

Phase I Environmental Site Assessment

Vacant Land, Part of of 3700 Twin Falls Place

Ottawa, Ontario

Prepared for Gastops Inc.

Report: PE6677-1
November 4, 2024



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EXECUTIVE SUMMARY

Paterson Group was retained by Gastops Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for Part of 3700 Twin Falls Place 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 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property was used for agricultural purposes and 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 primarily agricultural and residential purposes.

No PCAs were identified with the current or historical uses of the Phase I Property or neighbouring properties within the Phase I Study Area.

The surrounding lands in the Phase I Study Area consist primarily of future development land and commercial/institutional land.

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 Gastops Inc., Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I-ESA) for Block 2 of the vacant land addressed 3700 Twin Falls Place (Employment Lands), 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 250 m 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. Darryl Hood of CSV Architects., who can be reached by telephone at 613-564-8118 Ext. 115.

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: Part of 3700 Twin Falls Place (City of Ottawa).

Location: The Phase I Property is located on the west side of Limebank Road, south of the intersection of Leitrim Road and Limebank Road, in the City of Ottawa, Ontario. Refer to Figure 1 – Key Plan, appended to this report.

Latitude and Longitude: 45°17'39.07"N 75°40'32.91"W.

Site Description:

Configuration: Irregular

Area: 2.5 ha (approximately)

Zoning: DR (Block 2 of 3700 Twin Falls Place, Lot 16) –
Development Reserve Zone

IL (Block 2 of 3700 Twin Falls Place, Lot 17) – Light
Industrial Zone

Current Use: The Phase I Property currently consists of vacant and agricultural land.

Services: The Phase I Property is located within an area of private and public services.

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 approximately 250 m 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 was never developed and has been vacant land used for intermittent agricultural purposes since before 1976.

City of Ottawa Street Directories

City Directories for the area of the Phase I Property were reviewed in approximate 10-year intervals from 1950 to 2010 (latest available date). The Phase I Property was not listed in the directories for any of the years reviewed prior to 2010. Properties in the Phase I Study Area were listed as residential use.

No Potentially Contaminating Activities were identified on any properties within the Phase I Study Area.

Fire Insurance Plans

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

Plan of Survey

A survey plan of the Phase I Property, prepared by Annis, O'Sullivan, Vollebekk Ltd. was reviewed as part of this assessment. 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 gathered from other sources, such as personal interviews and aerial photographs, satisfies the objectives of the records review.

4.2 Environmental Source Information

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 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 former waste disposal sites within 500 m 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. 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 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. 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 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. 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 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 6, 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.

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.

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

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 subject property and a response from the City of Ottawa was received on October 31, 2024. A review of the provided records did not identify any potential concerns.

A copy of the HLUI response is included 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.

The ERIS report identified 3 records for the Phase I Property. The records include Certificates of Approval (CAs), previous ERIS searches, and well records, none of which were considered to be a concern.

A total of 13 records from various databases were identified in the ERIS search within the 250 m search radius, 10 of which were unplottable sites. The records included Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs), Ontario Regulation 347 Waste Generator Summaries, previous ERIS searches, well records, and an Ontario spills record.

One (1) spill was identified in the Phase I Study Area which consisted of an oil spill of 3L located closest to the intersection between Limebank and Leitrim Road. The spill was noted as being cleaned. Due to the low volume (3L or less), the distance from the Phase I Property, and the fact that it was cleaned, this spill is not considered to pose an environmental risk to the Phase I Property.

Certificates of Approval (CAs) and Environmental Compliance Approvals (ECAs) found for the Phase I Study Area were comprised of sewer and water works applications.

The ERIS report identified four (4) waste generator sites within the Phase I study area. Three of the four sites are attributed to Limebank Station, south of Earl Armstrong Road, and the last generator is located in the plaza south of the subject site near the intersection between Limebank and Spratt Road. The waste classes identified were all under “other specified organics”. The waste generators identified in the ERIS report are not considered to pose an environmental concern to the subject site.

The remaining records are not considered to pose an environmental risk to the Phase I Property.

A copy of the ERIS report is included in Appendix 2.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the City of Ottawa’s mapping website geoOttawa, and reviewed in approximate ten-year intervals, beginning with the earliest available photograph. Based on a review of these photographs, the following observations have been made:

1965	The Phase I property appears to be agricultural land (i.e., undeveloped). Surrounding properties are primarily agricultural with a few neighbouring farmsteads. Due to limited aerial imagery, the western half of the site is not visible.
1976	No changes to the subject site or immediately adjacent ones are visible. A residence has been built at civic address 4260 Limebank Road further to the southeast.
1991	No significant changes are apparent on-site or within the study area.
2002	No changes to the subject site or immediately adjacent ones are visible.

2011 No changes to the subject site or immediately adjacent ones are visible. The residence on the property at 4260 Limebank Road has been demolished.

2022 No significant changes are apparent on-site or within the study area.

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 sandstone and dolomite of the March Formation. Surficial soils were identified to consist of marine deposits, with a drift thickness of 15 to 25 metres.

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 90 m above sea level, while the regional topography within the greater area is generally sloping gradually down to the west, towards the Rideau 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 150 m 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 Rideau River, located approximately 1.7 km to the west.

MECP Water Well Records

A search of the MECP website for all drilled well records within a 250 m radius of the Phase I Property, was conducted as part of this assessment. No well records were identified on the Phase I Property. The search identified 1 well record within the Phase I Study Area.

This record pertains to a well that was abandoned on January 25th, 2007, after being installed on November 24th, 2006. The record indicates that the well was never used. According to the well record, the overburden stratigraphy in the vicinity of the Phase I Property generally consists of silty clay from 0 m to 7 m. No mention of bedrock exists on the record. The aforementioned well record is included in Appendix 2.

5.0 INTERVIEWS

Property Owner Representative

Mr. Marcel Denomme of Urbandale was available by email to respond to questions regarding the environmental history of the Phase I Property.

Mr. Denomme stated that he was unaware of any storage tanks or spills on the property. When asked about imported material, Mr. Denomme also indicated that he was unaware of any non-native soil or fill material that had been imported onto the site. When asked about any potential contaminating activities that may have occurred on the subject property, Mr. Denomme responded by claiming that the site had only been used for crop farming purposes, and that he did not think any contaminating activities had occurred.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted for the Phase I Property on August 13, 2024, between approximately 1:15 PM and 2:30 PM. Weather conditions were clear, with a temperature of approximately 28°C. Mr. Carson de Ridder 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 site topography is relatively flat with occasional knolls, while the regional topography appears to slope down towards the southwest, in the general direction of the Rideau River.

Water drainage on the Phase I Property occurs via infiltration and surface runoff towards the southwest.

Ponded water was observed on the subject site. It appears that the site is undergoing preliminary grading and site development activities, which seems to have disturbed the soil enough to create the potential for ponded water.

No 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.

The Phase I Property consists of vacant, undeveloped land, with no tree coverage and overgrown vegetation. Several rudimentary gravel construction roadways are present when entering the site, leading to pathways of disturbed soil that lead to other blocks of the future projects encompassing the entire site property. On the westernmost edge of the property, grading has been occurred to construct the new Gastops Road. No buildings or structures are present on the Phase I Property.

A depiction of the Phase I Property is illustrated on Drawing PE6677-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

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

No 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 sub-surface 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:

<i>North:</i>	Vacant land followed by the intersection of Limebank & Leirim Road and agricultural land;
<i>South:</i>	The intersection of Limebank & Spratt Road followed by a small commercial plaza and institutional building;
<i>East:</i>	Limebank Road followed by agricultural and vacant land;
<i>West:</i>	Grading for the upcoming Gastops Road shared by Block 2 and 3, followed by agricultural land followed by residential dwellings.

Based on our site visit, no potential environmental concerns were identified with the neighbouring properties.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE6677-2 – 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 intermittently from at least 1976 to 2022, although the nearby farmstead was demolished around the year 2005.

Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities were identified with the historical and current use of the Phase I Property or neighboring properties in 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 sandstone and dolomite of the March Formation, with surficial geology consisting of till and offshore marine sediments (clay and silt) with an overburden thickness of 15 to 25 m.

Groundwater is anticipated to flow in a south to south-westerly direction towards the Rideau 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 Rideau River, located approximately 1.7 km to the west.

Drinking Water Wells

Based on the nature of the Phase I Property, drinking water wells are expected to not be present within the property, however some are expected to be present in 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 vacant or intermittent agricultural use. The future use of the Phase I Property is to be determined.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist primarily of Agricultural or Other Use (vacant lots/future development land) and institutional and commercial use.

Current land use is depicted on Drawing PE6677-2 – 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 in the Phase I Study Area. As such, no Areas of Potential Environmental Concern were identified 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 Gastops Inc. to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for Part of 3700 Twin Falls Place. The purpose of this Phase I ESA was to research the past and current use of the site (Phase I Property) and 250 m study area (Phase I Study Area) and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has been used for agricultural purposes commencing prior to 1976. The Phase I Property occasionally is the host of crop farming for agricultural purposes but 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 primarily agricultural purposes or are vacant land/future developments themselves.

No PCAs were identified with the current use of the site or in the Phase I Study Area.

The surrounding lands in the Phase I Study Area consist primarily of agricultural land, institutional land, future development land and residential use land. No concerns were identified with their use.

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.**

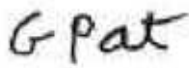
9.0 STATEMENT OF LIMITATIONS

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 TBD. Permission and notification from TBD and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.



Grant Paterson, Technologist.



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



Report Distribution:

- ☐ Gastops Inc.
- ☐ 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.

