

Phase I Environmental Site Assessment

6408 Renaud Road
Ottawa, Ontario

Prepared for NCTL Homes Inc.

Report: PE6788-1

Date: November 30, 2024

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by NCTL Homes Inc., to conduct a Phase I-Environmental Site Assessment (ESA) for 6408 Renaud Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on the available historical information, the Phase I Property was initially developed with the existing residential dwelling prior to 1965. No changes to the property use have been noted since that time. No historical potentially contaminating activities (PCAs) were identified on the Phase I Property.

The majority of surrounding lands within the Phase I Study Area were historically used for agricultural or were vacant with some residential use along the Renaud Road and White Street. The surrounding area was further developed in the last decade and majority of the surrounding properties were developed with residential dwellings.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by one-storey residential dwelling with a full basement level, a detached car garage and a storage shed. No environmental concerns were identified with the current use of the Phase I Property.

Land use within the Phase I Study Area consists of residential properties and one institutional building. No potentially contaminating activities (PCAs) were identified within the Phase I Study Area.

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

Recommendations

Given the presence of potential vent and fill pipes along the exterior wall of the building, which are assumed to be related to a former above-ground storage tank (AST), additional soil testing is required on the Phase I Property to evaluate soil conditions before any off-site removal, in accordance with the Excess Soil Regulation

Based on the age of the subject building (prior to 1965), asbestos containing building materials may be potentially present within the structure. Potential ACMs observed in the subject buildings include drywall joint compound, vinyl floor tiles, suspended ceiling tiles and stippled plaster. These materials were observed to be in fair to good condition at the

time of the site inspection and do not represent an immediate concern to the building's occupants. An asbestos survey of the subject building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to any proposed demolition activities, if one has not already been conducted.

Based on the age of the subject buildings (prior to 1965), lead-based paints may be present on any original or older painted surfaces. The painted surfaces within the subject buildings were generally observed to be in good condition and do not pose an immediate concern to the occupants of the building. Major work involving lead-based paint or other lead containing products must be done in accordance with O. Reg 843, under the Occupational Health and Safety Act.

It is recommended that a Designated Substance Survey (DSS) be conducted for the existing building prior to any future renovation or demolition activities.

1.0 INTRODUCTION

At the request of NCTL Homes Inc., Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for 6408 Renaud Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and properties within the Phase I Study Area to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the subject land.

Paterson was engaged to conduct this Phase I-ESA by Ms. Carine Toham Ngoy with NCTL Homes Inc. Ms. Carine Toham Ngoy can be reached by telephone at (819)-431-3401.

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

This Phase I-ESA report has been prepared in general accordance with Ontario Regulation (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 and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	6408 Renaud Road, Ottawa, Ontario.
Legal Description:	Part of Lot 3, Concession 4 (Ottawa Front); City of Ottawa.
Property Identification Number (PIN):	04352-0273.
Location:	The Phase I Property is located on the south side of Renaud Road, approximately 35m east of the intersection of Fern Casey Street and Renaud Road, in the City of Ottawa, Ontario. For the purposes of this report, Renaud Road is considered to run east-west adjacent to the north of the subject site. Refer to Figure 1 - Key Plan in the Figures section following the text.
Latitude and Longitude:	45° 26' 4.9187" N, 75° 30' 16.421" W

Site Description:

Configuration:	Rectangular
Area:	0.14 ha (approximate)
Zoning:	DR – Development Reserve Zone
Current Use:	The Phase I Property is currently occupied by a residential dwelling.
Services:	The Phase I Property is located in a municipally serviced area.

3.0 SCOPE OF INVESTIGATION

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

- Determine the historical activities on the Phase I property and Study Area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- Investigate the existing conditions present at the Phase I property and Study Area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject properties, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of O.Reg. 153/04, as amended, under the Environmental Protection Act, and 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 250m was determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property was first developed with a residential dwelling prior to 1965 and has been used for residential purposes ever since.

Fire Insurance Plans (FIPs)

Fire Insurance Plans (FIPs) are not available for the Phase I Property or the neighboring properties.

