS search. No TSSA records were identified within the Phase I Study Area.

A copy of the correspondence with the TSSA is included in Appendix 2.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, “*Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa*”, was reviewed as part of this assessment. This document identifies the details and locations of all recorded active and closed landfill sites situated in the City of Ottawa since the time of publication (October 2004).

A review of this document did not identify any active or closed landfill sites situated on the Phase I Property or within 500m of the Phase I Property.

City of Ottawa Historical Land Use Inventory (HLUI) Database

A requisition was sent to the City of Ottawa to request information from the City’s Historical Land Use Inventory (HLUI 2011) database for the Phase I Property and adjacent properties.

The response letter received on November 4th, 2024, indicated that no features were identified within the 250m search radius. A copy of the correspondence has been provided in Appendix 2.

ERIS Database Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area.

Based on the ERIS search, 4 records were identified for the Phase I Property, including three well records and one environmental compliance approval for municipal servicing. Based on a review of the well records, none are considered to be located within the Phase I Property area.

Fuel storage tank records identified in the ERIS report were determined to be associated to the wrong address and not within the Phase I Study Area. No off-site records were considered to represent PCAs in the Phase I Study Area.

No environmental concerns were identified in the ERIS report. A copy of the ERIS report is included in Appendix 2.

Geotechnical Investigation

A geotechnical investigation was completed by Paterson Group concurrently with the Phase I ESA (August 2024). The geotechnical investigation consisted of twenty (20) boreholes (BH 1-24 to BH 20-24) advanced to a maximum depth of 6.6m below the existing grade, and twenty (20) test pits (TP1-24 through TP 20-24) advanced to a maximum depth of 1.8m, respectively. The findings were supplemented by a field investigation undertaken on May 7, 2013, which consisted of one borehole advanced to a maximum depth of 7.8m below ground surface.

Based on the investigation, the subsurface profile in the test hole locations generally consisted of topsoil underlain by a clayey to sandy silt over silty clay, becoming grey between approximately 1.6 to 3.0m below existing ground surface. A DCPT was completed in all borehole locations, extending to refusal at depths ranging between 9.1 and 12.9 m below ground surface.

Based on the geotechnical investigation, some limited fill material was identified in the upper layer in some borehole locations; however, this was identified to be a combination of crushed stone, native topsoil, and reworked native material, and not imported fill. No potential environmental concerns with respect to the Phase I Property were identified during the geotechnical investigation.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and the City of Ottawa's GeoOttawa website and were reviewed in approximate ten-year intervals. Based on a review of these photographs, the following observations have been made:

1976	The Phase I Property appears to be undeveloped land used for agricultural purposes at this time. Adjacent properties consist of agricultural lands, with some farmstead buildings.
1991	No significant changes are apparent with respect to the Phase I Property or surrounding lands.
2002	No significant changes are apparent with respect to the Phase I Property or surrounding lands.
2011	No significant changes are apparent with respect to the Phase I Property or surrounding lands.
2019	The Phase I Property is being used as a construction staging area for nearby residential development. Triangle Street, Cranesbill Road, and Honeylocust Avenue are present in their current configuration. Properties to the northeast, east, and southeast have been developed with residential dwellings, and properties to the northwest and west are under construction.
2022	The Phase I Property has been cleared of construction materials and consists of vacant land. Residential dwellings have been constructed to the northwest and west, with parkland developed further west and east.

Copies of the aerial photographs selected for review are included in Appendix 1.

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 beneath the site area consists of interbedded limestone and dolomite of the Gull River Formation. Surficial soils were identified to consist of offshore marine sediments (clay and silt), with a drift thickness of 5 to 10 metres.

Based on the geotechnical investigation completed by Paterson Group, the subsurface profile in the borehole locations generally consisted of topsoil over clayey to sandy silt and silty clay, with DCPT refusal encountered between 9.1 and 12.9 metres below ground surface.

Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment. The topographic map indicates that the general elevation of the Phase I Property is approximately 100m above sea level, while the regional topography within the greater area is generally sloping gradually down to the north, towards the Carp River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A physiographic map was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment.

According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: “...*the lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.*” The Phase I Property is located within the Central St. Lawrence Lowland area, which is rarely more than 150m above sea level.

Water Bodies

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is the Carp River, located approximately 450m to the north.

MECP Water Well Records

A search of the MECP website for all drilled well records within a 250m radius of the Phase I Property, was conducted as part of this assessment. No well records were identified on the Phase I Property or within the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representative

Mr. Donald Wood of Ottawa Catholic School Board was available by email to respond to questions regarding the environmental history of the Phase I Property. Relevant information has been incorporated into pertinent sections.

Mr. Wood was unaware of any past uses of the Phase I Property, or any potential environmental concerns pertaining to the current or past use of the Phase I Property or neighbouring properties.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted for the Phase I Property on August 8, 2024, between approximately 10:00 AM and 11:00 AM. Weather conditions were partly cloudy, with a temperature of approximately 20°C. Mr. Jesse Andrechek from the Environmental Department of Paterson Group conducted the inspection.

In addition to the Phase I Property, 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 the Phase I Property

Site Description

The Phase I Property consists of vacant, undeveloped land, with some overgrown vegetation. A small amount of granular material and stripped topsoil remains on the property from previous construction material storage, which is not considered to represent a potential environmental concern to the Phase I Property. No buildings or structures are present on the Phase I Property.

The site topography is relatively flat, while the regional topography appears to slope slightly down towards the north, in the general direction of the Carp River. Water drainage on the Phase I Property occurs via infiltration and surface runoff towards catch basins located on adjacent streets.

No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the Phase I Property at the time of the site inspection.

A depiction of the Phase I Property is illustrated on Drawing PE6686-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

No buildings or structures are present on the Phase I Property. No subsurface utilities are currently present on the Phase I Property although the site will be serviced following development.

No private wells were identified on the Phase I Property. No current or former rail or spur lines were identified on the Phase I Property.

Potential Environmental Concerns

☐ Fuels and Chemical Storage

No chemical storage areas, above ground fuel storage tanks (ASTs), or evidence indicating the presence of any underground fuel storage tanks (USTs) were observed on the exterior of the Phase I Property.

☐ Hazardous Materials and Unidentified Substances

No hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential subsurface contamination were observed on the exterior of the Phase I Property.

☐ Polychlorinated Biphenyls (PCBs) and Transformer Oil

No electrical transformers or any other potential sources of PCBs or transformer oil were identified on the exterior of the Phase I Property.

☐ Waste Management

No waste is currently generated on the Phase I Property.

Neighbouring Properties

At the time of the site visit, a survey of the neighbouring properties was conducted from publicly accessible roadways.

Land use adjacent to the Phase I Property was observed as follows:

Northeast: Residential dwellings, followed by Ponderosa Street and parkland;

Southeast: Honeylocust Avenue, followed by residential dwellings;

Southwest: Triangle Street, followed by residential dwellings and parkland;

Northwest: Cranesbill Road, followed by residential dwellings.

No potentially contaminating activities were identified in the Phase I Study Area.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE6686-2 – Surrounding Land Use Plan, in the Figures section of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on the available historical records, the Phase I Property was used for agricultural purposes prior to 2015 and was used for construction staging for nearby development between approximately 2015 to 2022. The site has never been developed.

Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities were identified with the historical and current use of the Phase I Property, or for properties within the Phase I Study Area.

Areas of Potential Environmental Concern (APEC)

No Areas of Potential Environmental Concern were identified on the Phase I Property.

Contaminants of Potential Concern (CPC)

No contaminants of potential concern were identified since no APECs were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the available mapping information, the bedrock in the area of the Phase I Property consists of interbedded limestone and dolomite of the Gull River Formation, with surficial geology consisting of offshore marine sediments (clay and silt) with an overburden thickness of 5 to 10 m.

Based on the geotechnical investigation completed by Paterson Group, the subsurface profile in the borehole locations generally consisted of topsoil over

clayey to sandy silt and silty clay, with DCPT refusal encountered between 9.1 and 12.9 metres below ground surface.

Groundwater is anticipated to flow in a northerly direction towards the Carp River.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is the Carp River, located approximately 450m to the north.

Drinking Water Wells

No well records were identified on the Phase I Property or within the Phase I Study Area.

Existing Buildings and Structures

No buildings or structures are present on the Phase I Property.

Current and Future Property Use

The Phase I Property use is currently considered to be Agricultural or Other Use. Based on the provided drawings, it is understood that the Phase I Property will be developed with an elementary school (institutional use).

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist of residential use and parkland use. Current land use is depicted on Drawing PE6686-2 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the Phase I Property or within the Phase I Study Area. As such, no Areas of Potential Environmental Concern are considered to be present on the Phase I Property.

Contaminants of Potential Concern

As per Section 7.1 of this report, no CPCs were identified on the Phase I Property.

8.0 CONCLUSION

Paterson Group was retained by the Ottawa Catholic School Board (OCSB) to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for 620 Triangle Street in Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and properties within 250m (Phase I Study Area), to identify any actual or potential environmental concerns that may have impacted the Phase I Property.

According to the historical research, the Phase I Property has always consisted of agricultural or other use land that has never been developed. No concerns were identified with respect to historical land use of the Phase I Property.

Historically, properties within the Phase I Study Area have been used for agricultural purposes prior to development with residential dwellings and parkland commencing in approximately 2015.

Following the historical research, a site visit was conducted to assess the Phase I Property and surrounding lands. The Phase I Property consists of vacant undeveloped land. Surrounding lands in the Phase I Study Area consist of residential use and parkland.

No PCAs were identified on the Phase I Property or within the Phase I Study Area.

Based on the results of the Phase I - Environmental Site Assessment, it is our opinion that **a Phase II - Environmental Site Assessment is not required for the Phase I 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, and CSA Z768-01 (reaffirmed 2022). 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 as well as 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 Phase I Property 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 the Ottawa Catholic School Board. Permission and notification from the Ottawa Catholic School Board and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.



Jesse Andrechek, P.Eng., QP_{ESA}



Mark D'Arcy, P.Eng., QP_{ESA}



Report Distribution:

- ☐ Ottawa Catholic School Board
- ☐ Paterson Group Inc.

10.0 REFERENCES

Federal Records

- ☐ Natural Resources Canada: Air Photo Library.
- ☐ Natural Resources Canada: The Atlas of Canada.
- ☐ Geological Survey of Canada: Surficial and Subsurface Mapping.
- ☐ Environment Canada: National Pollutant Release Inventory.
- ☐ National Archives of Canada.

Provincial Records

- ☐ MECP: Freedom of Information and Privacy Office.
- ☐ MECP: Municipal Coal Gasification Plant Site Inventory, 1991.
- ☐ MECP: Waste Disposal Site Inventory, 1991.
- ☐ MECP: Brownfields Environmental Site Registry.
- ☐ MECP: Water Well Inventory.
- ☐ MECP: Ontario PCB Waste Storage Site Inventory, 1995.
- ☐ Office of Technical Standards and Safety Authority, Fuels Safety Branch.
- ☐ Ministry of Natural Resources and Forestry Areas of Natural Significance.
- ☐ 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: GeoOttawa
- ☐ City of Ottawa: Historical Land Use Inventory Database
- ☐ City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.

Local Information Sources

- ☐ Personal Interviews.
- ☐ Previous Engineering Reports.
- ☐ Plan of Survey (Plan 4M-1628).