Public Information Sources

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

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6677-1 – SITE PLAN

DRAWING PE6677-2 – SURROUNDING LAND USE PLAN

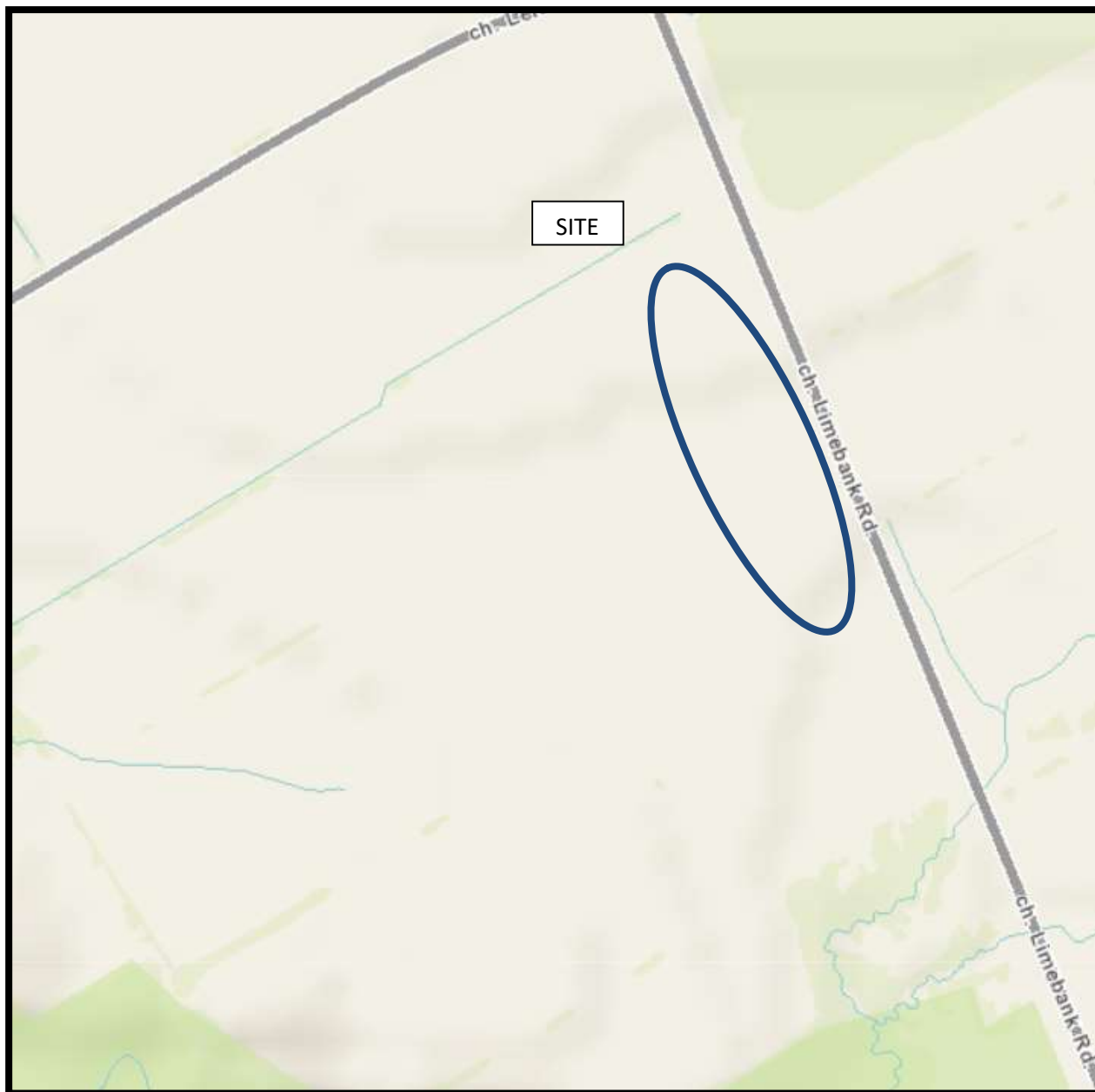


FIGURE 1
KEY PLAN

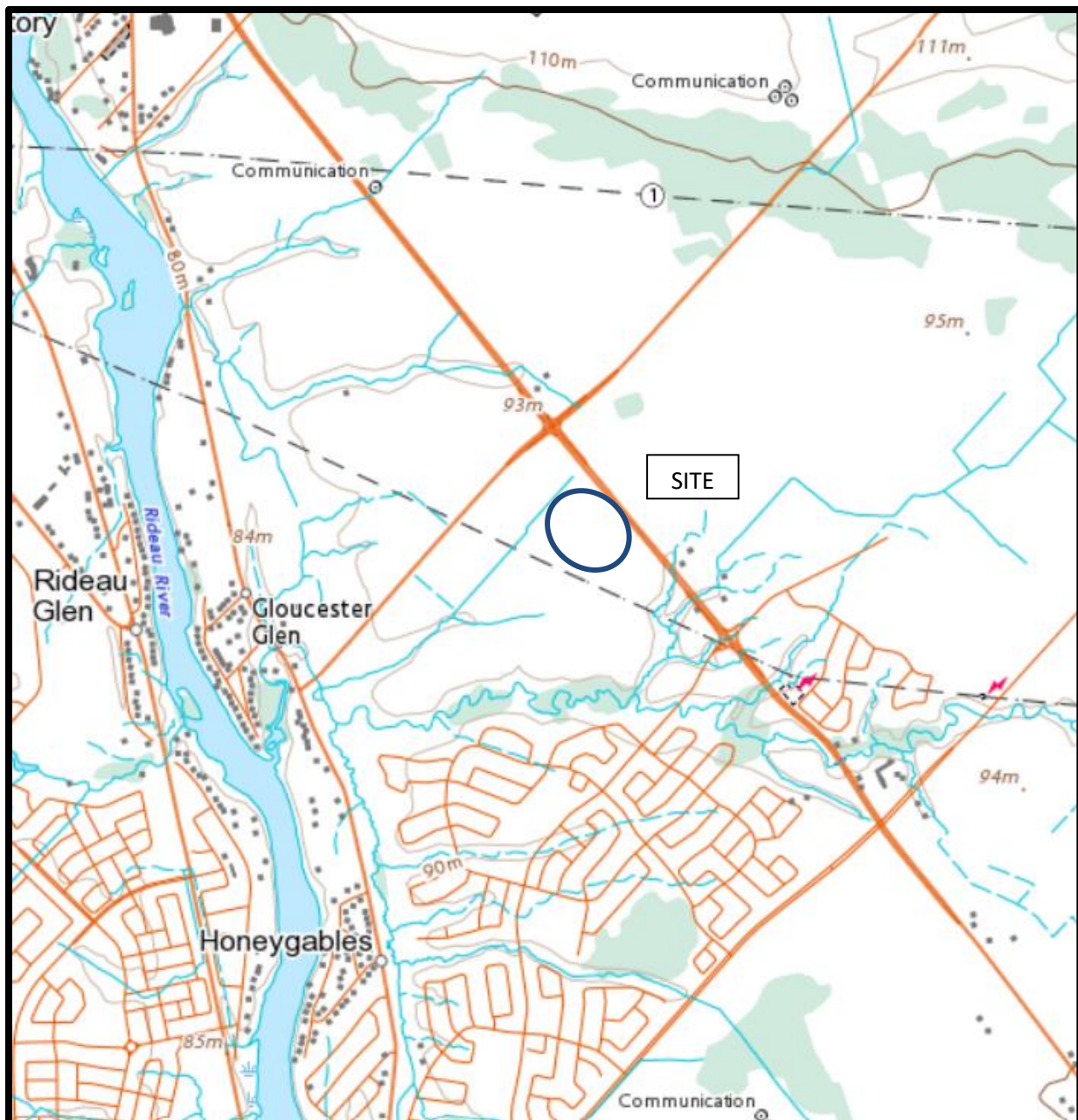
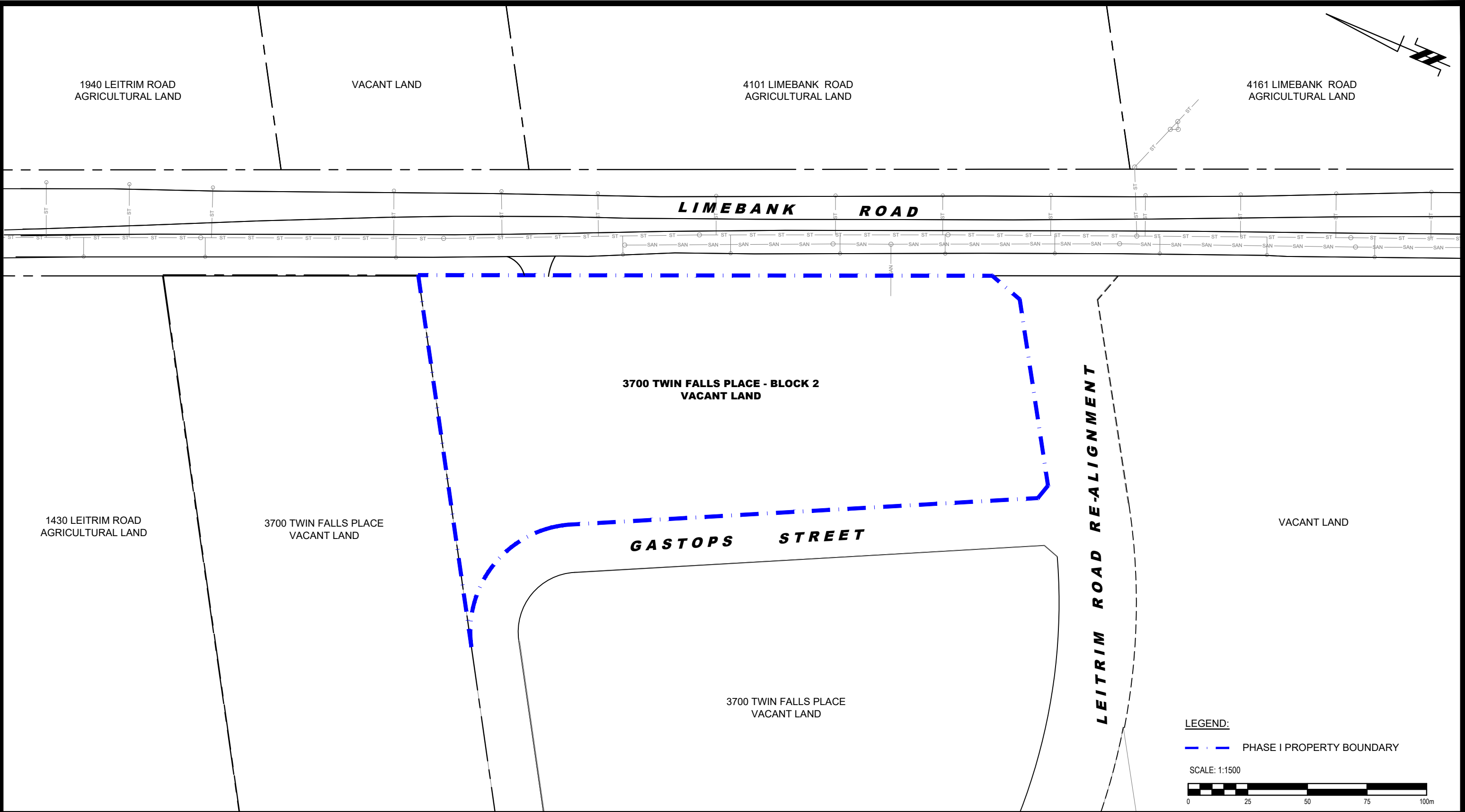


FIGURE 2
TOPOGRAPHIC MAP





9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

GASTOPS C.O. CSV

PHASE I - ENVIRONMENTAL SITE ASSESSMENT

3700 TWIN FALLS PLACE - BLOCK 2

OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale:	1:1500	Date:	11/2024
Drawn by:	GK	Report No.:	PE6677-1
Checked by:	GP	Dwg. No.:	PE6677-1
Approved by:	MSD	Revision No.:	

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0 50 100 150 200 250m

Revision No.:



NO.	REVISIONS	DATE	INITIAL

OTTAWA,
Title:

APPENDIX 1

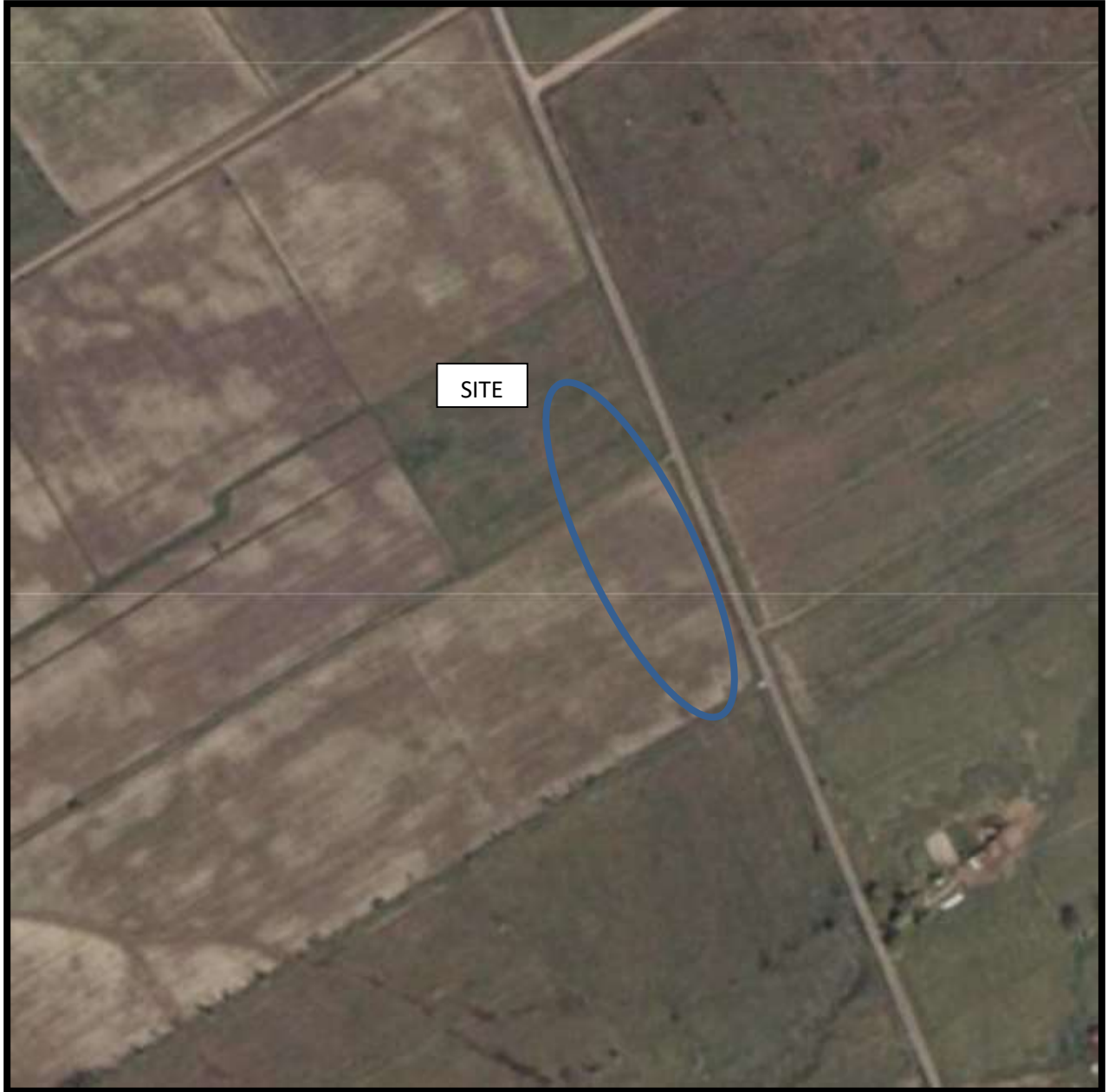
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

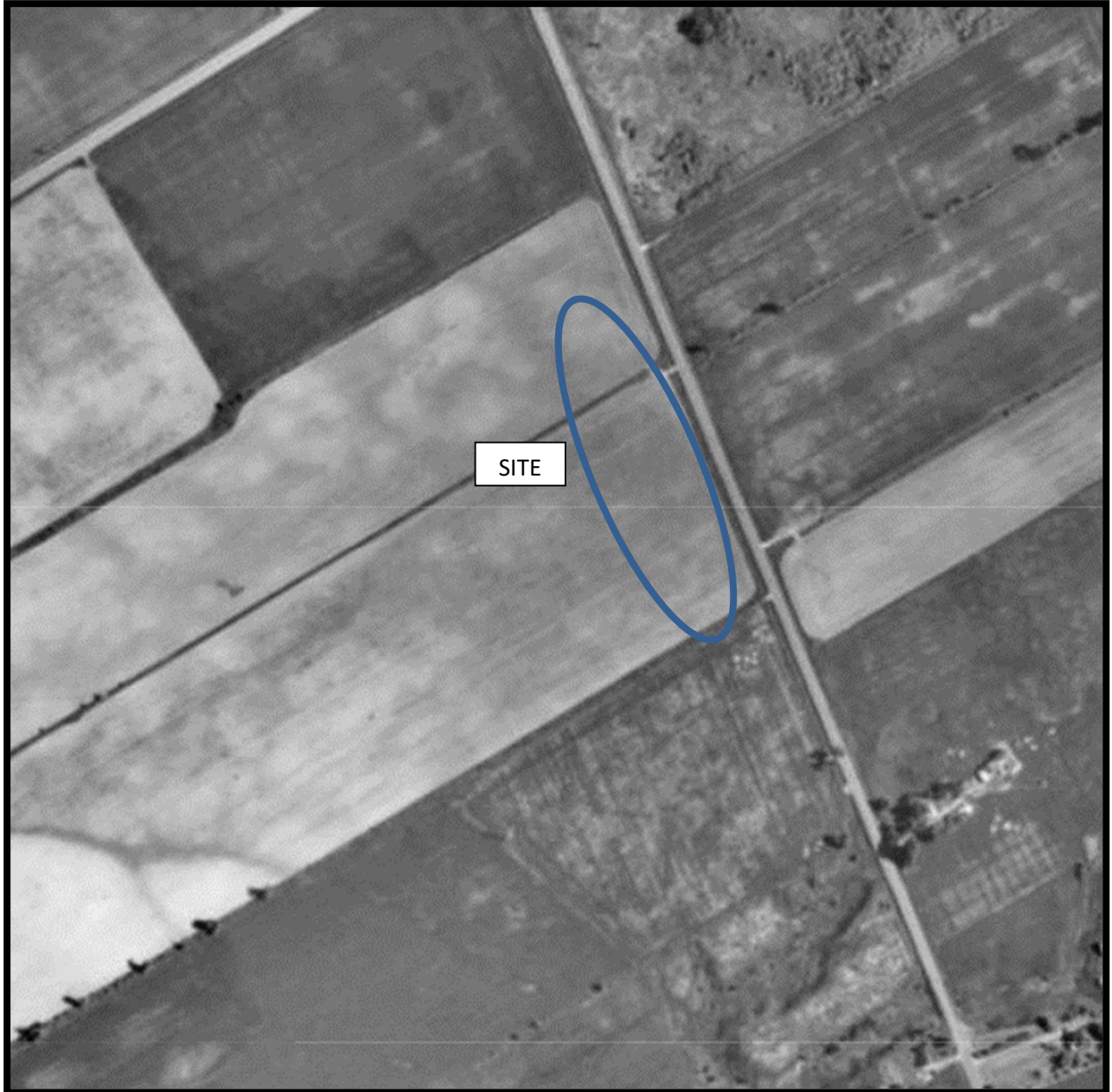
PLAN OF SURVEY



AERIAL PHOTOGRAPH
1965



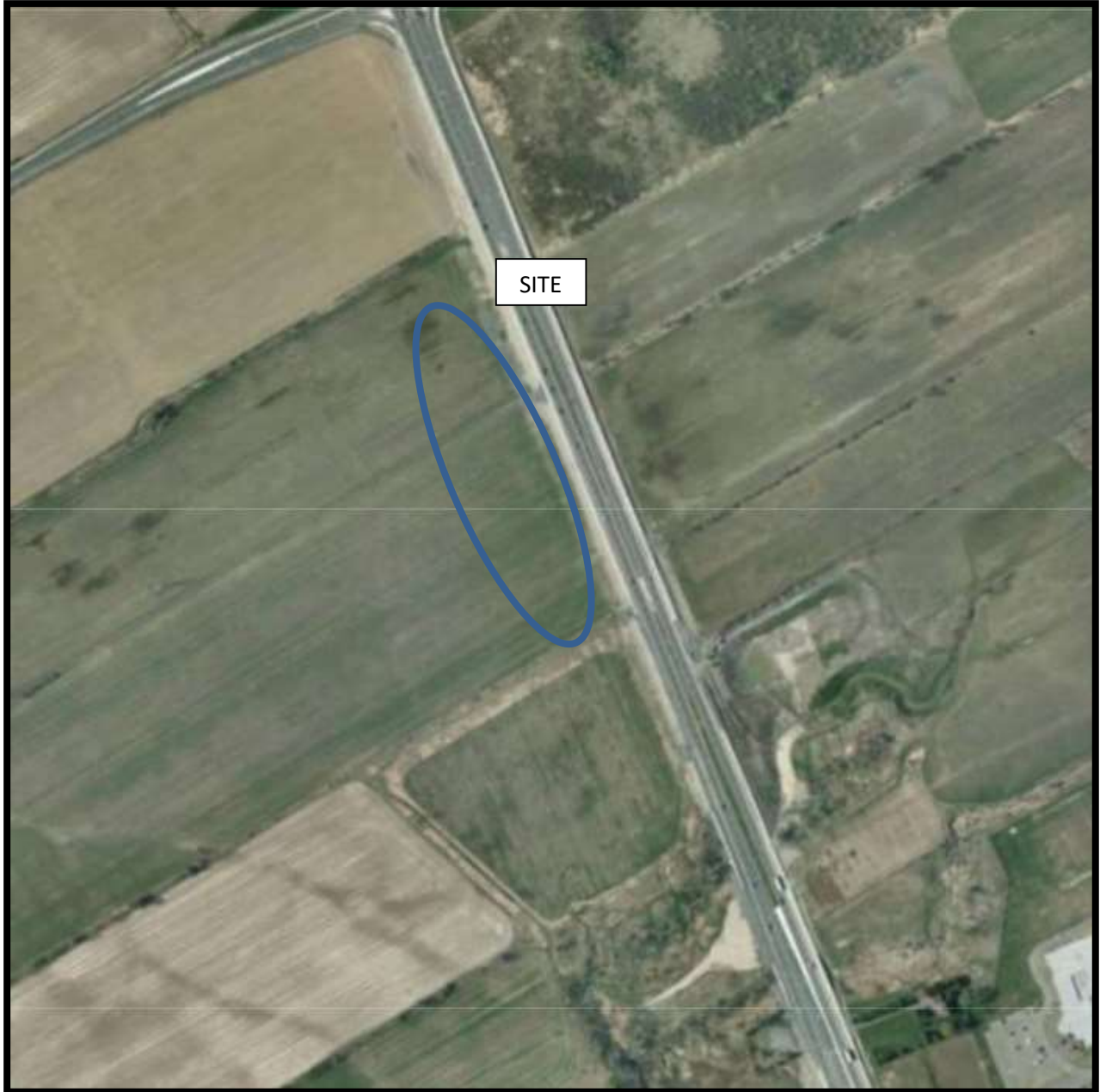
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1976