City of Ottawa Street Directories

City directories are not available for the area of the Phase I Property.

Chain of Title

Given the available information, it was determined that the results of a chain of title search would not contribute to the environmental assessment for the Phase I Property. Therefore, a chain of title search was not completed as part of this assessment.

Plan of Survey

A topographic plan of survey for the Phase I Property, prepared by Farley, Smith & Denis Surveying Ltd. was reviewed as part of the Phase I ESA. The plan shows the Phase I Property in its current configuration. A copy of the topographic plan of survey is provided in Appendix 1.

Previous Environmental Reports

To our knowledge, no other environmental reports are available that are relevant to the Phase I Property.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on October 11, 2024. No records were found in the NPRI database for properties within the Phase I Study Area.

PCB Inventory

A search of provincial PCB waste storage sites was conducted. No PCB waste storage sites were identified within the Phase I Study Area.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on October 11, 2024. The search did not reveal any areas of natural significance within the Phase I Study Area.

Ministry of the Environment, Conservation and Parks Freedom of Information Request

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property. A response from the MECP was received on November 5, 2024. No records were found in search through ministry files. A copy of the response has been appended to this report.

MECP Instruments

A request was submitted to the MECP Freedom of Information (FOI) 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 site. A response from the MECP was received on November 5, 2024. No records were found in search through ministry files. A copy of the response has been appended to this report.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records. A response from the MECP was received on November 5, 2024. No records were found in search through ministry files. A copy of the response has been appended to this report.

MECP Submissions

A request was submitted to the MECP FOI office for information with respect to reports related to environmental conditions for the Phase I Property. A response from the MECP was received on November 5, 2024. No records were found in search through ministry files. A copy of the response has been appended to this report.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, inspections maintained by the MECP for the Phase I Property or neighbouring properties. A response from the MECP was received on November 5, 2024. No records were found in search through ministry files. A copy of the response has been appended to this report.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No record of site condition (RSC) was identified for the Phase I Property or surrounding properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

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

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted electronically on October 11, 2024, to inquire about current and former underground/aboveground storage tanks, spills, and incidents for the subject and neighbouring properties. The response from the TSSA indicated that no records were listed in the TSSA registry for the Phase I Property or surrounding properties within the Phase I Study Area.

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

City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa's Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response was received on November 14, 2024, and contained no records for the Phase I Property.

The HLUI response did identify one record for the property located at 3509 Navan Road, approximately 200 m southeast of the Phase I Property. The record is associated with a business named Taillefer Andre, identified as a wholesale trade operation in 2012. Based on a review of aerial photographs, the property appears to be used as a rear yard/private garage associated with a residential dwelling. This record is not considered a PCA within the Phase I Study Area.

A copy of the HLUI response letter, along with the associated map and table, is provided in Appendix 2.

Environmental Risk Information Service (ERIS) Report

An Environmental Risk Information Services (ERIS) report, dated October 10, 2024, was acquired for the Phase I Property and reviewed as part of this assessment. It should be noted that the ERIS report includes information that would normally be obtained through the MECP FOI, MECP well records search as well as several other records (i.e., incident reports, waste generators, etc.). The complete ERIS report has been included in Appendix 2.

On-Site Records:

The ERIS report identified two well records for Phase I Property, which are further discussed in the water well records section of this report.

Off-Site Records:

A total of 18 records from various databases were identified for properties within a 250m radius of the Phase I Property (5 of which are previous ERIS searches).

The ERIS report identified two pipeline incident records for surrounding properties within the Phase I Study Area. Both records are related to pipeline damage to gas line and are not considered to represent an environmental concern to the Phase I Property.

The ERIS report identified one Ontario Spill record for the property addressed 6401 Renaud Road, approximately 20m north of the Phase I Property. The record is dated September of 2021 and pertains to a minor air spill of natural gas due to pipeline incident. Based on the type of record associated with natural gas spill, the

identified spill record is not considered to represent an environmental concern to the Phase I Property.