Public Information Sources

- ☐ ERIS Database Report.
- ☐ Google Earth.
- ☐ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6686-1 – SITE PLAN

DRAWING PE6686-2 – SURROUNDING LAND USE PLAN

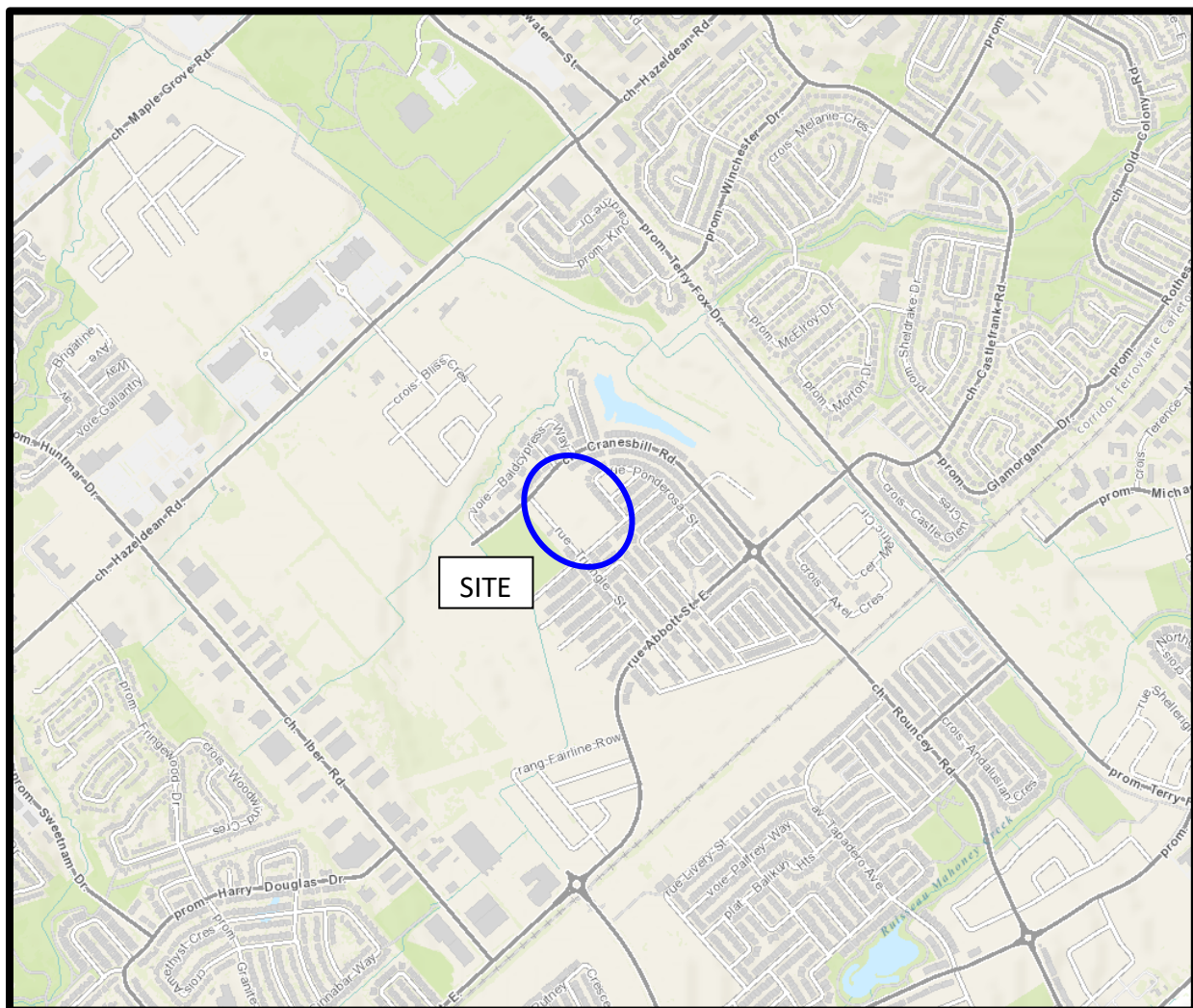


Figure 1
KEY PLAN

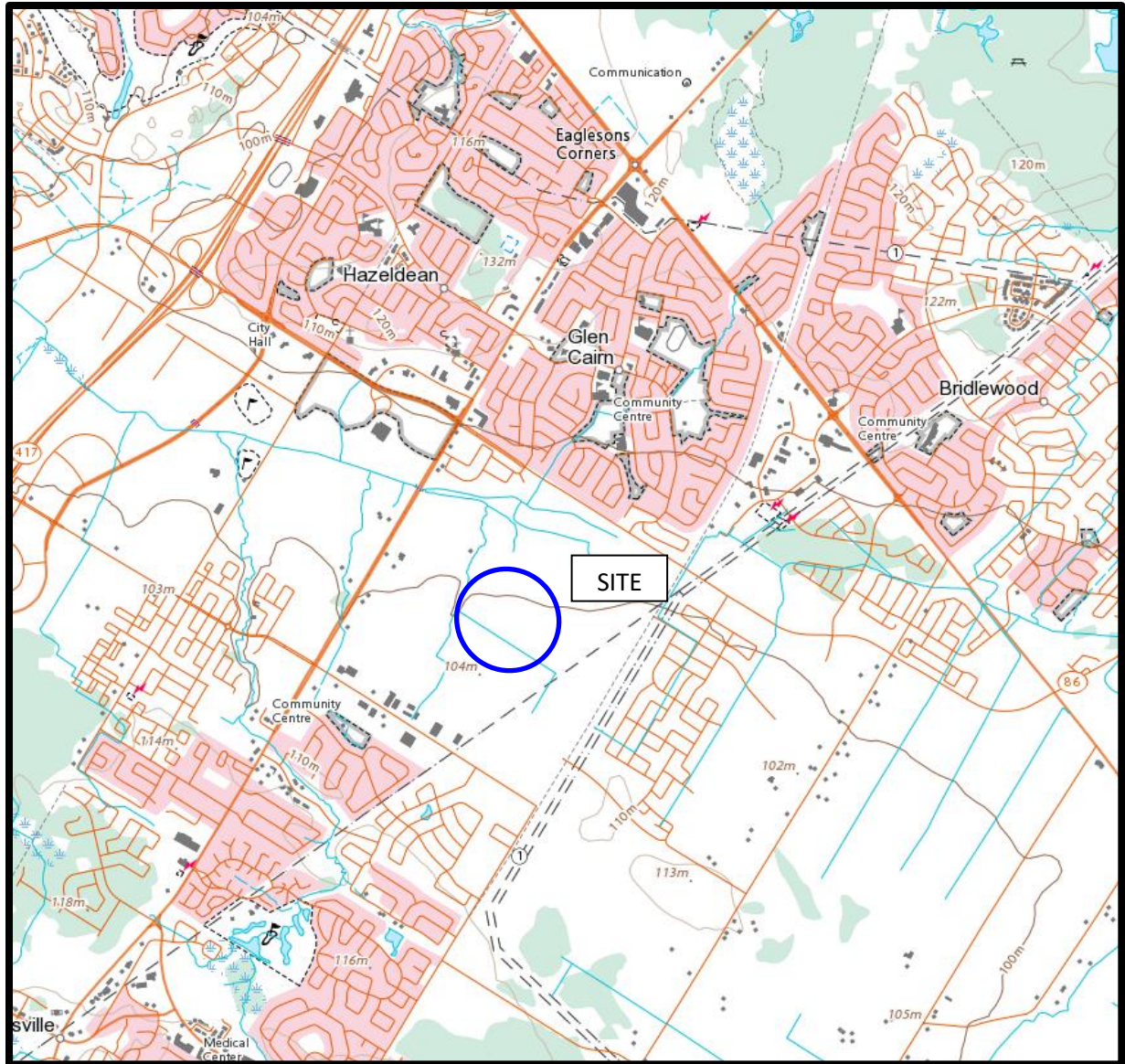
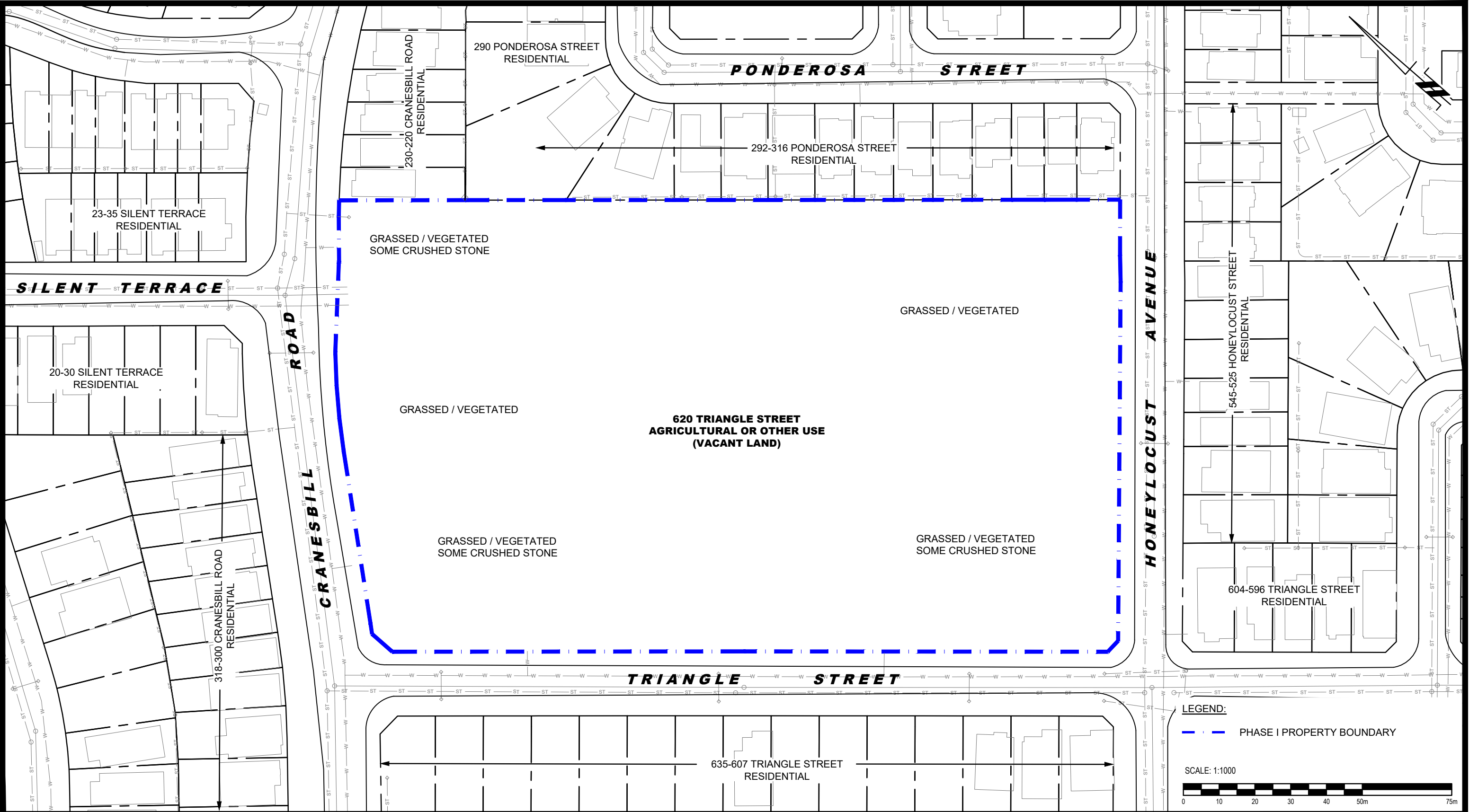