AERIAL PHOTOGRAPH
1991



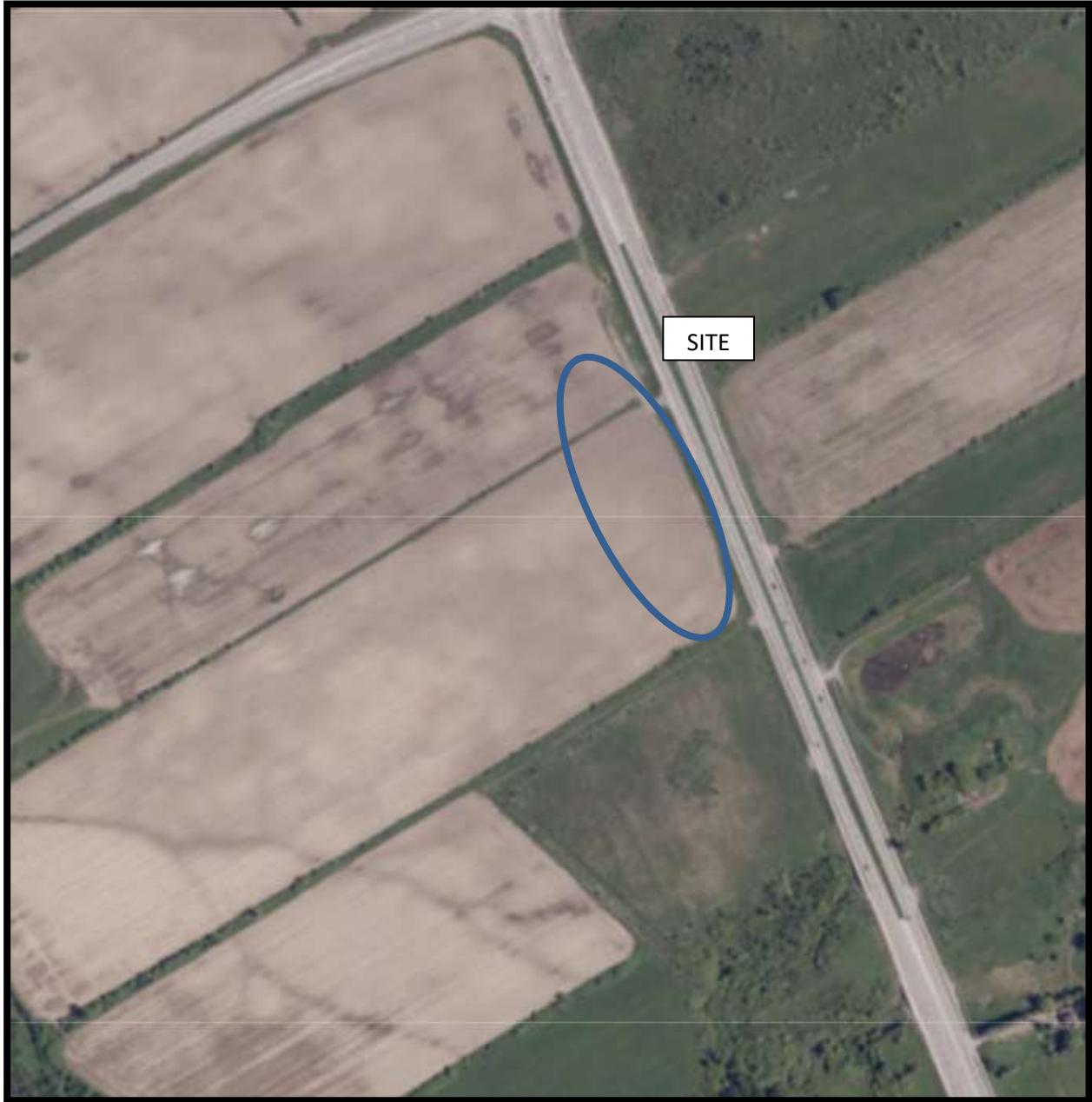
AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2021



AERIAL PHOTOGRAPH
2022

Site Photographs

PE6677

Part of 3700 Twin Falls Place, Ottawa ON

August 19, 2024



Photograph 1: View of northeastern entrance to Block 2 of the Phase I Property.



Photograph 2: View from the eastern edge of the Phase I Property.

Site Photographs

PE6677

Part of 3700 Twin Falls Place, Ottawa ON

August 19, 2024



Photograph 3: View of southeastern portion of the Phase I Property.



Photograph 4: View of southeastern portion of the Phase I Property that better highlights the western edge's grading.

Site Photographs

PE6677

Part of 3700 Twin Falls Place, Ottawa ON

August 19, 2024



Photograph 5: View of northwestern portion of the Phase I Property.



Photograph 6: View of the western edge of the Phase I Property at a distance.

Site Photographs

PE6677

Part of 3700 Twin Falls Place, Ottawa ON

August 19, 2024



Photograph 7: View of southwestern portion of the Phase I Property.



Photograph 8: View of northeastern portion of the Phase I Property.

APPROVED UNDER SECTION 51 OF THE PLANNING ACT
BY THE CITY OF OTTAWA.
THIS _____ DAY OF _____, 20____

VIVI CHI, INTERIM GENERAL MANAGER
PLANNING, REAL ESTATE AND ECONOMIC
DEVELOPMENT DEPARTMENT
CITY OF OTTAWA

PLAN 4M-

I CERTIFY THAT THIS PLAN
IS REGISTERED IN THE LAND REGISTRY OFFICE
FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON NO. 4
AT _____ O'CLOCK ON THE _____ DAY OF _____
AND ENTERED IN THE PARCEL REGISTER FOR
PROPERTY IDENTIFIERS _____

AND THE REQUIRED CONSENTS ARE REGISTERED AS
PLAN DOCUMENT NO. _____

REPRESENTATIVE FOR LAND REGISTRAR

This plan comprises part of PINs 04331-4099 and 04331-4008.

Block 1: Subject to easement Inst.'s GL42390, GL50431 and OC978816.
Block 2: Subject to easement Inst.'s GL50431, OC978816 and OC1234454.
Block 3: Subject to easement Inst.'s GL42390 and GL42445.
Block 8: Subject to easement Inst. GL50431.
Block 9: Subject to easement Inst.'s GL50431, OC978816 and OC1234454.
Rue Gastops Street: Subject to easement Inst. GL42390.
Promenade Mosquito Drive: Subject to easement Inst.'s GL42390, GL42445 and OC1234454.

PLAN OF SUBDIVISION OF
PART OF LOTS 16 and 17
CONCESSION 1 (RIDEAU FRONT)
Geographic Township of Gloucester
CITY OF OTTAWA
Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 1500

60 45 30 15 0 30 60 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:

- 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.
- The survey was completed on the 15th day of April, 2024.

Date _____ T. Hartwick
Ontario Land Surveyor

This plan of survey relates to AOLS Plan Submission Form Number V-75409

OWNER'S CERTIFICATE PIN 04331-4099

THIS IS TO CERTIFY THAT:

- Blocks 1 to 7, both inclusive, the Streets, namely, rue Gastops Street and Part of promenade Mosquito Drive and the Reserves, namely, Blocks 8 and 9 have been laid out in accordance with our instructions.
- The Streets are dedicated to City of Ottawa as public highways.

Dated the _____ day of _____, 2024 Marcel Denomme
Authorized Signing Officer
Riverside South Development Corp.
I have authority to bind the corporation.

OWNER'S CERTIFICATE PIN 04331-4008

THIS IS TO CERTIFY THAT:

- Part of the Street, namely, part of promenade Mosquito Drive has been laid out in accordance with our instructions.
- The Street is dedicated to City of Ottawa as public highway.

Dated the _____ day of _____, 2024 Marcel Denomme
Vice President of Land Development
Urbandale Corporation
I have authority to bind the corporation.

NOTES AND LEGEND

□	denotes	Survey Monument Planted
■	"	Survey Monument Found
SIB	"	Standard Iron Bar
SSIB	"	Short Standard Iron Bar
IB	"	Iron Bar
(AOG)	"	Annis, O'Sullivan, Vollebekk Ltd.
(PI)	"	Plan 4R-23271
(P2)	"	Plan 4R-24816
(P3)	"	Plan 4R-8033
(P4)	"	(AOG) Plan dated June 20, 2022
PWF	"	Post and Wire Fence
o UP	"	Utility Pole
o AN	"	Anchor
C/	"	Calculated Per

All planted monument are SSIB's unless otherwise noted.

Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.99994.

Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations on reference points A and B, shown hereon, having a bearing of N85°53'10"W and are referenced to Specified Control Points 01919791338 and 01919791649, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

For comparison purposes, a rotation of 0°35'00" counter-clockwise was applied to bearings on Plan P3.

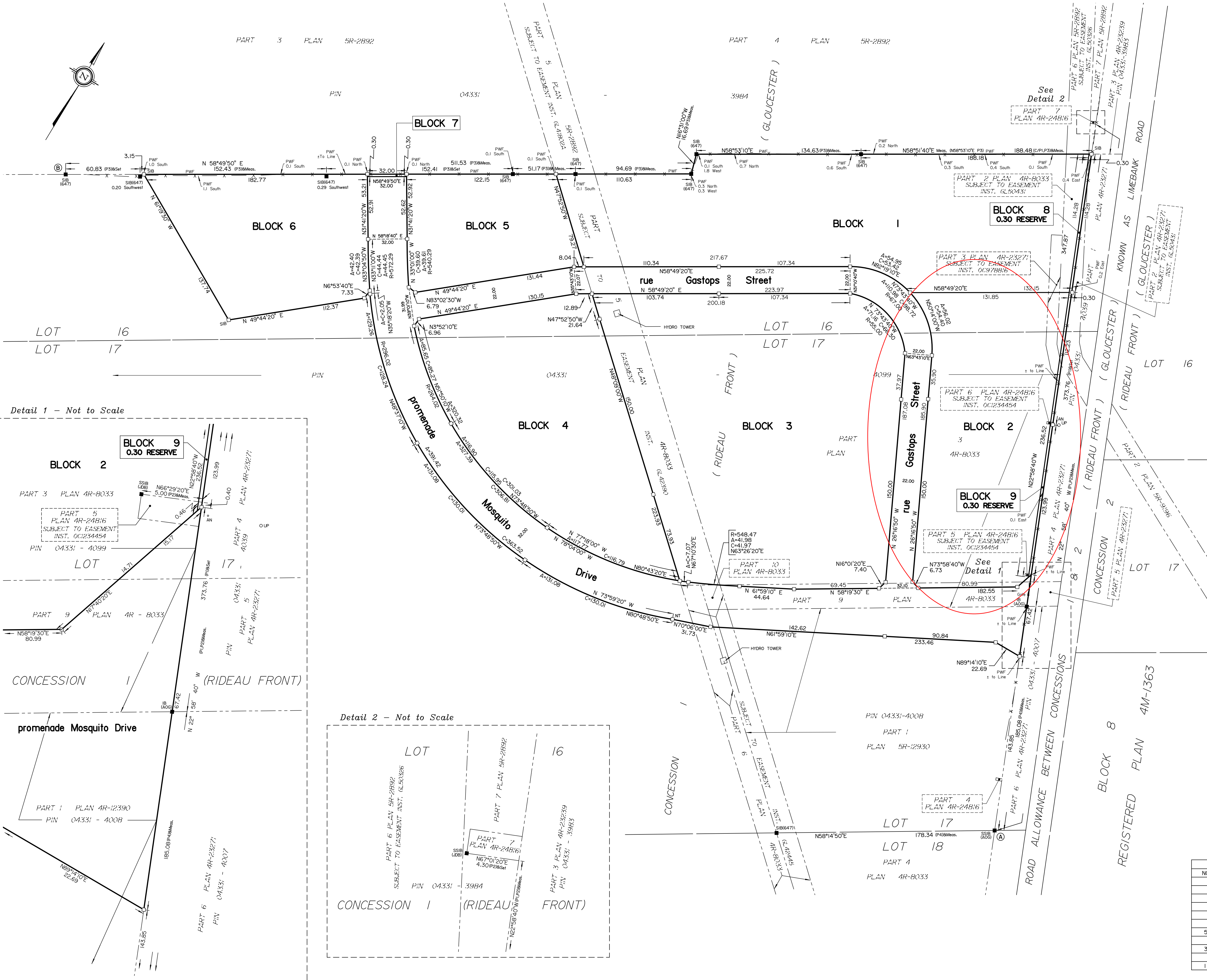
Coordinates are derived from Can-Net 2016 Real Time Network GPS observations referenced to Specified Control Points 01919791338 and 01919791649, MTM Zone 9 (76°30' West Longitude) NAD-83 (original).