The ERIS report identified four Waste Generator records for the property addressed 6401 Renaud Road, approximately 20m north of the Phase I Property. The records are related to waste generation at a school and listed waste class are other specified organics, organic laboratory chemicals, and inorganic laboratory chemicals between year 2018 to 2022. Based on the type of waste classes listed, these records are not considered to represent an environmental concern to the Phase I Property.

The ERIS report identified one environmental compliance approval record for surrounding property within the Phase I Study Area. The record is limited to sewer and water works and is not considered to pose an environmental risk to the Phase I Property.

The ERIS report identified three well records and two borehole records for surrounding properties within the Phase I Study Area, which are further discussed in the water well records section of this report.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. Based on the review, the following observations have been made:

- | | |
|------|---|
| 1965 | The Phase I Property is occupied by a residential dwelling. Renaud Road is observed adjacent to north of the Phase I Property. The surrounding properties consist of vacant/agricultural lands. |
| 1976 | A private car garage is constructed in the southwest portion of the Phase I Property. The properties to the east and southeast of the Phase I Property are developed with residential dwellings along White Street and Renaud Road. White Street is observed constructed to the east of the Phase I Property. |
| 1988 | (Poor Scale) No significant changes are apparent with regard to the Phase I Property. Further residential development is observed to the southeast of the Phase I Property, along White Street. |

- 1991 An addition to the former residential dwelling is observed on the Phase I Property. No significant changes are apparent with regard to the surrounding properties.
- 2002 No significant changes are apparent with regard to the Phase I Property. Further residential development is observed to the southeast of the Phase I Property, along White Street.
- 2011 No significant changes are apparent with regard to the Phase I Property. The vegetation has been cleared from the properties north of the Phase I Property.
- 2022 No significant changes are apparent with regard to the Phase I Property. The surrounding properties to the northwest and west of the Phase I Property are developed with residential buildings. Additionally, a school has been constructed to the north of the Phase I Property along Renaud Road.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The Phase I Property is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the elevation of the Phase I Property is approximately 85m above sea level. The regional topography in the general area of the Phase I Property slopes downward to the south. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

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 the information from NRCAN, bedrock in the area of the site consists of interbedded limestone and

shale of the Lindsay Formation. Based on the maps, the surficial geology consists of nearshore marine sediments with an overburden thickness ranging from 25 to 50m.

Water Well Records

A search of the MECPs website was conducted on October 16, 2024, for all drilled well records within a 250m radius of the Phase I Property. Two well records were identified for the Phase I Property. The water wells were installed in 1970 and 1972 for domestic water supply.

The search identified three well records for surrounding properties within the Phase I Study Area, one pertains to monitoring well records, dated 2012. The monitoring well is assumed to have been installed for geotechnical purposes and/or as part of previous environmental investigations. The remaining two records pertain to domestic supply wells installed in 1969 and 1970. Based on the availability of municipal services, no drinking water wells are expected to be currently in use within the Phase I Study Area. A copy of the well records has been included in Appendix 2.

In general, according to the well records, the strata in the Phase I Study Area consists of sand over underlying clay, over limestone bedrock. Limestone bedrock was encountered at depths ranging from 29.87 - 40.85 mbgs in the nearby well records identified within the Phase I Study Area.

5.0 INTERVIEWS

Property Owner Representatives

Ms. Carine Toham Ngoy, with NCTL Homes Inc., the current property owner was interviewed via e-mail correspondence as part of this assessment. According to Ms. Ngoy, the Phase I Property has always been used for residential purpose upon development. Ms. Ngoy stated that she was unaware of any environmental concerns on the Phase I Property.