Figure 2
TOPOGRAPHIC PLAN



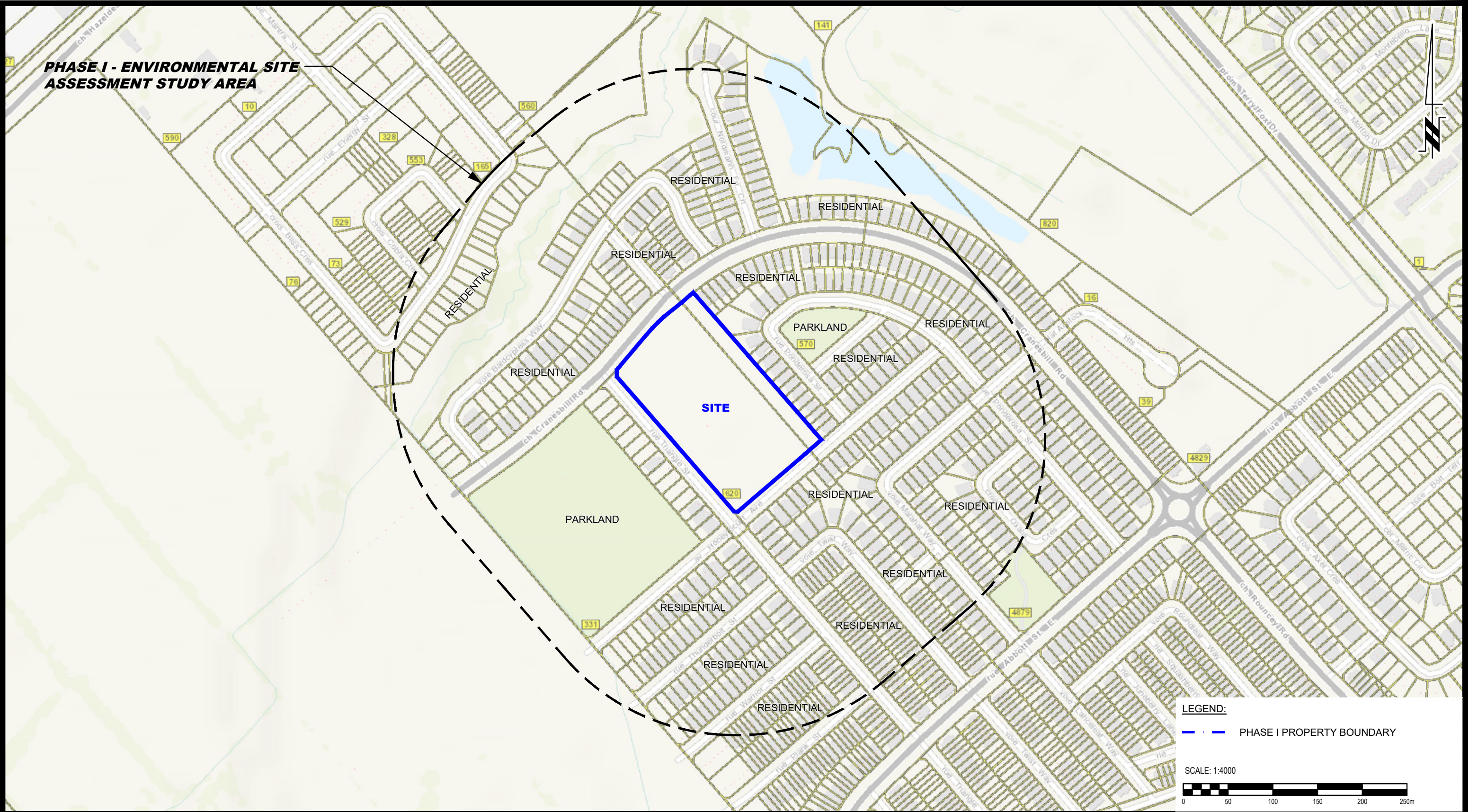
LEGEND:


— — — — — PHASE I PROPERTY BOUNDARY

SCALE: 1:1000

 9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381					OTTAWA CATHOLIC SCHOOL BOARD		Scale:	1:1000	Date:	08/2024
					PHASE I - ENVIRONMENTAL SITE ASSESSMENT		Drawn by:	YA	Report No.:	PE6686-1
					620 TRIANGLE STREET		Checked by:	JA	Dwg. No.:	PE6686-1
					OTTAWA, ONTARIO		Approved by:	MSD	Revision No.:	
	NO.	REVISIONS	DATE	INITIAL	Title:					

SITE PLAN



<div><p>9 AURIGA DRIVE OTTAWA, ON K2E 7T9 TEL: (613) 226-7381</p></div>					OTTAWA CATHOLIC SCHOOL BOARD PHASE I - ENVIRONMENTAL SITE ASSESSMENT 620 TRIANGLE STREET	OTTAWA, ONTARIO	Scale:	1:4000	Date:	08/2024
							Drawn by:	YA	Report No.:	PE6686-1
							Checked by:	JA	Dwg. No.: PE6686-2	
							Approved by:	MSD		Revision No.:
	NO.	REVISIONS	DATE	INITIAL						

APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

PLAN OF SURVEY



AERIAL PHOTOGRAPH
1976



AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2019



AERIAL PHOTOGRAPH
2022

Site Photographs

PE6686

620 Triangle Street, Ottawa, Ontario

August 27, 2024



Photograph 1: View of the Phase I Property from Cranesbill Road, facing southeast.



Photograph 2: View of the northcentral portion of the Phase I Property, facing southeast.

Site Photographs

PE6686

620 Triangle Street, Ottawa, Ontario

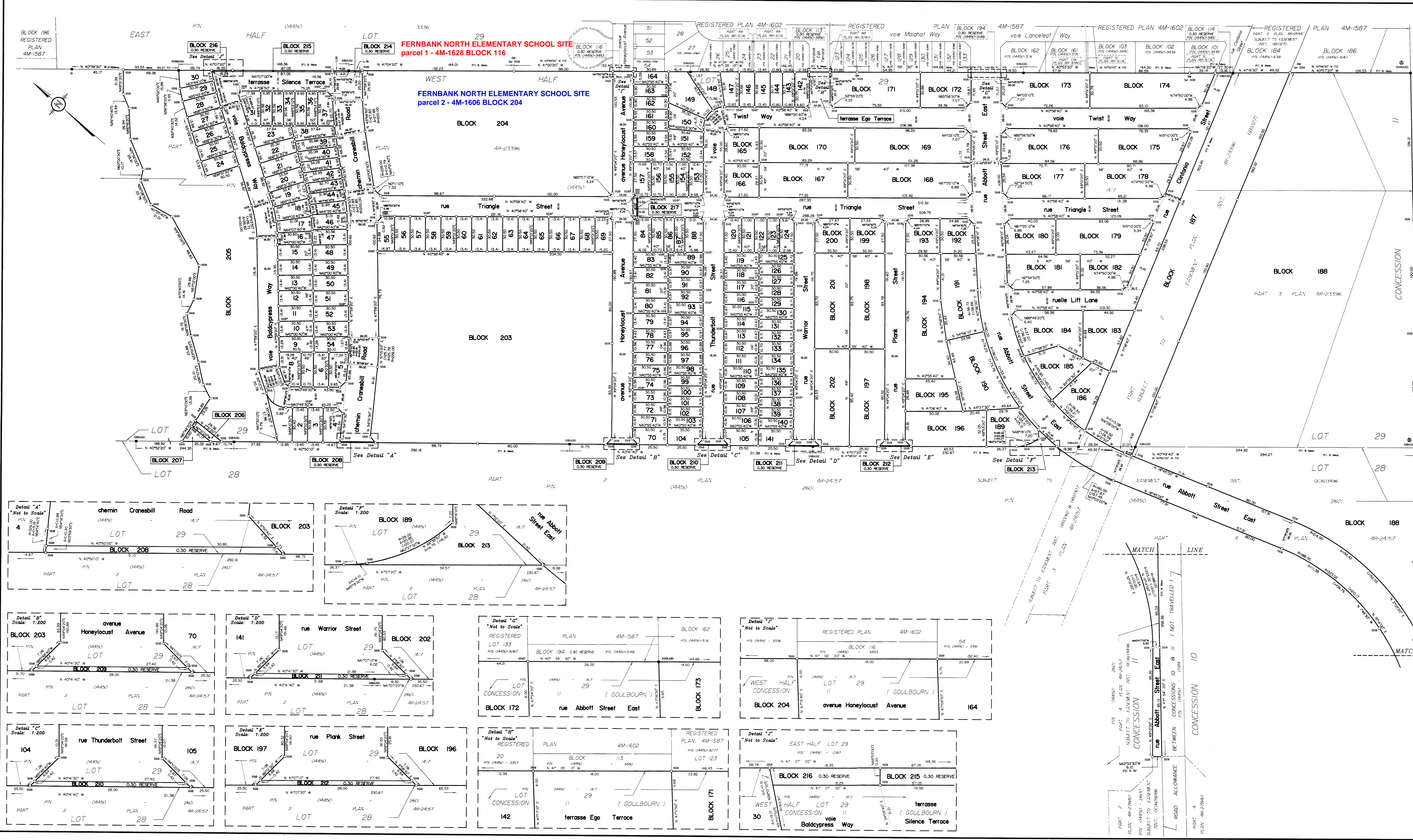
August 27, 2024



Photograph 3: View of the eastern portion of the Phase I Property, facing southeast.

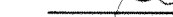


Photograph 4: View of the Phase I Property from Triangle Street, facing north.



APPROVED UNDER SECTION 51 OF THE PLANNING ACT
BY THE CITY OF OTTAWA


THIS 3rd DAY OF August 2018


STEPHEN WILLIAMS, MCRP, DPP
GENERAL MANAGER Alain Gonthier
PLANNING, INFRASTRUCTURE AND ECONOMIC
DEVELOPMENT DEPARTMENT
CITY OF OTTAWA

PLAN 4M-1606

I CERTIFY THAT THIS PLAN
IS REGISTERED IN THE LAND REGISTRY OFFICE
FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON NO. 4
AT 2:19 O'CLOCK ON THE 22 DAY OF August 2018
AND ENTERED IN THE PARCEL REGISTER FOR
PROPERTY IDENTIFIERS 04450-1417 AND 04450-2801
AND THE REQUIRED CONSENTS ARE REGISTERED AS
PLAN DOCUMENT NO 002209083

PLAN OF SUBDIVISION OF
PART OF LOTS 28 And 29
CONCESSION 11
Geographic Township of Goulbourn
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebakk Ltd.
Scale 1:1000



40 30 20 10 0 10 20 30 40 Metres

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 CERTIFY THAT:

1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.
2. The Survey was completed on the 23rd day of March, 2018.

OWNER'S CERTIFICATE
THIS IS TO CERTIFY THAT

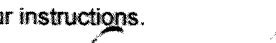
1. Lots 1 to 164, both inclusive, Blocks 165 to 186, both inclusive, Blocks 189 to 207, both inclusive, Block 212 and 213, both inclusive and Blocks 187 and 188, both inclusive, namely, Vaux Baldpateway Way, rue Clintonia Street, chemin Cranberry Road, terrasse Ego Terrace, avenue Honeylocust Avenue, rue/le L'An Lane, rue Plank Street, terrasse Silence Terrace, rue Triangle Street, rue Twist Way, rue Thunderbolt Street and rue Warner Street, and Block 210, both inclusive, namely, Beldersway Reserves, namely, Blocks 208 to 212, both inclusive and 214 to 217, both inclusive, have been laid out in accordance with our instructions.

2. The Streets are dedicated to City of Ottawa for public highways.

OWNER'S CERTIFICATE
THIS IS TO CERTIFY THAT:

1. Part of Blocks 187 and 188 and part of rue Abbot Street East have been laid out in accordance with our instructions.
2. The Street is dedicated to City of Ottawa as public highway.