Coordinate values are to urban accuracy in accordance with O. Reg. 216/10.

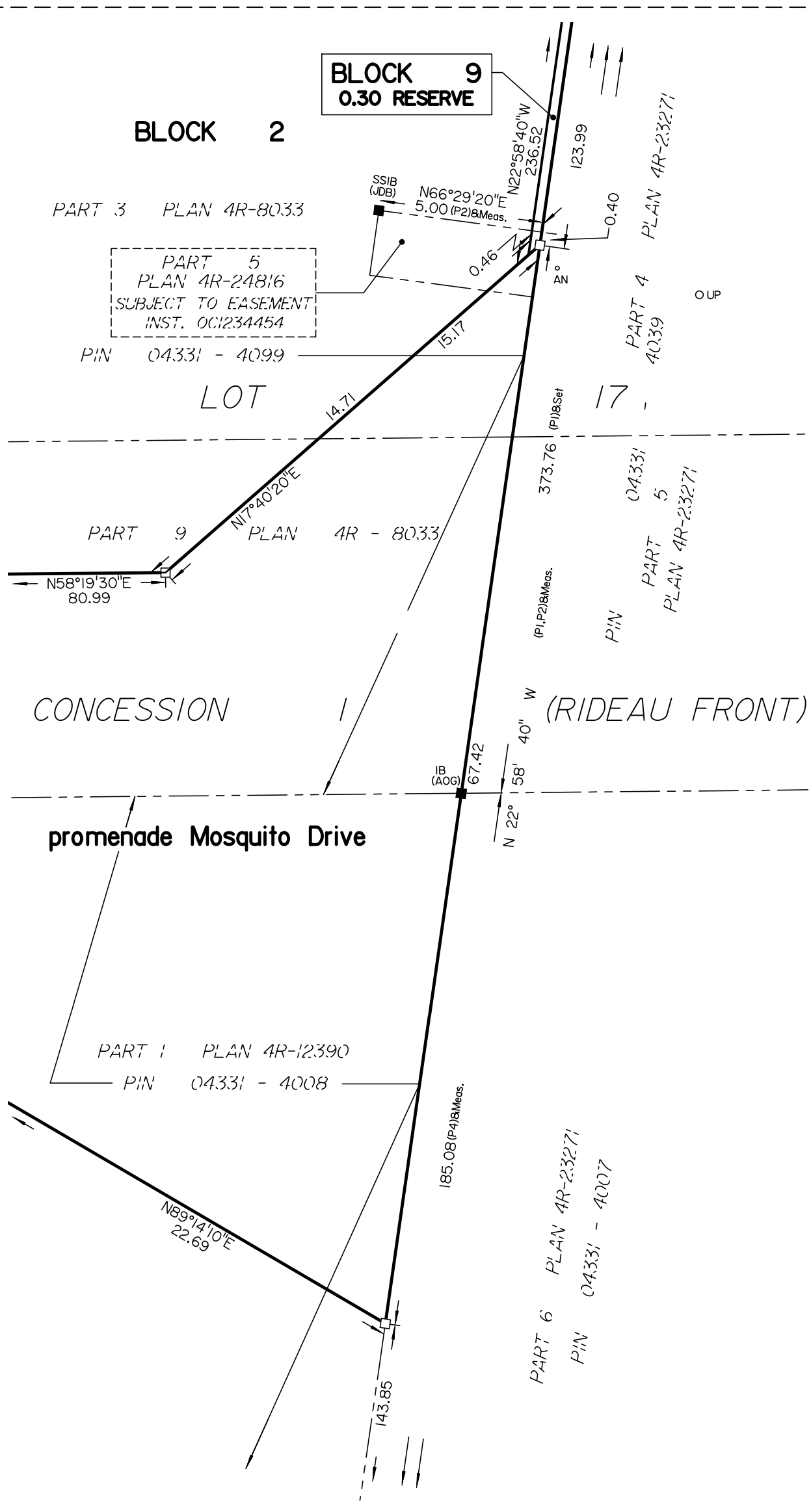
01919791338	Northing	5008055.96	Easting	346140.91
01919871649	Northing	5007189.87	Easting	372435.05
Point A	Northing	5017197.15	Easting	369805.42
Point B	Northing	5017263.87	Easting	368677.89

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

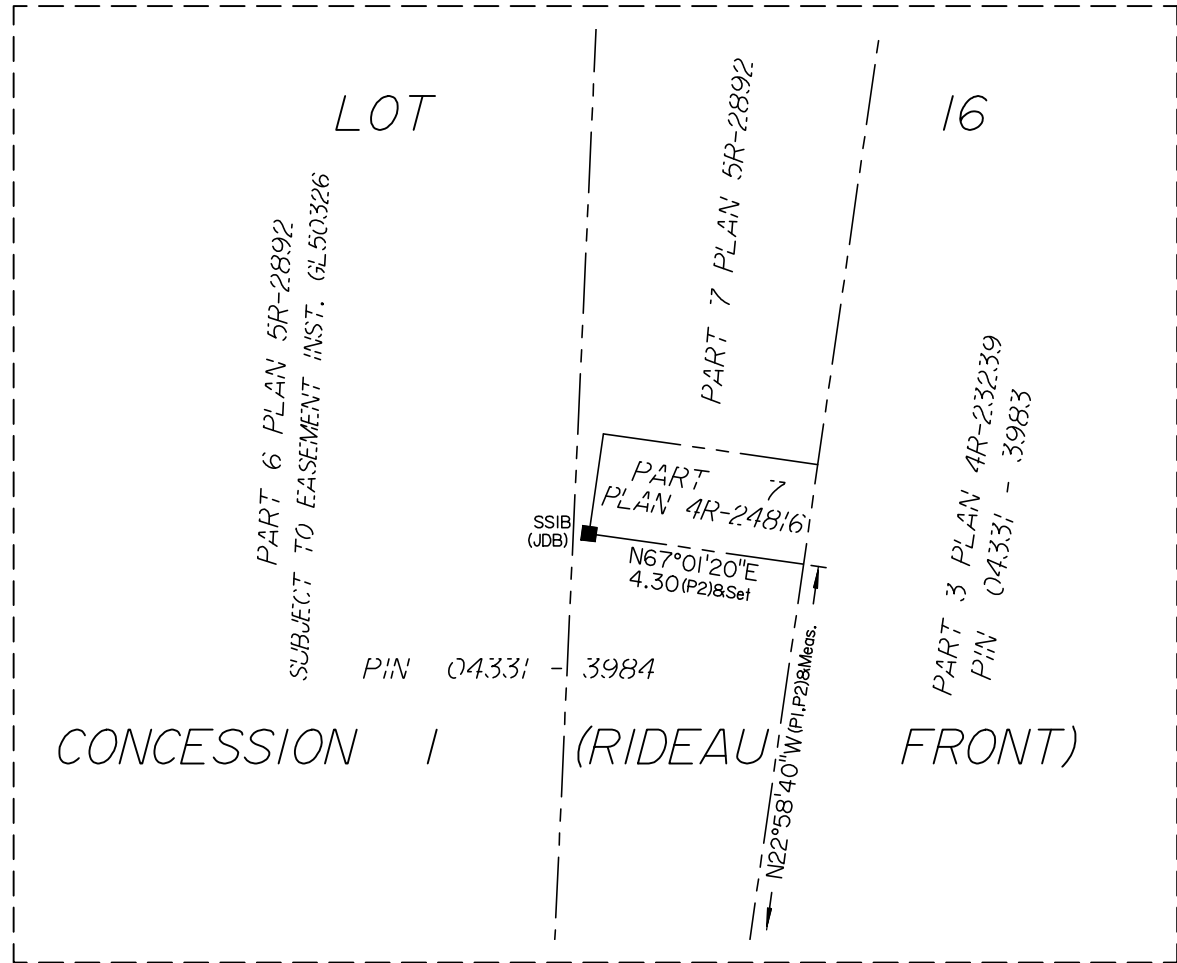
ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovent.com
Ontario Land Surveyors Job No. 22256-23, Urbandale PI Lts 16-17, CI RF GL SUB D5 1SW



Detail 1 - Not to Scale



Detail 2 - Not to Scale



REVISION SCHEDULE			
NO.	REVISION	DATE	BY
5	BLK 1 / 2 LIMIT REVISED	APR. 23, 2024	N
3	BLK 1 / 2 LIMIT REVISED	MAR. 26, 2024	N
1	PLAN PREPARED	2023	??

APPENDIX 2

MECP FREEDOM OF INFORMATION REQUEST

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS DATABASE REPORT

Ministry of the Environment,
Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

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

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2



August 6, 2024

Carson de Ridder
Paterson Group
9 Auriga Drive
Ottawa, Ontario K2E 7T9
cderidder@patersongroup.ca

Dear Carson de Ridder:

RE: **MECP FOI A-2024-05088 / Your Reference PE6677 –
Acknowledgement Letter**

The Ministry is in receipt of your request made pursuant to the Freedom of Information and Protection of Privacy Act. **The search will be conducted on the following:**

3700 Twin Falls Place (Lots 16 & 17 Conc 1), Gloucester, Ottawa

Timeframe: January 1st, 1986, to August 6th, 2024

If there is any discrepancy, please contact us immediately.

Please note the file number that has been assigned to your request. This number should be referred to in all future communications with our office.

If you have any questions, please contact Maham Imtiaz at
maham.imtiaz@ontario.ca.

Yours truly,
MECP Access and Privacy Office

Ministry of the Environment, Conservation and Parks

Freedom of Information Request for Property Information

Instructions

Use this form to:

- submit and pay for a new FOI request for access to records/information about a property
- pay for a deposit or a final fee on an existing FOI request

Fields marked with an asterisk (*) are mandatory.

Are you: *

- ☒ Submitting a new FOI Request for Property Information
- ☐ Paying a deposit or final fee for an existing FOI Request for Property Information

Section 1 – Description of Records Requested

Time Period for Records Requested

From (yyyy/mm/dd) *

To (yyyy/mm/dd) *

1986/01/01

2024/08/06

Type of Record(s) *

- ☒ All environmental records relating to the identified property/site exclusive of Environmental Approvals and Registrations
- ☒ Environmental Approvals and Registrations (e.g. Environmental Compliance Approvals; Certificate of Approval; Renewable Energy Approvals; Environmental Activity and Sector Registry Registrations)

Select only if you are seeking access to an Approval or Registration that is not publicly available or if you are also seeking supporting documents relating to the Approval or Registration.

Operator and vendor Pesticide Licenses from September 4, 2018, final Approvals and Registrations are publicly available on the Access Environment website at:

<https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en>.