The information obtained through the interview with Ms. Ngoy is considered to be consistent with site information obtained from other sources (aerial photos, ERIS Database Report and site observations) and is considered to be valid.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site visit was conducted on October 18, 2024, by Mr. Kuldeep Panchal with the Environmental Department of Paterson Group. Weather conditions at the time of the site inspection were clear and approximately 16°C. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were assessed at the time of the site visit from publicly accessible areas.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

One-storey residential dwelling with a full basement level, a detached car garage and a storage shed are present on the Phase I Property. The residential dwelling was constructed prior to 1965 and is currently heated with a natural gas fired furnace. The residential dwelling is constructed with a concrete foundation and is finished on the exterior with vinyl siding, and concrete stucco and with a sloped shingled roof. The detached car garage and the storage shed are constructed on concrete slab on grade and finished on the exterior with vinyl siding and with a sloped metal roof. As per conversation with representative from NCTL Homes Inc. during the site inspection, the detached car garage and the storage shed are currently being used as household equipment and tool storage for the tenants of the residential dwelling.

Site Features

The subject site is currently occupied with a residential dwelling, a storage shed and a detached car garage. The remainder of the subject site consists of a laneway and landscaped areas. The Phase I Property is considered to be at grade with respect to the adjacent roadways. The site topography is generally flat and the regional topography slopes downward to the south.

Water drainage on the Phase I Property occurs via infiltration and surface runoff to ditch and catch basins located along the Renaud Road. No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the subject site at time of the site inspection.

No drains, pits or sumps were observed on the exterior of the Phase I Property at the time of the site inspection. No evidence of current or former railway lines or spur lines on the Phase I Property was observed at the time of the site inspection.

Site features are presented on Drawing PE6788-1 – Site Plan, provided in the Figures section following the text.

Potential Environmental Concerns

Groundwater Monitoring Wells

No monitoring wells were identified on the Phase I Property during the site assessment.

Fuels and Chemical Storage

Two possible vent and fill pipes were observed coming out of the south side foundation wall. These vent and fill pipes are presumably associated with former above ground storage tank (AST) in the basement. No chemicals were found to be stored on the exterior of the Phase I Property.

Waste Management

Solid, non-hazardous domestic waste and recyclable products are stored in plastic bins adjacent to the exterior of the car garage and are collected by the municipality on a regular basis. No environmental concerns were identified with respect to waste management practices on the Phase I Property.

Polychlorinated Biphenyls (PCBs) and Transformer Oil

No transformers were observed on the exterior of the Phase I Property.

Fill Material

No evidence of fill material was observed on the exterior of the Phase I Property at the time of the site inspection.

Interior Assessment

The interior of the car garage and storage shed were not accessible during the site visit. A general description of the interior of the residential dwelling is as follows:

- Floors consist of concrete, carpet, laminate, and vinyl floor tiles;
- Walls consist of drywall and concrete block;
- Ceilings consist of suspended tiles, plaster and stippled plaster;
- Lighting is provided by fluorescent and LED fixtures.

Potentially Hazardous Building Products

Asbestos-Containing Materials (ACMs)

Based on the age of construction of the subject building (prior to 1965), asbestos containing building materials may be present within the structure. Potentially asbestos-containing materials (ACMs) observed at the time of the site inspection include drywall joint compound, vinyl floor tiles, suspended ceiling tiles and stippled plaster.

Lead-Based Paints (LBPs)

Based on the age of construction of the subject building (prior to 1965), lead-based paints (LBPs) may be present within the structure. Painted surfaces were generally observed to be in good condition at the time of the site inspection and do not pose an immediate concern.

Polychlorinated Biphenyls (PCBs) and Transformer Oil

No potential sources of PCBs were identified inside the residential dwelling at the time of the site inspection.

Urea Formaldehyde Foam Insulation (UFFI)

UFFI was not observed in the subject building at the time of the site inspection, however, wall cavities were not inspected for insulation type.

Other Potential Environmental Concerns

Fuel and Chemical Storage

The possible former above ground storage tank (AST) location was identified in the basement associated with identified possible vent and fill pipes observed on the exterior of the subject building. There are currently no tanks in the building. It is our opinion that the possible former presence of the AST does not pose a potential environmental concern to the subject site. No staining was observed in the vicinity of the former AST, and the concrete floor was in good condition with no cracks. No stressed vegetation was observed on the exterior of the residential dwelling below the former fill and vent pipes.

Chemical products identified in the subject buildings were observed to be predominantly limited to domestically available cleaning products and paint, stored properly in their original containers.