Dated the 21st day of July, 2018


Dino Carmel (Authorized Signing Officer)
Kozel Management Corporation
I have the authority to bind the corporation

NOTES AND LEGEND

-□-	denotes	Survey Monument Planted.
■	"	Survey Monument Found
SB	"	Standard Iron Bar
SSB	"	Short Standard Iron Bar
CC	"	Cut Cross
IB	"	Iron Bar
IBØ	"	Round Iron Bar
"	"	Survey Monument (0.3 long)
CLF	"	Chain Link Fence
BF	"	Board Fence
(AOC)	"	Amey, O'Sullivan, Volebekis Ltd.
(P1)	"	Plan 4R-23396
(P2)	"	Plan 4R-27940
(P3)	"	Registered Plan 4M-1587
(P4)	"	Plan 4R-24157

LOT	RADIUS	ARC	CHORD	BEARING
5	200.00	10.17	10.17	N63°30'00"E
16	116.00	4.36	4.36	N48°55'00"E
18	116.00	5.12	5.12	N10°10'00"E
18	116.00	12.27	12.76	N37°50'00"E
18	116.00	6.73	6.73	N33°30'00"E
18	301.97	1.59	1.59	N33°30'00"E
28	301.97	13.19	13.19	N33°30'00"E
28	301.97	10.49	10.49	N58°10'00"E
30	301.97	9.43	9.43	N58°10'00"E
37	226.22	22.70	22.89	N45°40'00"E
37	226.22	8.60	8.60	N41°30'00"E
40	226.22	5.12	5.12	N41°30'00"E
44	200.00	8.10	8.10	N41°10'00"E
44	200.00	10.74	10.74	N43°20'00"E
45	200.00	8.00	8.00	N43°20'00"E
54	200.00	12.64	12.64	N46°40'00"E
55	226.00	6.62	6.62	N47°40'00"E
58	116.00	10.25	10.25	N47°40'00"E
148	16.00	10.22	10.09	N89°00'00"E
150	18.00	7.47	7.42	N60°50'30"E

All planned survey monuments are I'll's unless otherwise noted.
Distances shown on curved lines are Arc Distances unless otherwise noted.

Distances shown on straight lines are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.99991.

Bearings are given, derived from Can-Nat-2018 Real Time Network GPS observations in reference points A & B shown below. Having a bearing of 47°56'45"E and are referenced to Specified Control Dots
019175070Z and 019177903Z. MZM Zone ID: 7P30 West Longitude
NAD-83 (original)

For bearing comparison, a rotation of 0.27227 control clockwise was applied to bearings on plot 4R-23306 and 4R-24157.

Coordinates are derived from Can-Nat-2018 Real Time Network GPS observations referred to reference points A & B shown above and 019177903Z. MZM Zone ID: 7P30 West Longitude NAD-83 (original).

Coordinate values are to actual uncertainty in accordance with O. Reg. 216/10

019175070Z Northing 5081616.93 Easting 360065.64
019177062Z Northing 5015336.21 Easting 360075.92
Point B Northing 50050.89 Easting 36075.81
Point B Northing 5015385.92 Easting 352520.31

Caution: Coordinates cannot, in themselves, be used to establish corners or boundaries shown on this plan.

ANNIS, O'SULLIVAN, VOLLEBECK LTD.
A Professional Corporation
Newcomer Ltd. KEE TSS
Unit #2 777-8880 C/O Box #12777
Stn. #777-8880 • Fax #777-8880
Unit #2, Box #12777 • Stn. #777-8880 • Fax #777-8880

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS DATABASE REPORT



August 24, 2024

Mr. Jesse Andrechek
9 Auriga Drive
Nepean, Ontario
jandrechek@patersongroup.ca

Dear Jesse Andrechek:

RE: **MECP FOI A-2024-05209, Your Reference PE6686 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

620 Triangle Street (Lot pt Lot 29 Con 11), Ottawa
Timeframe: January 1st, 1986 to August 9th, 2024

After a thorough search through the ministry files, no records were located responsive to your request. The official responsible for making the access decision on your request is the undersigned.

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at <http://www.ipc.on.ca>. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Roxanne Chambers at 807-456-3035 or roxanne.chambers@ontario.ca.

Yours truly,

Roxanne Chambers

for

Josephine DeSouza
Manager, Access and Privacy Office

Jesse Andrechek

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: August 9, 2024 2:28 PM
To: Jesse Andrechek
Subject: RE: Search Records Request: PE6683

External Email: Do not click on links or open attachments unless you trust the sender.

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the [TSSA Client Portal](#) to complete an Application for Release of Public Information.

Please refer to [How to Submit a Public Information Request \(tssa.org\)](#) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationsservices@tssa.org.

Kind regards,
Sherees



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Jesse Andrechek <JAndrechek@patersongroup.ca>
Sent: Friday, August 9, 2024 2:06 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Search Records Request: PE6683

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

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 in Ottawa, ON:

Triangle Street: 620
Hazeldean Road: 570
Cranesbill Road: 331

Thank you,

Best regards,
Jesse Andrechek, BASc



JESSE ANDRECHEK, BASc
JUNIOR ENVIRONMENTAL ENGINEER
TEL: (613) 226-7381 ext. 228
DIRECT: (613) 696-9663
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!

NEW OFFICE OPEN IN THE GREATER TORONTO AREA WITH OUR EXPANSIVE LIST OF SERVICES NOW AVAILABLE!

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PATERSON GROUP

August 8, 2024
File: PE6686-HLUI

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

Subject: **Authorization Letter: HLUI Search
Phase I – Environmental Site Assessment
620 Triangle Street
Ottawa, Ontario**

Consulting Engineers

9 Auriga Drive
Ottawa, Ontario
K2E 7T9
Tel: (613) 226-7381

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Temporary Shoring Design
Retaining Wall Design
Noise and Vibration Studies

patersongroup.ca

Dear Sir/Madame,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I - Environmental Site Assessment at the aforementioned property.

With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner: Ottawa Catholic School Board

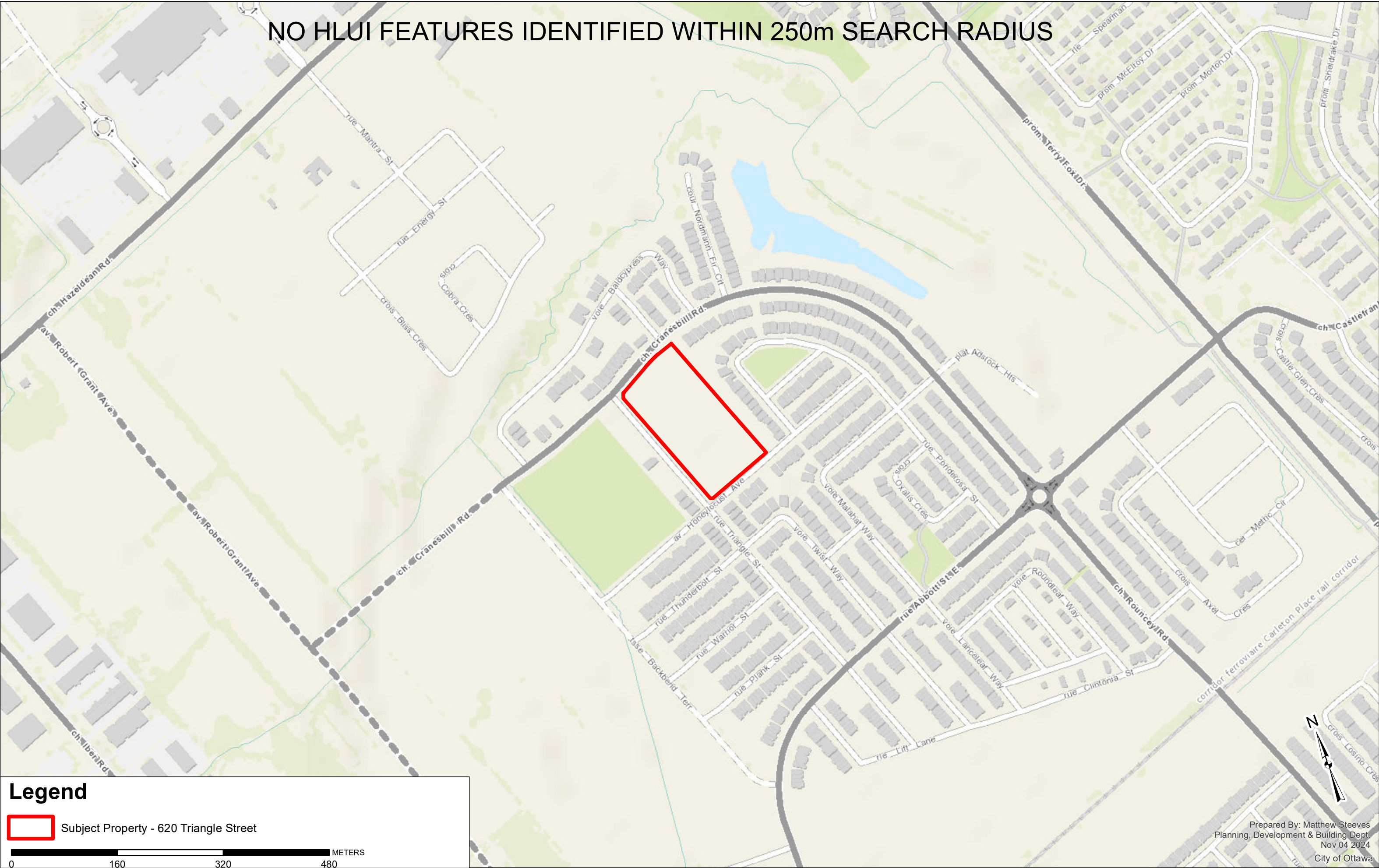
Name of Representative: Donald Wood.

Signature: 

Date: Aug 20 / 24



NO HLUI FEATURES IDENTIFIED WITHIN 250m SEARCH RADIUS





File Number: D06-03-24-0104

November 4, 2024

Jesse Andrechek
Paterson Group

Sent via email jandrechek@patersongroup.ca

Dear Jesse Andrechek,

**Re: Information Request
620 Triangle Street Ottawa, Ontario ("Subject Property")**

Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- **Environmental Remediation Unit:** The City's Environmental Remediation Unit does not have any environmental records for this property.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** No records found for this property.
- **Solid Waste Services:** No records found for this property.