Records of Site Condition (RSC) records are publicly available on the Brownfields Environmental Site Registry (BSER).

- RSC records between 2004 to June 30, 2011 are available at:
<https://www.lrcsde.lrc.gov.on.ca/besrWebPublic/generalSearch>
- RSC records filed after July 2011 are available at:
https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/earchFiledRsc_search?request_locale=en

☐ Other Specific Document(s)

Type of Approval/Registration *

- ☒ Drinking Water Licenses
- ☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents
- ☒ Pesticide Licenses

Only pesticide licenses post September 2018 are available. Prior to September 2018, only Pesticide license applications and supporting documentation is available

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Permits to Take Water

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

Water Source *

☒ Groundwater ☒ Surface Water

☒ Noise Vibrations Approvals/Registrations

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Air Emissions Approvals/Registrations

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Water Approvals/Registrations - Ontario Water Resources Commission, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster), mains

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Sewage – Treatment, Stormwater, Storm, Leachate & Lieachate Treatment & Sewage pump stations, Sanitary

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Waste Water - Industrial discharge

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Waste Sites - Disposal, Landfill sites, Transfer stations, Processing sites, Incinerator sites

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

☒ Waste Management Systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, Polychlorinated Biphenyls (PCBs) storage, transfer or destruction, Waste Generator Systems)

☐ No Supporting Documents ☒ All Supporting Documents ☐ Some Supporting Documents

Company Name

☒ Waste Generator Registration - number/class

List any record(s) that should be excluded from the scope of your request (e.g. email correspondences; records originating from your organization/business; records already in your possession, prior year(s) annual reports for approvals)

Please provide any additional relevant information relating to your request. For example, does your request relate to any other ministry business? Please note that this information is being requested only in order to provide contextual information to the Access and Privacy Office and will not in any way affect or expedite the status of any related ministry business identified.

Section 2 – Requester Information

Last Name *

de Ridder

First Name *

Carson

Middle Initial

A

Business/Organization Name (if applicable or indicate "N/A") *

Paterson Group

Project/Reference Number (if applicable)

PE6677

Are you submitting this request on behalf of a client? *

☒ Yes ☐ No

Please upload an authorization/consent form from your client in Section 6 (Supporting Documentation)

Name of Client

Last Name *

Hood

First Name *

Darryl

Business/Organization Name (if applicable or indicate "N/A") *

CSV Architects

Mailing Address

Unit Number

Street Number *

9

Street Name *

Auriga Drive

PO Box

City/Town *

Ottawa

Province *

ON

Postal Code *

K2E 7T9

Telephone Number *

613-226-7381

ext.

Email Address *

cderidder@patersongroup.ca

Is there an alternate contact (e.g. office admin)? *

☐ Yes ☒ No

Section 3 – Current Property Address Information

Is the property a:

☐ Park ☐ Lake ☐ First Nation Band ☐ Wind Farm ☐ Federal Land ☐ Island ☐ Unsurveyed Land

Are you requesting information about multiple addresses? *

☐ Yes ☒ No

Property Address

Unit Number

Street Number

3700

Street Name

Twin Falls Place

Full Lot Number

Lots 16 & 17

Concession

1

Geographic Township

Gloucester

City/Town/Village *

Ottawa

Closest Intersection

Limebank & Spratt

Section 4 – Previous Property Address Information

Do you want the ministry to search all prior historical addresses for this property/site for the time period of the records requested? *

☐ Yes ☒ No

Section 5 – Owner Information

Please provide all present and previous property owner and/or tenant names for the search years requested.

Current Property Owner/Tenant

3700 Twin Falls Place
Lot Lots 16 & 17 Conc 1 Gloucester
Ottawa

Owner Name

CSV Architects

Date of Ownership (yyyy/mm/dd)

Tenant Name

Section 6 – Supporting Documents

Please attach an authorization/consent form.

Please upload any documents (e.g. Maps) that are relevant to your FOI request.

The total size of all attachments must not be more than 8 MB.

1. File Name

MAP_SCREENSHOT.PNG

Total File Size

3.17 MB

Payment confirmation number: 30057816

Instructions for Completing Form

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

Ministry Use Only

Address or well Location (County/District/Municipality)

Township

Lot 2

Concession	
------------	--

RR#/Street Number/Name

City/Town/Village

[illegible]

GPS Reading

NAD

Zone

Eastin

[illegible]

Northind

Unit Make/Model

Mode of Operation:

☐ Undifferentiated ☒ Advanced

Log of Overburden and Bedrock Materials (see instructions)

[illegible]

Hole Diameter		
Depth	Metres	Diameter
From	To	Centimetres
0	7.62	121.92

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

After test of well yield, water was

☐ Clear and sediment free

☐ Other, specify _____

Chlorinated ☒ Yes ☐ No[illegible]

Casing			
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized			

Screen			
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete	Slot No.	
	<input type="checkbox"/> Galvanized		

[illegible]

Test of Well Yield				
Pumping test method	Draw Down		Recovery	
	Time min	Water Level Metres	Time min	Water Level Metres
Pump intake set at - (metres)	Static Level			
Pumping rate - (litres/min)	1		1	
Duration of pumping _____ hrs + _____ min	2		2	
Final water level end of pumping _____ metres	3		3	
Recommended pump type _____ <input type="checkbox"/> Shallow <input type="checkbox"/> Deep	4		4	
Recommended pump depth. _____ metres	5		5	
Recommended pumping rate. _____ (litres/min)	10		10	
	15		15	
If flowing give rate - _____ (litres/min)	20		20	
	25		25	
If pumping discontin- ued, give reason. _____	30		30	
	40		40	
	50		50	
	60		60	

Plugging and Sealing Record			<input type="checkbox"/> Annular space	<input checked="" type="checkbox"/> Abandonment
Depth set at - Metres		Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	
From	To			
0	6.75	Clean CLAY	5 c.m	
6.75	7.62	Benseal Hole plug Bentonite	8 BAG	

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

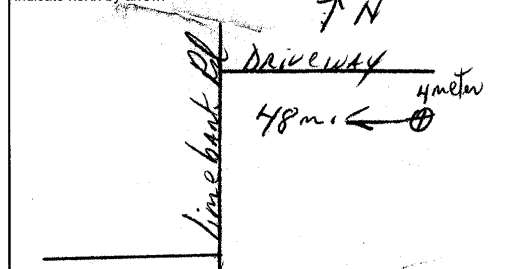
Water Use			
<input type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation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

Final Status of Well			
<input type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input checked="" type="checkbox"/> Abandoned, (Other) <i>not in use</i>
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor <i>Raymond Pump & well</i>	Well Contractor's Licence No. <i>7260</i>
Business Address (street name, number, city etc.) <i>17 main st. St. Albert Ont.</i>	
Name of Well Technician (last name, first name) <i>Jacques Raymond</i>	Well Technician's Licence No. <i>T-0264</i>
Signature of Technician/Contractor <i>[Signature]</i>	Date Submitted yyyy <i>2006</i> MM <i>13</i> DD <i>18</i>

Location of Well

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



Audit No. z 52538	Date Well Completed <div> <div>YYYY</div> <div>MM</div> <div>DD</div> </div> 2006 11 24
Was the well owner's information package delivered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Delivered <div> <div>YYYY</div> <div>MM</div> <div>DD</div> </div> 2006 11 23

Ministry Use Only									
Data Source					Contractor				
Date Received					Date of Inspection				
YYYY MM DD JAN 25 2007					YYYY MM DD				
Remarks					Well Record Number				

Carson de Ridder

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Tuesday, August 6, 2024 12:43 PM
To: Carson de Ridder
Subject: RE: PE6677 - Records Search Request

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: Carson de Ridder <cderidder@patersongroup.ca>
Sent: Tuesday, August 6, 2024 10:02 AM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: PE6677 - Records Search Request

[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.

Hi,

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, Ontario:

Limebank Rd: 4460, 4101, 4161, 4209, 4260, 4269, 4469

Leitrim Rd: 1430

Twin Falls Pl: 3700

Spratt Rd: 3740

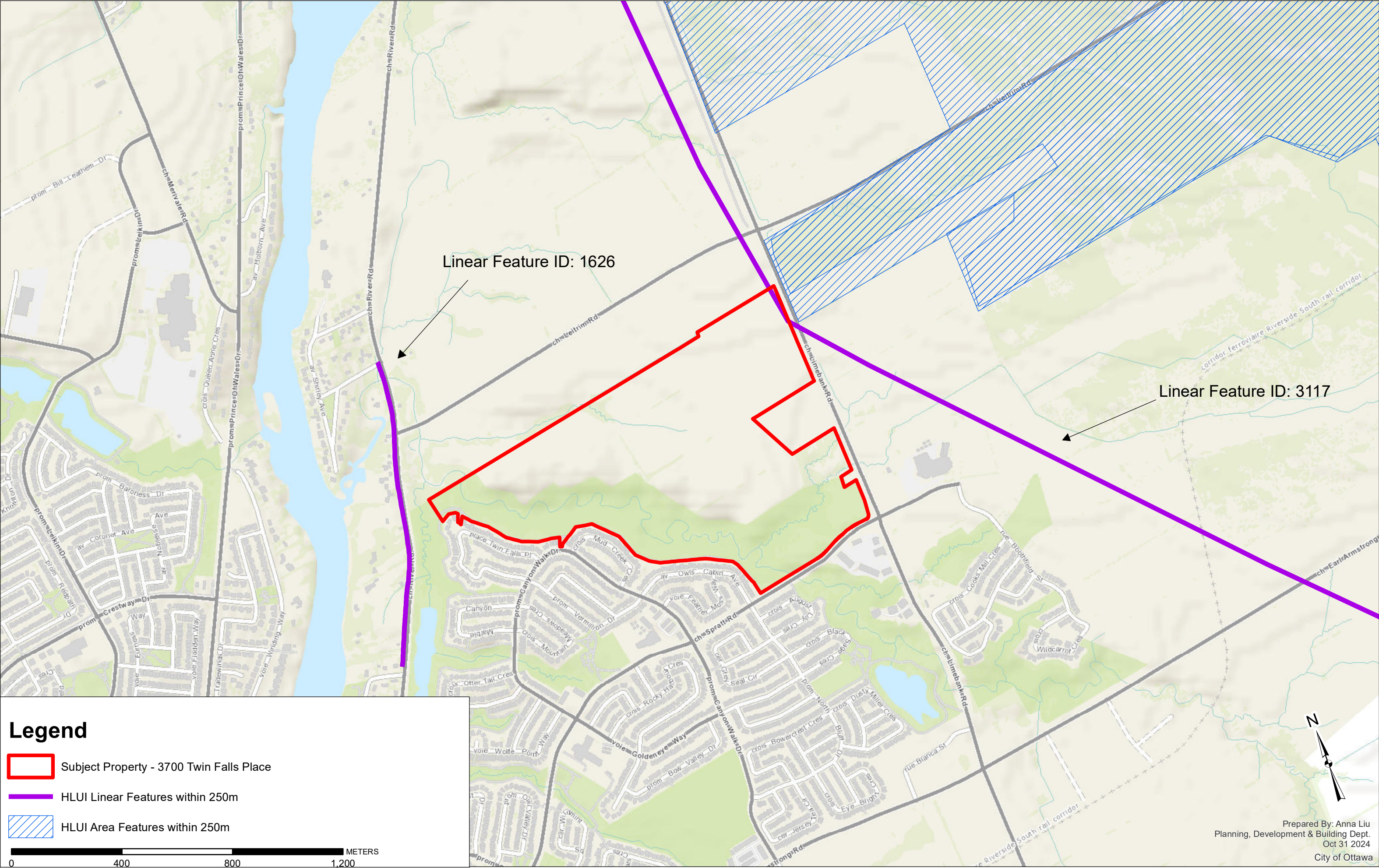
Thanks,



CARSON DE RIDDER
Student Intern
Environmental Division
TEL: (613) 226-7381
ext. N/A
DIRECT: (613) 200-
7724
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

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

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP





File Number: D06-03-23-0096

October 31, 2024

Grant Paterson
Paterson Group Inc.