Documents Provided:

HLUI Map

The HLUI Map PDF shows HLUI area, point and line features within 250 metres of the Subject Property. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at <https://ero.ontario.ca/> contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate

existing ones. By using key words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

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

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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: [Public Health Inspections - Ottawa Public Health](#)

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

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

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

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You

may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Matthew Steeves

Student Planner

Development Review

Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map

cc: File no. D06-03-24-0104



DATABASE REPORT

Project Property:	<i>PE6686 - Phase I ESA 620 Triangle Street Ottawa ON K2S 1B9</i>
Project No:	<i>60924</i>
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>24080700052</i>
Requested by:	<i>Paterson Group Inc.</i>
Date Completed:	<i>August 12, 2024</i>

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: PE6686 - Phase I ESA
620 Triangle Street Ottawa ON K2S 1B9

Project No: 60924

Order Information:

Order No: 24080700052
Date Requested: August 7, 2024
Requested by: Paterson Group Inc.
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	1	7	8
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	2	2
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	1	1
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	1	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	3	0	3

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
		Total:	4	13	17

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	WWIS		lot 29 con 11 ON Well ID: 1531322	E/0.0	0.00	<u>16</u>
<u>2</u>	ECA	City of Ottawa	Ottawa ON K1P 1J1	ENE/0.0	0.00	<u>19</u>
<u>3</u>	WWIS		lot 29 con 11 ON Well ID: 1520463	E/0.0	0.00	<u>19</u>
<u>3</u>	WWIS		lot 29 con 11 ON Well ID: 1526759	E/0.0	0.00	<u>23</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	GEN	Richcraft Group Of Companies	590 Hazeldean Rd. Ottawa ON K1G 4K1	W/55.7	1.00	27
4	ECA	2118356 Ontario Inc.	590 Hazeldean Rd (Part of Lot 29, Concession 11) Ottawa ON K1G 4K1	W/55.7	1.00	28
4	PTTW	2118356 Ontario Inc.	590 Hazeldean Road Part of Lot 29, Concession 11 Ottawa, ON Canada ON	W/55.7	1.00	28
4	ECA	2118356 Ontario Inc.	590 Hazeldean Rd Ottawa ON K1G 4K1	W/55.7	1.00	28
4	ECA	2118356 Ontario Inc.	590 Hazeldean Rd Ottawa ON K1G 4K1	W/55.7	1.00	29
5	EHS		no address Kanata ON	E/84.3	0.00	29
6	EHS		5618 Hazeldean Rd,5786&5657 Fernbank Rd,1489&1545 Shea Rd Ottawa ON	NNE/119.8	0.00	29
7	FRST	M. Sullivan and Son Ltd	83 Warrior Dr Garrison Petawawa ON	SSE/198.5	2.00	29
7	FRST	Department of National Defence (DND)	83 Warrior Drive Garrison Petawawa ON	SSE/198.5	2.00	32
8	ECA	Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	E/229.9	0.00	35
8	ECA	Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	E/229.9	0.00	35

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>8</u>	ECA	Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	E/229.9	0.00	<u>36</u>
<u>8</u>	ECA	Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11, Goulbourn Ottawa ON K2K 2M5	E/229.9	0.00	<u>36</u>

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jun 30, 2024 has found that there are 8 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	Ottawa ON K1P 1J1	0.0	<u>2</u>
2118356 Ontario Inc.	590 Hazeldean Rd Ottawa ON K1G 4K1	55.7	<u>4</u>
2118356 Ontario Inc.	590 Hazeldean Rd Ottawa ON K1G 4K1	55.7	<u>4</u>
2118356 Ontario Inc.	590 Hazeldean Rd (Part of Lot 29, Concession 11) Ottawa ON K1G 4K1	55.7	<u>4</u>
Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	229.9	<u>8</u>
Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	229.9	<u>8</u>
Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	229.9	<u>8</u>
Mattamy (Fernbank) Limited	570 Hazeldean Rd Lot 29, Concession 11, Goulbourn Ottawa ON K2K 2M5	229.9	<u>8</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of

the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	no address Kanata ON	84.3	5
	5618 Hazeldean Rd,5786&5657 Fernbank Rd, 1489&1545 Shea Rd Ottawa ON	119.8	6

FRST - Federal Identification Registry for Storage Tank Systems (FIRSTS)

A search of the FRST database, dated Oct 31, 2021 has found that there are 2 FRST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Department of National Defence (DND)	83 Warrior Drive Garrison Petawawa ON	198.5	7
M. Sullivan and Son Ltd	83 Warrior Dr Garrison Petawawa ON	198.5	7

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Richcraft Group Of Companies	590 Hazeldean Rd. Ottawa ON K1G 4K1	55.7	4

PTTW - Permit to Take Water

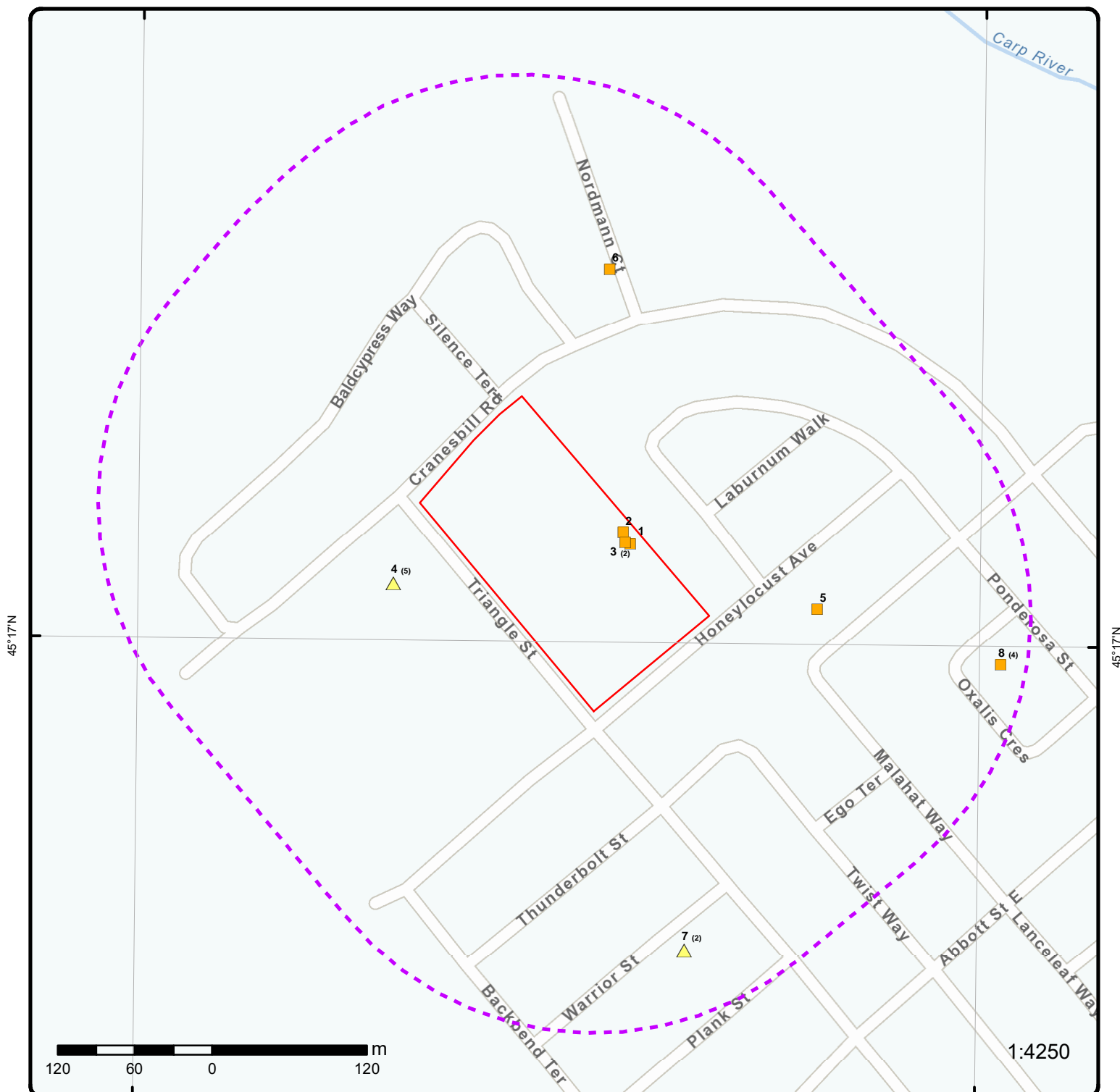
A search of the PTTW database, dated 1994 - Jun 30, 2024 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2118356 Ontario Inc.	590 Hazeldean Road Part of Lot 29, Concession 11 Ottawa, ON Canada ON	55.7	4

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 3 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 29 con 11 ON	0.0	<u>1</u>
	Well ID: 1531322		
	lot 29 con 11 ON	0.0	<u>3</u>
	Well ID: 1526759		
	lot 29 con 11 ON	0.0	<u>3</u>
	Well ID: 1520463		



Map: 0.25 Kilometer Radius

Order Number: 24080700052

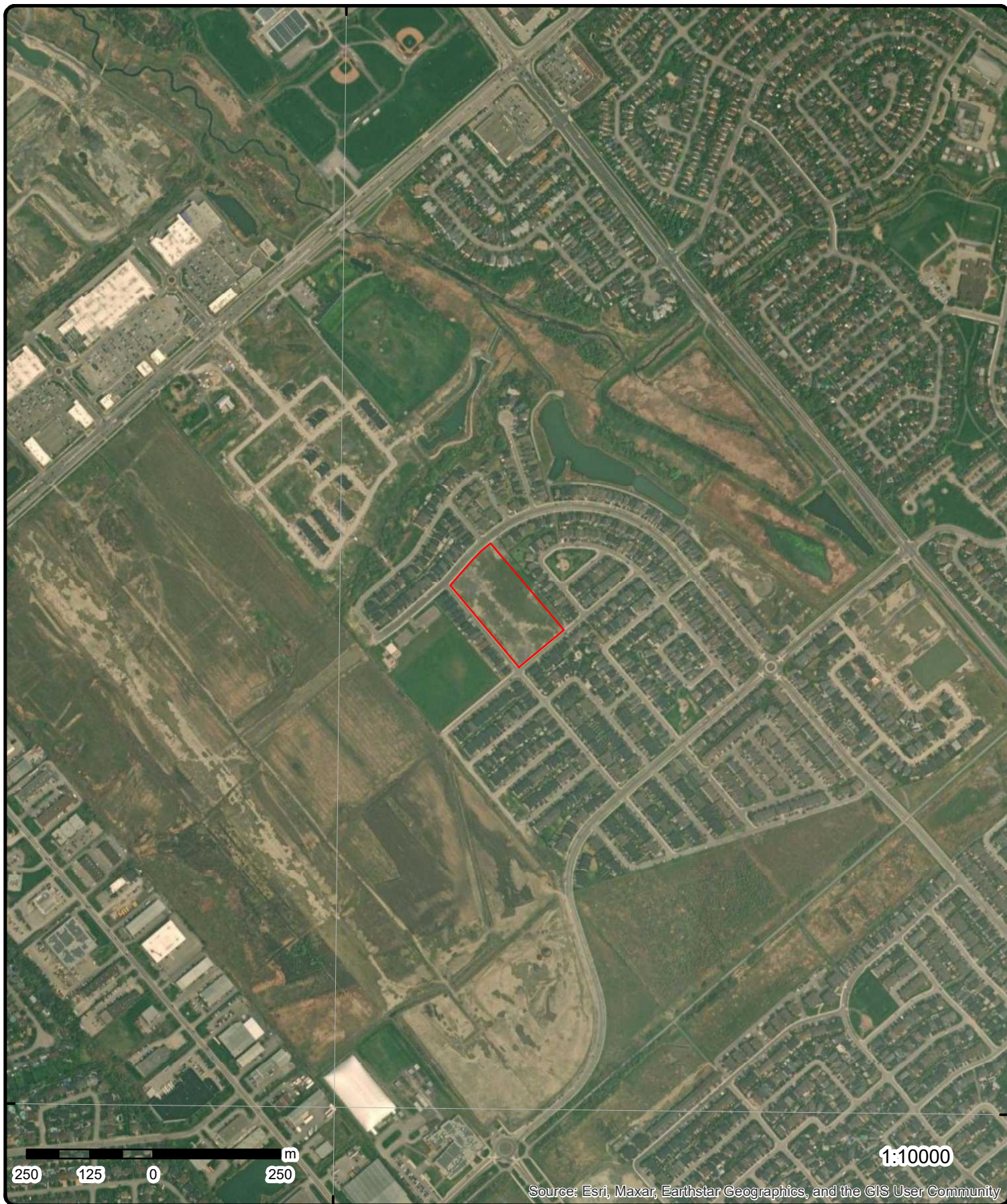
Address: 620 Triangle Street, Ottawa, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Parkt (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	
		Hospital	

75°54'W

45°16'30"N



45°16'30"N

1:10000

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Aerial

Year: 2023

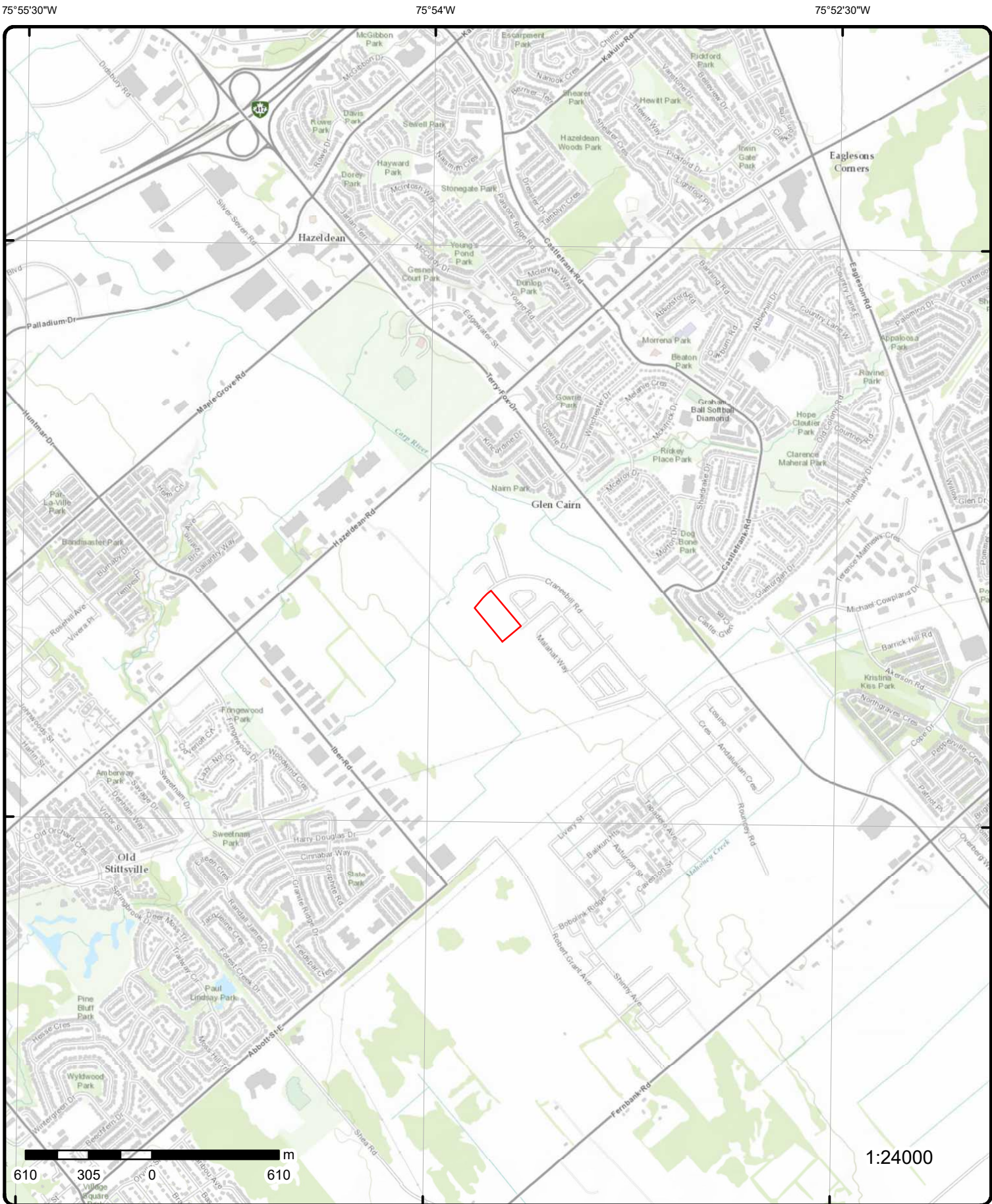
Order Number: 24080700052

Address: 620 Triangle Street, Ottawa, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: 620 Triangle Street, ON

Source: ESRI World Topographic Map

Order Number: 24080700052



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	E/0.0	98.9 / 0.00	lot 29 con 11 ON	WWIS
Well ID:		1531322	Flowing (Y/N):		
Construction Date:			Flow Rate:		
Use 1st:		Domestic	Data Entry Status:		
Use 2nd:			Data Src: 1		
Final Well Status:		Water Supply	Date Received: 09/15/2000		
Water Type:			Selected Flag: TRUE		
Casing Material:			Abandonment Rec:		
Audit No:		220908	Contractor: 1558		
Tag:			Form Version: 1		
Constructn Method:			Owner:		
Elevation (m):			County: OTTAWA-CARLETON		
Elevatn Reliabilty:			Lot: 029		
Depth to Bedrock:			Concession: 11		
Well Depth:			Concession Name: CON		
Overburden/Bedrock:			Easting NAD83:		
Pump Rate:			Northing NAD83:		
Static Water Level:			Zone:		
Clear/Cloudy:			UTM Reliability:		
Municipality:		GOULBOURN TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531322.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		08/18/2000			
Year Completed:		2000			
Depth (m):		54.864			
Latitude:		45.2840295251647			
Longitude:		-75.8951786818273			
X:		-75.89517852101595			
Y:		45.28402951812255			
Path:		153\1531322.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:		10052856	Elevation:		
DP2BR:			Elevrc:		
Spatial Status:			Zone: 18		
Code OB:			East83: 429795.70		
Code OB Desc:			North83: 5014893.00		
Open Hole:			Org CS:		
Cluster Kind:			UTMRC: 9		
Date Completed:		08/18/2000	UTMRC Desc: unknown UTM		
Remarks:			Location Method: lot		
Location Method Desc:		Lot centroid			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931078168			
Layer:		3			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		36.0			
Formation End Depth:		180.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931078166			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		81			
Material 2 Desc:		SANDY			
Material 3:		86			
Material 3 Desc:		STICKY			
Formation Top Depth:		0.0			
Formation End Depth:		8.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931078167			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		8.0			
Formation End Depth:		36.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933116491			
Layer:		1			
Plug From:		0.0			
Plug To:		39.0			
Plug Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:	961531322				
Method Construction Code:	4				
Method Construction:	Rotary (Air)				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10601426				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930092450				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:					
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930092449				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:					
Casing Diameter:	6.0				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:	PUMP				
Pump Test ID:	991531322				
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:	50.0				
Pumping Rate:	50.0				
Flowing Rate:					
Recommended Pump Rate:	5.0				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	2				
Water State After Test:	CLOUDY				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:					
Flowing:	No				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934913960				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		-2.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934657068			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		-2.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934113490			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		-2.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934395994			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		-2.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933491738			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		180.0			
Water Found Depth UOM:		ft			
<hr/>					
<u>2</u>	1 of 1	ENE/0.0	98.9 / 0.00	City of Ottawa	ECA
Ottawa ON K1P 1J1					
Approval No:	7191-5AYNB4			MOE District:	Ottawa
Approval Date:	2002-08-13			City:	
Status:	Revoked and/or Replaced			Longitude:	-75.8952
Record Type:	ECA			Latitude:	45.2841
Link Source:	IDS			Geometry X:	
SWP Area Name:	Mississippi Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Business Name:	City of Ottawa				
Address:					
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2579-5ANTTY-14.pdf				
PDF Site Location:					
<hr/>					
<u>3</u>	1 of 2	E/0.0	98.9 / 0.00	lot 29 con 11 ON	WWIS
Well ID:	1520463			Flowing (Y/N):	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:	Water Supply			Date Received:	05/27/1986
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	5222
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	029
Depth to Bedrock:				Concession:	11
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GOULBOURN TOWNSHIP				
Site Info:					
<hr/>					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1520463.pdf				
<hr/>					
<u>Additional Detail(s) (Map)</u>					
<hr/>					
Well Completed Date:	04/15/1986				
Year Completed:	1986				
Depth (m):	36.576				
Latitude:	45.2840209145168				
Longitude:	-75.8951288172673				
X:	-75.89512865555177				
Y:	45.28402090836244				
Path:	152\1520463.pdf				
<hr/>					
<u>Bore Hole Information</u>					
<hr/>					
Bore Hole ID:	10042306			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	429799.60
Code OB Desc:				North83:	5014892.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	04/15/1986			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:	Lot centroid				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<hr/>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<hr/>					
Formation ID:	931044839				
Layer:	3				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:	78				
Material 2 Desc:	MEDIUM-GRAINED				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3:		73			
Material 3 Desc:		HARD			
Formation Top Depth:		4.0			
Formation End Depth:		120.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931044838			
Layer:		2			
Color:		2			
General Color:		GREY			
Material 1:		26			
Material 1 Desc:		ROCK			
Material 2:		71			
Material 2 Desc:		FRACTURED			
Material 3:		77			
Material 3 Desc:		LOOSE			
Formation Top Depth:		2.0			
Formation End Depth:		4.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931044837			
Layer:		1			
Color:		2			
General Color:		GREY			
Material 1:		01			
Material 1 Desc:		FILL			
Material 2:		77			
Material 2 Desc:		LOOSE			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		2.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933109091			
Layer:		1			
Plug From:		0.0			
Plug To:		22.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961520463			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10590876			
Casing No:		1			
Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930073828			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		22.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930073829			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		120.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991520463			
Pump Set At:					
Static Level:		12.0			
Final Level After Pumping:		110.0			
Recommended Pump Depth:		110.0			
Pumping Rate:		15.0			
Flowing Rate:					
Recommended Pump Rate:		15.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934648961			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		110.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934386817			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		110.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934906041			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		110.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934111954			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		110.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933477714			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		110.0			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933477713			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		96.0			
Water Found Depth UOM:		ft			
<u>3</u>	2 of 2	E/0.0	98.9 / 0.00	lot 29 con 11 ON	WWIS
Well ID:	1526759			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:				Data Src:	1
Final Well Status:	Water Supply			Date Received:	12/03/1992
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	125370			Contractor:	3142
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	029
Depth to Bedrock:				Concession:	11
Well Depth:				Concession Name:	CON
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		GOULBOURN TOWNSHIP			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526759.pdf			