Sent via email GPaterson@patersongroup.ca

Dear Grant Paterson,

**Re: Information Request
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 (ERU) has a Phase I Environmental Site Assessment for this property (Paterson, 2022). Please contact ERU-UAE@ottawa.ca to obtain a copy of the report if required.
- **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 were found for this property.
- **Solid Waste Services:** No records were found for this property.

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the [Overview and User Guide.](#)

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,

Anna Liu

Student Planner

Development Review

Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-23-0096

HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM
13907	CFB UPLANDS, OTTAWA INTERNATIONAL AIRPORT	CFB Uplands, Ottawa International Airport	1941-Topo; 1957-Topo; 1979-Topo	1	1941-1979		
11892	FED-NATIONAL RESEARCH COUNCIL	Public administration	2006-ES; 2012-ES	1	2006-2012	2006; ES 20	1901

HLUI SUMMARY REPORT
AREA FEATURES

ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS
RESEARCH	RD			505	BREADNER	BLVD			43310310	GLOUCESTER	911910		

HLUI SUMMARY REPORT
AREA FEATURES

STORAGE_TANK	Shape_Length	Shape_Area
	21055495.61	28999.27758
	2049309.911	9598.916968

HLUI SUMMARY REPORT
LINEAR FEATURES

OBJECTID	SOURCE	FEATURE	YEAR	COMMENT	NAME	Shape_Length
3117	Trans Northern Pipeline	Pipeline				44910.39



DATABASE REPORT

Project Property:	<i>Phase 1 ESA 3700 Twin Falls Place Gloucester ON K1V 1W6</i>
Project No:	<i>PE6677</i>
Report Type:	<i>Quote - Custom-Build Your Own Report</i>
Order No:	<i>24080600318</i>
Requested by:	<i>Paterson Group Inc.</i>
Date Completed:	<i>August 9, 2024</i>

Environmental Risk Information Services

A division of Glacier Media Inc.

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Executive Summary

Property Information:

Project Property: *Phase 1 ESA
3700 Twin Falls Place Gloucester ON K1V 1W6*

Project No: *PE6677*

Order Information:

Order No: *24080600318*

Date Requested: *August 6, 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	1	1
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	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	1	1
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	0	0
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	0	0
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	0	0
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	0	1	1

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
		Total:	0	3	3

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
--------------------	-----------	--------------------------	----------------	---------------------	--------------------------	------------------------

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>1</u>	EHS		Limebank Rd - Riverside South Ottawa ON	S/109.6	-1.00	<u>13</u>
<u>2</u>	WWIS		4209 LIMEBANK ROAD OTTAWA ON <i>Well ID:</i> 7040010	SE/219.0	-1.00	<u>13</u>
<u>2</u>	CA	Ottawa-Carleton Catholic School Board	4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON	SE/219.0	-1.00	<u>14</u>

Executive Summary: Summary By Data Source

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA 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>
Ottawa-Carleton Catholic School Board	4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON	219.0	<u>2</u>

EHS - ERIS Historical Searches

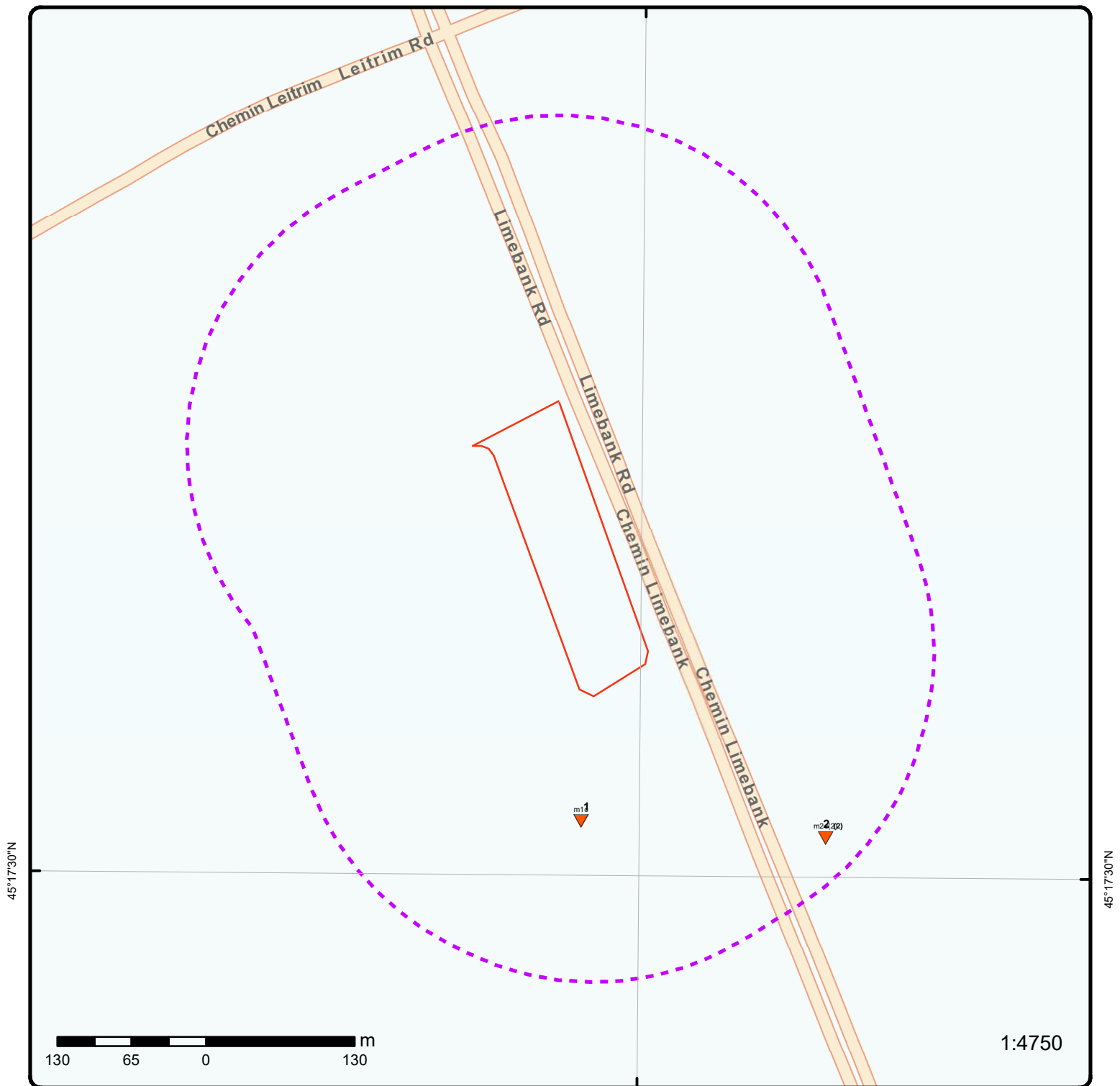
A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Limebank Rd - Riverside South Ottawa ON	109.6	<u>1</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 1 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>
	4209 LIMEBANK ROAD OTTAWA ON	219.0	<u>2</u>
	Well ID: 7040010		



Map: 0.25 Kilometer Radius

Order Number: 24080600318

Address: 3700 Twin Falls Place, Gloucester, 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°40'30"W