Additional Detail(s) (Map)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Well Completed Date:		11/04/1992			
Year Completed:		1992			
Depth (m):		55.1688			
Latitude:		45.2840209145168			
Longitude:		-75.8951288172673			
X:		-75.8951286555177			
Y:		45.28402090836244			
Path:		152\1526759.pdf			
 <u>Bore Hole Information</u>					
Bore Hole ID:	10048450			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	429799.60
Code OB Desc:				North83:	5014892.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	9
Date Completed:	11/04/1992			UTMRC Desc:	unknown UTM
Remarks:				Location Method:	lot
Location Method Desc:	Lot centroid				
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931065095				
Layer:	2				
Color:	3				
General Color:	BLUE				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:	77				
Material 2 Desc:	LOOSE				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	18.0				
Formation End Depth:	26.0				
Formation End Depth UOM:	ft				
 <u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931065096				
Layer:	3				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:	73				
Material 2 Desc:	HARD				
Material 3:					
Material 3 Desc:					
Formation Top Depth:	26.0				
Formation End Depth:	170.0				
Formation End Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931065098			
Layer:		5			
Color:		2			
General Color:		GREY			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		73			
Material 2 Desc:		HARD			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		180.0			
Formation End Depth:		181.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931065094			
Layer:		1			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		79			
Material 2 Desc:		PACKED			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		18.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931065097			
Layer:		4			
Color:		6			
General Color:		BROWN			
Material 1:		15			
Material 1 Desc:		LIMESTONE			
Material 2:		80			
Material 2 Desc:		POROUS			
Material 3:					
Material 3 Desc:					
Formation Top Depth:		170.0			
Formation End Depth:		180.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933111946			
Layer:		1			
Plug From:		0.0			
Plug To:		27.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Method Construction ID:		961526759			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10597020			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930084845			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		28.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Construction Record - Casing</u>					
Casing ID:		930084846			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		181.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		BAILER			
Pump Test ID:		991526759			
Pump Set At:					
Static Level:		5.0			
Final Level After Pumping:		25.0			
Recommended Pump Depth:		60.0			
Pumping Rate:		20.0			
Flowing Rate:					
Recommended Pump Rate:		9.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934108507			
Test Type:		Draw Down			
Test Duration:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Test Level:		25.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934392142			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934653076			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		25.0			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934910272			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25.0			
Test Level UOM:		ft			
 <u>Water Details</u>					
Water ID:		933486180			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		178.0			
Water Found Depth UOM:		ft			
<hr/>					
<u>4</u>	1 of 5	W/55.7	99.9 / 1.00	Richcraft Group Of Companies 590 Hazeldean Rd. Ottawa ON K1G 4K1	GEN
 Generator No: ON9617097					
SIC Code: 561799					
SIC Description: ALL OTHER SERVICES TO BUILDINGS AND DWELLINGS					
Approval Years: 2015					
PO Box No:					
Country: Canada					
Status:					
Co Admin:					
Choice of Contact: CO_OFFICIAL					
Phone No Admin:					
Contaminated Facility: No					
MHSW Facility: No					
 <u>Detail(s)</u>					
 Waste Class: 263					
Waste Class Name: ORGANIC LABORATORY CHEMICALS					
 Waste Class: 145					
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
Waste Class:		251			
Waste Class Name:		OIL SKIMMINGS & SLUDGES			
4	2 of 5	W/55.7	99.9 / 1.00	2118356 Ontario Inc. 590 Hazeldean Rd (Part of Lot 29, Concession 11) Ottawa ON K1G 4K1	ECA
Approval No:		9582-AS7MFY		MOE District:	
Approval Date:		2017-10-18		City:	
Status:		Approved		Longitude:	
Record Type:		ECA		Latitude:	
Link Source:		IDS		Geometry X:	
SWP Area Name:				Geometry Y:	
Approval Type:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS			
Project Type:		MUNICIPAL AND PRIVATE SEWAGE WORKS			
Business Name:		2118356 Ontario Inc.			
Address:		590 Hazeldean Rd (Part of Lot 29, Concession 11)			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/7925-AS4JZR-14.pdf			
PDF Site Location:					
4	3 of 5	W/55.7	99.9 / 1.00	2118356 Ontario Inc. 590 Hazeldean Road Part of Lot 29, Concession 11 Ottawa, ON Canada ON	PTTW
EBR Registry No:		019-2059		Decision Posted:	December 30, 2020
Ministry Ref No:		1647-BRAGJ4		Exception Posted:	
Notice Type:		Instrument		Section:	Section 34
Notice Stage:		Decision		Act 1:	Ontario Water Resources Act, R.S.O. 1990
Notice Date:				Act 2:	Ontario Water Resources Act
Proposal Date:		July 10, 2020		Site Location Map:	45.28779,-75.90443
Year:		2020			
Instrument Type:		Permit to take water			
Off Instrument Name:		Permit to Take Water (OWRA s. 34)			
Posted By:		Ministry of the Environment, Conservation and Parks			
Company Name:					
Site Address:		590 Hazeldean Road Part of Lot 29, Concession 11 Ottawa, ON Canada			
Location Other:					
Proponent Name:		2118356 Ontario Inc.			
Proponent Address:		2118356 Ontario Inc. 2280 St. Laurent Boulevard Suite 201 Ottawa, ON K1G 4K1 Canada			
Comment Period:		July 10, 2020 - August 9, 2020 (30 days) Closed			
URL:		https://ero.ontario.ca/notice/019-2059			
Site Location Details:					
4	4 of 5	W/55.7	99.9 / 1.00	2118356 Ontario Inc. 590 Hazeldean Rd Ottawa ON K1G 4K1	ECA
Approval No:		5512-BXWMUG		MOE District:	Ottawa
Approval Date:		2021-02-12		City:	
Status:		Approved		Longitude:	-75.90211
Record Type:		ECA		Latitude:	45.286095
Link Source:		IDS		Geometry X:	
SWP Area Name:		Mississippi Valley		Geometry Y:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 2118356 Ontario Inc. 590 Hazeldean Rd https://www.accessenvironment.ene.gov.on.ca/instruments/2252-BXAQXB-14.pdf			
4	5 of 5	W/55.7	99.9 / 1.00	2118356 Ontario Inc. 590 Hazeldean Rd Ottawa ON K1G 4K1	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Business Name: Address: Full Address: Full PDF Link: PDF Site Location:		6151-C42PJ5 2021-06-17 Approved ECA IDS Mississippi Valley ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS MUNICIPAL AND PRIVATE SEWAGE WORKS 2118356 Ontario Inc. 590 Hazeldean Rd https://www.accessenvironment.ene.gov.on.ca/instruments/0695-C3URDL-14.pdf		MOE District: City: Longitude: Latitude: Geometry X: Geometry Y: Ottawa -75.90211 45.286095 -8449384.2353 5666674.301200001	
5	1 of 1	E/84.3	98.9 / 0.00	no address Kanata ON	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20070614043 C CAN - Custom Report 6/25/2007 6/14/2007 89 Acres		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: South west of Terry Fox Drive and Castlefrank Road Kanata 0.25 -75.893271 45.283577	
6	1 of 1	NNE/119.8	98.9 / 0.00	5618 Hazeldean Rd, 5786&5657 Fernbank Rd, 1489&1545 Shea Rd Ottawa ON	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20080212020 C Custom Report 2/22/2008 2/12/2008 Greater than 500 Acres		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y: Iber Road and Abbott Street East ON 0.25 -75.895363 45.285938	
7	1 of 2	SSE/198.5	100.9 / 2.00	M. Sullivan and Son Ltd 83 Warrior Dr Garrison Petawawa ON	FRST
Tank System ID: EC No: Internal No:		43248 00043248		Tank Sys Prov F: Tank Sys PO BOX: Tank Sys Postal Cd: Ontario	

30 erisinfo.com | Environmental Risk Information Services Order No: 24080700052

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Tanks Details</u>					
Tank ID:	73717			Dt Withdrwn Piping:	4/1/2017
Tank Capacity:	870			Date Remvd Piping:	4/1/2017
Tank Type E:	Aboveground			Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2017			Piping Type E:	Aboveground
Date Withdrawn Tk:	4/1/2017			Piping Type F:	Hors sol
Date Removed Tank:	4/1/2017			Piping Diam Unit:	inch
Tank Desc:	870L Double wall tank and pumping station inside the building for waste anti freeze, tank located outside				
Tank Stdd No E:	ULC-C142.14				
Tank Std No F:	ULC-C142.14				
Tank Std No Other:					
Tank Constr Material E:	Steel				
Tank Constr Material F:	Acier				
Tank Constr Material Other:					
Internal No:					
Tank Content E:	CGSB 3-GP-855, Ethylene Glycol, Uninhibited				
Tank Content F:	CGSB 3-GP-855, éthylène glycol non inhibé				
Tank Content Other:					
Piping Diameter:	1				
Spill Containment E:	Spill box at fill point (aboveground tank)				
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)				
Spill Containment Other:					
Product Transfer Area:	Not designed to contain spills				
Date Withdrwn Other	42826				
Component:					
Date Removed Other	42826				
Component:					
<u>Piping Construction Materials</u>					
Component E:	Polyethylene				
Component F:	Polyéthylène				
Other:					
<u>Piping Construction Materials</u>					
Component E:	Steel				
Component F:	Acier				
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:	73717				
Component E:	None				
Component F:	Aucun				
Other:					
<u>Tank Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					
<u>Piping Corrosion Protection</u>					
Component E:	Painted				
Component F:	Peinturé				
Other:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Tank Leak Detection</u>					
Component E:		Automatic tank gauging			
Component F:		Jaugeage automatique			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Interstitial monitoring - double walled tank			
Component F:		Surveillance interstitielle- réservoir à double paroi			
Other:					
<u>Tank Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Piping Leak Detection</u>					
Component E:		Visual inspection			
Component F:		Inspection visuelle			
Other:					
<u>Piping Leak Detection</u>					
Component E:		Precision leak detection test			
Component F:		Essai d'étanchéité de précision			
Other:					
<u>Sump Leak Detection</u>					
Component E:		No sump for storage tank system			
Component F:		Aucun puisard pour le système de stockage			
Other:					
<u>Tank Secondary Containment</u>					
Component E:		Double Walled			
Component F:		Double paroi			
Other:					
<u>7</u>	2 of 2	SSE/198.5	100.9 / 2.00	Department of National Defence (DND) 83 Warrior Drive Garrison Petawawa ON	FRST
Tank System ID:	43660			Tank Sys Prov F:	Ontario
EC No:	00043660			Tank Sys PO BOX:	
Internal No:				Tank Sys Postal Cd:	
Is Perm Withdrwl:	False			Sys Record City:	
Removed Date:				Sys Record Prov E:	
Withdrawn Date:				Sys Record Prov F:	
Temp Withdrawn Dt:				Sys Record PO BOX:	
Tank Use E:				Sys Rec Postal Cd:	
Tank Use F:				System Rec Same as:	True
Year of Manufact:				Location Latitude:	
Emerg Plan Same as:	True			Location Longitude:	
Operator Contact:	S.19(1)			Creation Date:	42853
Owner Contact:	S.19(1)			Creation By:	S.19(1)
Tank System City:	Garrison Petawawa			Modified Date:	42853

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Tank Sys Prov E:	Ontario			Modified By:	S.19(1)
Tank Use:					
Tank Manufacturer:					
Tank System Address:	83 Warrior Drive				
Sys Record Address:					
System Descr:	M. Sullivan and Son Ltd., Arnprior ON, 2017, 1, Waste Anti Freeze, ULC-S601, 1100L, Received on 2017-04-27, submitted by Morgan Prudham				
Certification System Installer:					
Certification System Remover:					
Group Name:	Department of National Defence (DND)				
Master Group Name:	Department of National Defence (DND)				
Owner Email:	S.19(1)				
Operator Email:	S.19(1)				
Land Owner E:	Third party on federal land				
Land Owner F:	Tiers sur terre fédérale				
 <u>Service Months</u>					
Service Months E:	April				
Service Months F:	Avril				
Service Months E:	August				
Service Months F:	Août				
Service Months E:	June				
Service Months F:	Juin				
Service Months E:	December				
Service Months F:	Décembre				
Service Months E:	May				
Service Months F:	Mai				
Service Months E:	October				
Service Months F:	Octobre				
Service Months E:	February				
Service Months F:	Février				
Service Months E:	September				
Service Months F:	Septembre				
Service Months E:	January				
Service Months F:	Janvier				
Service Months E:	July				
Service Months F:	Juillet				
Service Months E:	March				
Service Months F:	Mars				
Service Months E:	November				
Service Months F:	Novembre				
 <u>Tanks Details</u>					
Tank ID:	74249			Dt Withdrwn Piping:	
Tank Capacity:	1100			Date Remvd Piping:	
Tank Type E:	Aboveground			Tk Type of Pump E:	No oil-water separator
Tank Type F:	Hors sol			Tk Type of Pump F:	Aucun Séparateur huile-eau
Date of Install:	2017			Piping Type E:	Aboveground
Date Withdrawn Tk:				Piping Type F:	Hors sol
Date Removed Tank:				Piping Diam Unit:	inch
Tank Desc:	1100L double walled tank and pumping station for waste anti freeze. Tank is located outside the building with pump				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Stdd No E:				station inside.	
Tank Std No F:				ULC-S601	
Tank Std No Other:				ULC-S601	
Tank Constr Material E:				Steel	
Tank Constr Material F:				Acier	
Tank Constr Material Other:					
Internal No:					
Tank Content E:				CGSB 3-GP-855, Ethylene Glycol, Uninhibited	
Tank Content F:				CGSB 3-GP-855, éthylène glycol non inhibé	
Tank Content Other:					
Piping Diameter:				1	
Spill Containment E:				Spill box at fill point (aboveground tank)	
Spill Containment F:				Boîte de confinement de déversement au site de remplissage (réservoir hors sol)	
Spill Containment Other:					
Product Transfer Area:				N/A	
Date Withdrwn Other					
Component:					
Date Removed Other					
Component:					
<u>Piping Construction Materials</u>					
Component E:				Steel	
Component F:				Acier	
Other:					
<u>Piping Secondary Containment</u>					
Tank ID:				74249	
Component E:				None	
Component F:				Aucun	
Other:					
<u>Tank Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Piping Corrosion Protection</u>					
Component E:				Painted	
Component F:				Peinturé	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Interstitial monitoring - double walled tank	
Component F:				Surveillance interstitielle- réservoir à double paroi	
Other:					
<u>Tank Leak Detection</u>					
Component E:				Visual inspection	
Component F:				Inspection visuelle	
Other:					
<u>Tank Leak Detection</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Component E: Automatic tank gauging Component F: Jaugeage automatique Other:					
<u>Piping Leak Detection</u>					
Component E: Visual inspection Component F: Inspection visuelle Other:					
<u>Sump Leak Detection</u>					
Component E: No sump for storage tank system Component F: Aucun puisard pour le système de stockage Other:					
<u>Tank Secondary Containment</u>					
Component E: Double Walled Component F: Double paroi Other:					
<u>8</u>	1 of 4	E/229.9	98.9 / 0.00	Mattamy (Fernbank) Limited 570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	ECA
Approval No: 1350-A6QM2B Approval Date: 2016-02-04 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Fernbank) Limited Address: 570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8227-A5UKLL-14.pdf PDF Site Location:					
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:					
<u>8</u>	2 of 4	E/229.9	98.9 / 0.00	Mattamy (Fernbank) Limited 570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	ECA
Approval No: 2971-AEDNDE Approval Date: 2016-10-12 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Fernbank) Limited Address: 570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2232-AEAGSR-14.pdf PDF Site Location:					
MOE District: Ottawa City: Longitude: -75.89206 Latitude: 45.283698 Geometry X: Geometry Y:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	3 of 4	E/229.9	98.9 / 0.00	Mattamy (Fernbank) Limited 570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Ottawa ON K2K 2M5	ECA
Approval No: 1983-AG5PQD Approval Date: 2016-12-13 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Fernbank) Limited Address: 570 Hazeldean Rd Lot 29, Concession 11 (JD Barnes M-Plan) Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5943-ADZL34-14.pdf PDF Site Location:					
8	4 of 4	E/229.9	98.9 / 0.00	Mattamy (Fernbank) Limited 570 Hazeldean Rd Lot 29, Concession 11, Goulbourn Ottawa ON K2K 2M5	ECA
Approval No: 6261-B89JKF Approval Date: 2019-01-11 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Mississippi Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Business Name: Mattamy (Fernbank) Limited Address: 570 Hazeldean Rd Lot 29, Concession 11, Goulbourn Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6224-B7UTZ3-13.pdf PDF Site Location:					

Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
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Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. **Note:** Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System:

Provincial [AMIS](#)

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Apr 2024

Anderson's Waste Disposal Sites:

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Apr 30, 2024

Borehole:

Provincial [BORE](#)

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval:Provincial [CA](#)

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:Federal [CDRY](#)

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks:Provincial [CFOT](#)

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors:Private [CHEM](#)

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register:Private [CHM](#)

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Apr 30, 2024

Compressed Natural Gas Stations:Private [CNG](#)

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -May 2024

Inventory of Coal Gasification Plants and Coal Tar Sites:Provincial [COAL](#)

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:Provincial [CONV](#)

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

Government Publication Date: 1989-May 2024

Certificates of Property Use:Provincial [CPU](#)

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Jun 30, 2024

Drill Hole Database:

Provincial

[DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks:

Provincial

[DTNK](#)

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry:

Provincial

[EASR](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval). Please see our ECA database.

Government Publication Date: Oct 2011-Jun 30, 2024

Environmental Registry:

Provincial

[EBR](#)

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Jun 30, 2024

Environmental Compliance Approval:

Provincial

[ECA](#)

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011-Jun 30, 2024

Environmental Effects Monitoring:

Federal

[EEM](#)

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

[EHS](#)

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Mar 31, 2024

Environmental Issues Inventory System:

Federal

[EIIS](#)

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022**Environmental Penalty Annual Report:**

Provincial

EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2023**List of Expired Fuels Safety Facilities:**

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023**Federal Convictions:**

Federal

FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007***Contaminated Sites on Federal Land:**

Federal

FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Jun 2024**Fisheries & Oceans Fuel Tanks:**

Federal

FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019**Federal Identification Registry for Storage Tank Systems (FIRSTS):**

Federal

FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: Oct 31, 2021**Fuel Storage Tank:**

Provincial

FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic:

Provincial

FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: 2013-Dec 2022

TSSA Historic Incidents:

Provincial

HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations:

Private

MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2024

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003***National PCB Inventory:**

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008***National Pollutant Release Inventory 1993-2020:**

Federal

NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020**National Pollutant Release Inventory - Historic:**

Federal

NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017**Oil and Gas Wells:**

Private

OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-May 31, 2024**Ontario Oil and Gas Wells:**

Provincial

OOGW

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

Government Publication Date: 1800-Aug 2023**Inventory of PCB Storage Sites:**

Provincial

OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013**Orders:**

Provincial

ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Jun 30, 2024

Canadian Pulp and Paper:

Private

PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011-Jun 30, 2024

NPRI Reporters - PFAS Substances:

Federal

PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handlers from NPRI:

Federal

PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents:

Provincial

PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing is an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial

PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Jun 30, 2024

Ontario Regulation 347 Waste Receivers Summary:

Provincial

REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition:

Provincial

RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2024

Retail Fuel Storage Tanks:

Private

RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-Apr 30, 2024

Scott's Manufacturing Directory:

Private

SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

SPL

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests. This database includes spill incidents that occurred in Mar 2023-Mar 2024, May 2024 in addition to those listed in the Government Publication Date.

Government Publication Date: 1988-Jan 2023; see description

Wastewater Discharger Registration Database:

Provincial

SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks:

Private

TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal

TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks:

Provincial

VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial

[WDS](#)

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011-Jun 30, 2024**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Provincial

[WDSH](#)

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30th, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990***Water Well Information System:**

Provincial

[WWIS](#)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Dec 31 2023

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS



PATERSON GROUP

solution oriented engineering



Jesse Andrechek, P.Eng., QPESA Project Manager - Environmental

Jesse joined Paterson Group in 2019 as part of the Environmental and Geotechnical Division. Jesse has received his Advanced Diploma in Civil Engineering Technology from St. Lawrence College in 2016, as well as his Bachelor of Applied Science in Civil Engineering from Queen's University in 2019. In his time with Paterson, Jesse has been involved primarily in residential and commercial developments across Ontario, where he conducted Phase I and II Environmental Site Assessments (ESAs) to MECP and CSA standards, assisted in the filing of records of site condition (RSCs), managed excess soils investigations, supervised environmental remediation programs to CSA, CCME, and MECP standards, and conducted environmental and geotechnical subsurface investigations. His scope of work consists of environmental investigation, reporting, and recommendations, field inspections, soil and groundwater sampling, supervising the remediation of contaminated sites, and ensuring compliance to applicable regulatory standards.

EDUCATION

Bachelor of Applied Science, Civil Engineering
2019
Queen's University
Kingston, Ontario

Civil Engineering Technology, Advanced Diploma
2016
St. Lawrence College
Kingston, Ontario

LICENCE/ PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

YEARS OF EXPERIENCE

With Paterson: 5

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- 930 Carling Avenue – Former Sir John Carling Building (Ottawa Hospital New Civic Campus) - Supplemental Phase II ESA, Site Remediation, and RSC (in progress)
- 1040 Somerset Street West, Ottawa, ON – Phase I ESA, Phase II ESA, Site Remediation, and RSC
- Tunney's Pasture – Various Parcels, Ottawa, ON – Phase I ESA, Phase II ESA, RSC (in progress)
- 200 Baribeau Street, Ottawa, ON - Phase I ESA, Phase II ESA, Site Remediation, and RSC
- 52 Scarsdale Road, Toronto, ON – Supplemental Phase II ESA and Site Remediation
- 6371 Perth St, Richmond – Phase I ESA, Supplemental Phase II ESA, Site Remediation, and RSC
- 667 Bank Street, Ottawa, ON – Phase I and II ESA
- 359 Kent Street, 436 and 444 McLaren Street, Ottawa, ON – Phase I and II ESA
- Gardiners Road, Kingston, ON – Phase I ESA, Phase II ESA and Remediation Supervision
- 668 Regional Road 17, Clarington, ON – Geotechnical Investigation
- Soil, Water, and Sediment Sampling – Various Sites
- Slope Stability Surveys and Seismic Shear-Wave Velocity Surveys – Various Sites, Ottawa

PROFESSIONAL EXPERIENCE

2019 to present, **Project Manager - Environmental, Paterson Group, Ottawa, Ontario**

- Carry out Phase I - Environmental Site Assessments (ESAs) to CSA, CCME, and O.Reg. 153/04 Standards.
- Carry out Phase II - Environmental Site Assessments (ESAs) and supplemental Phase II ESAs to CSA, CCME, and O.Reg. 153/04 Standards;
- Preparation and submission of Records of Site Condition to O.Reg. 153/04 Standards;
- Assist with the preparation of Due Diligence Risk Assessments (DDRA);
- Assist with the preparation of Tier II and Tier III Risk Assessments to O.Reg. 153/04 Standards;
- Supervise and manage Soil and Groundwater Remediation Programs to CSA, CCME, and O.Reg. 153/04 Standards;
- Conduct Excess Soil Investigations, and prepare related reporting, documentation, and recommendations for soil transport to meet O.Reg. 406/19 Standards and for due diligence purposes.
- Carry out Reuse Site Assessments and provide recommendations for the beneficial importation of excess soil to O.Reg. 406/19 Standards;
- Preparation of Proposals and Fee Estimates for various environmental services;
- Manage contractors and field personnel to ensure soil and groundwater quality control;
- Present analytical test results, interpretations, assessments, recommendation and/or conclusions in technical reporting and verbal and written communication with clients;
- Oversee geotechnical and environmental field investigations for borehole drilling and test pit excavation;
- Conduct settlement surcharge surveys, settlement plate installations, slope stability surveys, seismic shear-wave velocity surveys, topographic surveys, and geotechnical subsurface investigations, including sensitive clay deposits;



PATERSON GROUP

solution oriented engineering



Mark S. D'Arcy, P.Eng., QP_{ESA} **Director – Environmental Division**

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

EDUCATION

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

LICENCE/PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

ESA Qualified Person with MECP

Ontario Society of Professional Engineers

Consulting Engineers of Ontario

YEARS OF EXPERIENCE

With Paterson: 33

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario (Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavigne (Senior Project Manager)
- Block D Lands – Brownfields Project - Kingston

PROFESSIONAL EXPERIENCE

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

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

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

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