45°18'N

45°18'N



Aerial

Year: 2023

Order Number: 24080600318

Address: 3700 Twin Falls Place, Gloucester, ON

Source: ESRI World Imagery



© ERIS Information Limited Partnership

75°42'W

75°40'30"W

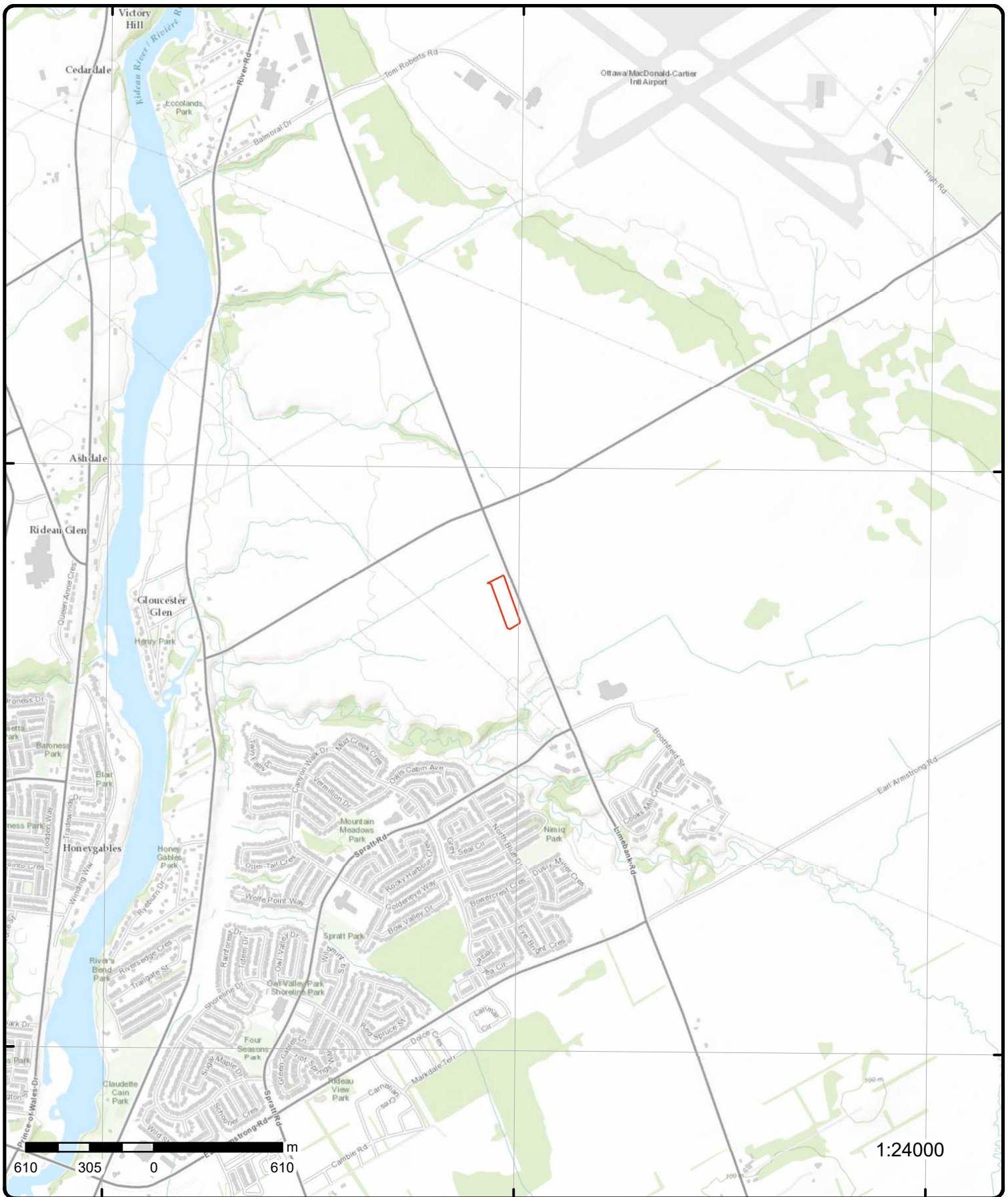
75°39'W

45°18'N

45°18'N

45°16'30"N

45°16'30"N



Topographic Map

Address: 3700 Twin Falls Place, ON

Source: ESRI World Topographic Map

Order Number: 24080600318



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	S/109.6	89.9 / -1.00	Limebank Rd - Riverside South Ottawa ON	EHS
Order No: 22052700201				Nearest Intersection:	
Status: C				Municipality:	
Report Type: Custom Report				Client Prov/State: ON	
Report Date: 01-JUN-22				Search Radius (km): .25	
Date Received: 27-MAY-22				X: -75.67564151	
Previous Site Name:				Y: 45.29209181	
Lot/Building Size:					
Additional Info Ordered:					
2	1 of 2	SE/219.0	89.9 / -1.00	4209 LIMEBANK ROAD OTTAWA ON	WWIS
Well ID: 7040010				Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st: Not Used				Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status: Abandoned-Other				Date Received: 01/25/2007	
Water Type:				Selected Flag: TRUE	
Casing Material:				Abandonment Rec: Yes	
Audit No: Z52538				Contractor: 7260	
Tag:				Form Version: 3	
Constructn Method:				Owner:	
Elevation (m):				County: OTTAWA-CARLETON	
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality: OTTAWA CITY					
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7040010.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 11/24/2006					
Year Completed: 2006					
Depth (m):					
Latitude: 45.2919734181609					
Longitude: -75.6729158371207					
X: -75.67291567549336					
Y: 45.2919734110472					
Path: 704\7040010.pdf					
<u>Bore Hole Information</u>					
Bore Hole ID: 11762326		Elevation:			
DP2BR:		Elevrc:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	447234.00
Code OB Desc:				North83:	5015606.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:		11/24/2006	UTMRC Desc:		margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Location Method Desc:		on Water Well Record			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933312633			
Layer:		1			
Plug From:		0.0			
Plug To:		6.75			
Plug Depth UOM:		m			
 <u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933312634			
Layer:		2			
Plug From:		6.75			
Plug To:		7.619999885559082			
Plug Depth UOM:		m			
 <u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		967040010			
Method Construction Code:		A			
Method Construction:		Digging			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		11770016			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Hole Diameter</u>					
Hole ID:		11848497			
Diameter:		121.91999816894531			
Depth From:		0.0			
Depth To:		7.619999885559082			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
2	2 of 2	SE/219.0	89.9 / -1.00	Ottawa-Carleton Catholic School Board 4209 Limebank Rd North-east corner of Limebank Road and Spratt Road Ottawa ON	CA

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<hr/>					
Certificate #:		8630-7GVKEK			
Application Year:		2008			
Issue Date:		8/8/2008			
Approval Type:		Municipal and Private Sewage Works			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Unplottable Summary

Total: **10** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA		Part of Lot 18 and 19, Concession 1, Spratt Road	Gloucester ON	
CA		Part of Lot 18 and 19, Concession 1, Spratt Road	Gloucester ON	
CA	City of Ottawa	Limebank Road from Leitrim Road to Spratt Rd	Ottawa ON	
ECA	SNC- Lavalin Trillium Partner 1 Inc. and SNC- Lavalin Trillium Partner 2 Inc.,	operating as Transitnext General Partnership Limebank Rd	Ottawa ON	M5H 3T9
ECA	City of Ottawa	Limebank Road from Leitrim Road to Spratt Rd	Ottawa ON	K2G 6J8
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
GEN	ROBADAIR LTD.	BAY 6, 9 LIMEBANK ROAD - GLOUCESTER C/O BOX 5071, STATION "F"	OTTAWA ON	K2C 3H3
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
GEN	SNC-Lavalin Constructors (Pacific) Inc.	Limebank Road	Ottawa ON	K1X 1G1
SPL		Limebank near Lietrim Rd	Ottawa ON	

Unplottable Report

Site: *Part of Lot 18 and 19, Concession 1, Spratt Road Gloucester ON* **Database:** [CA](#)

Certificate #: 0131-4NFJN4
Application Year: 00
Issue Date: 8/22/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Construction of sanitary and storm sewers on Spratt Road from Goldeneye Way to Hallow Trail Gate.
Contaminants:
Emission Control:

Site: *Part of Lot 18 and 19, Concession 1, Spratt Road Gloucester ON* **Database:** [CA](#)

Certificate #: 0122-4NFJF4
Application Year: 00
Issue Date: 8/22/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Construction of watermains on Spratt Road from Goldeneye Way to Hallow Trail Gate.
Contaminants:
Emission Control:

Site: *City of Ottawa
Limebank Road from Leitrim Road to Spratt Rd Ottawa ON* **Database:** [CA](#)

Certificate #: 8399-7YK TTC
Application Year: 2009
Issue Date: 12/18/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *SNC- Lavalin Trillium Partner 1 Inc. and SNC- Lavalin Trillium Partner 2 Inc.,
operating as Transitnext General Partnership Limebank Rd Ottawa ON M5H 3T9* **Database:** [ECA](#)

Approval No: 0637-C7KK4Z **MOE District:** Ottawa

Approval Date: 2021-11-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: SNC- Lavalin Trillium Partner 1 Inc. and SNC- Lavalin Trillium Partner 2 Inc., operating as Transitnext General Partnership
Address: Limebank Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8528-C6APT5-14.pdf>
PDF Site Location: Ottawa LRT Trillium Line - Limebank Station
 Limebank Road, Main Street, and Connector Road
 City of Ottawa, Ontario

City:
Longitude: null
Latitude: null
Geometry X: -8422682.0291000009
Geometry Y: 5664419.7690000003

Site: **City of Ottawa**
Limebank Road from Leitrim Road to Spratt Rd Ottawa ON K2G 6J8

Database:
ECA

Approval No: 8399-7YKTTC
Approval Date: 2009-12-18
Status: Approved
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: City of Ottawa
Address: Limebank Road from Leitrim Road to Spratt Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0867-7WSQ87-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **SNC-Lavalin Constructors (Pacific) Inc.**
Limebank Road Ottawa ON K1X 1G1

Database:
GEN

Generator No: ON4097601
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Site: **ROBADAIR LTD.**
BAY 6, 9 LIMEBANK ROAD - GLOUCESTER C/O BOX 5071, STATION "F" OTTAWA ON K2C 3H3

Database:
GEN

Generator No: ON0528100
SIC Code: 0007
SIC Description: LETTER ACKNOWLEDG.
Approval Years: 86,87,88
PO Box No:
Country:
Status:

Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Site: SNC-Lavalin Constructors (Pacific) Inc.
Limebank Road Ottawa ON K1X 1G1

Database:
GEN

Generator No: ON4097601
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: OTHER SPECIFIED INORGANICS

Site: SNC-Lavalin Constructors (Pacific) Inc.
Limebank Road Ottawa ON K1X 1G1

Database:
GEN

Generator No: ON4097601
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Site: Limebank near Lietrim Rd Ottawa ON

Database:
SPL

Ref No:	4507-744JQR	Municipality No:	
Year:		Nature of Damage:	
Incident Dt:		Discharger Report:	
Dt MOE Arvl on Scn:		Material Group:	Oil
MOE Reported Dt:	6/12/2007	Impact to Health:	
Dt Document Closed:	6/15/2007	Agency Involved:	
Site No:			
MOE Response:	No Field Response		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:	MVA<UNOFFICIAL>		
Site Address:			

Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Preceding Spill:
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact: Surface Water Pollution
Contaminant Qty: 3 L
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Water
Incident Reason: Spill
Incident Summary: MVA, 3 L diesel to wet ditch, contained
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Other Motor Vehicle
SAC Action Class:
Call Report Locatn Geodata:

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 30st, 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

Grant Paterson Junior Environmental Inspector

Grant joined Paterson Group in July 2020 as part of the Environmental Group. Grant received his Advanced Diploma in Civil Engineering Technology from Algonquin College in April of 2020. In his time with Paterson, Grant has been involved primarily in residential and commercial development projects, predominantly within the National Capital Region as well as various locations within Eastern Ontario. His scope of work consists of conducting Phase I – Environmental Site Assessments (ESAs) to CSA standards, soil testing and supervision of excess soils programs, conducted various environmental and geotechnical subsurface field investigations, contaminated soil and groundwater field sampling, supervising the remediation of contaminated sites, and ensuring compliance to applicable regulatory standards, memorandum and letter reporting.

EDUCATION

Advanced Diploma in Civil Engineering Technology
2019
Algonquin College, Ottawa, ON

YEARS OF EXPERIENCE

With Paterson: 3+

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- Caivan Communities: The Ridge, Ottawa, ON – Environmental and Geotechnical Subsurface Investigations, Soil and Groundwater Sampling, Remediation Supervision
- Taggart Residential Development: 998 Highway 15, Kingston, ON: Geotechnical and Environmental Subsurface Investigation, Soil and Groundwater Sampling
- Taggart Residential Development: 700 Gardiners Road, Kingston, ON – Environmental and Geotechnical Subsurface Investigations, Soil and Groundwater Sampling
- PCL Constructors: EASP Project, Various Sites in Ottawa, On, and Gatineau Qc: Geotechnical and Environmental Subsurface Investigations, and Excess Soils Testing
- IBI Group: Tunney's Pasture, Ottawa, ON. – Environmental and Geotechnical Subsurface Investigation, Soil and Groundwater Sampling
- Claridge Homes: 1040 Somerset, Ottawa, On, Environmental and Geotechnical Subsurface Investigations, Soil and Groundwater Sampling, Groundwater Monitoring
- CSA Phase I Environmental Site Assessments (ESAs) – Various Sites, Eastern Ontario

PROFESSIONAL EXPERIENCE

2020 to present, **Junior Environmental Inspector, Paterson Group, Ottawa, Ontario**

- Conducting Phase I Environmental Site Assessments in accordance with CSA standards and O.Reg. 153/04.
- Responsible for the application of environmental, hydrogeological, and/or geotechnical principles and practices in the identification and delineation of soil and groundwater contamination plumes while ensuring compliance with federal, provincial, and/or municipal legal and regulatory requirements.
- Presenting analytical test results, interpretations, assessments, recommendations and/or conclusions in a final technical report.
- Field experience in the supervision of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil and rock classification, soil and groundwater field sampling, as well as the collection of hazardous building materials and designated substances.
- Coordination and on-site supervision of soil and groundwater remediation activities for contaminated sites.
- Liaising with clients, and contractors.
- Coordination of contractors while directly reporting to intermediate and senior management to ensure completion of project on schedule and within budget;
- Manage excavation contractors to ensure soil quality control; daily reporting to project manager;
- Present analytical test results, interpretations, assessments, recommendation and/or conclusions in a final technical report as well as verbal and written communication with clients.



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.