Wastewater Discharge

Wastewater generated on the Phase I Property, including wash water and sewage, is discharged to the municipal water system.

Drains, Pits and Sumps

One sump pit was observed within the basement of the subject building. The sump pit was dry, with no odours or staining noted at the time of the site inspection. No concerns were identified with respect to wastewater discharges at the Phase I Property.

Ozone Depleting Substances (ODSs)

Potential sources of ODSs observed on-site include a refrigerator and an air-conditioning unit. These appliances were noted to be in good condition at the time of the site inspection and should be regularly serviced by a licensed contractor.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible areas at the time of the site visit. Land use adjacent to the Phase I Property was as follows:

- North - Renaud Road, followed by institutional building;
- South - Vacant lands and residential dwellings;
- East - Residential dwellings, followed by White Street;
- West - Vacant land, followed by residential dwellings.

Land use within the Phase I Study consists of properties used residential and institutional purposes. No potentially contaminating activities were identified on or in the vicinity of the Phase I Property. Current land use of properties within the Phase I Study Area is presented on Drawing PE 6788-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Based on a review of available historical information, the Phase I Property was first developed with a residential dwelling prior to 1965 and has been used for residential purposes ever since.

Potentially Contaminating Activities (PCAs) and Areas of Potential Environmental Concern (APECs)

Based on the findings of the Phase I ESA, no PCAs were identified.

No APECs have been identified on the Phase I Property.

Contaminants of Potential Concern (CPCs)

No Contaminants of Potential Concern (CPSs) were identified on the Phase I property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock in the area of the site consists of interbedded limestone and shale of the Lindsay Formation. Based on the maps, the surficial geology consists of nearshore marine sediments with an overburden thickness ranging from 25 to 50m.

The topographic maps indicate that the elevation of the Phase I Property is approximately 85m above sea level. The regional topography in the general area of the Phase I Property slopes downward to the south.

Fill Placement

No evidence of fill placement was observed at the time of the site inspection.

Water Bodies and Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on October 11, 2024. The search did not reveal any areas of natural

significance within the Phase I Study Area. The nearest body of water is the Ottawa River, approximately 6.3km north of the Phase I Property.

Potable Water Wells

A search of the MECPs website was conducted on October 16, 2024, for all drilled well records within a 250 m radius of the Phase I Property. Two potable water well records were identified for the Phase I Property. The water wells were installed in 1970 and 1972 for domestic water supply. Two records for domestic supply wells installed in 1969 and 1970 were identified within the Phase I Study Area. Based on the availability of municipal services, no drinking water wells are expected to be currently in use within the Phase I Study Area.

Monitoring Wells

No monitoring well record was identified for the Phase I Property. The search identified one monitoring well record for surrounding properties within the Phase I Study Area, dated 2012. The monitoring well records are assumed to have been installed for geotechnical purposes and/or as part of previous environmental investigations.

In general, according to the well records, the strata in the Phase I Study Area consists of sand over underlying clay, over limestone bedrock. Limestone bedrock was encountered at depths ranging from 29.87 - 40.85 mbgs in the nearby well records identified within the Phase I Study Area

Existing Buildings and Structures

One-storey residential dwelling with a full basement level, a detached car garage and a storage shed are present on the Phase I Property. The residential dwelling was constructed prior to 1965 and is currently heated with a natural gas fired furnace. The residential dwelling is constructed with a concrete foundation and is finished on the exterior with vinyl siding, and concrete stucco and with a sloped shingled roof. The detached car garage and the storage shed are constructed on concrete slab on grade and finished on the exterior with vinyl siding and with a sloped metal roof. As per conversation with representative from NCTL Homes Inc. during the site inspection, the detached car garage and the storage shed are currently being used as household equipment and tool storage for the tenants of the residential dwelling.

Neighbouring Land Use

Land use within the Phase I Study consists of properties used for residential and institutional. Current land use of properties within the Phase I Study Area is presented on Drawing PE6788-2 – Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified within the Phase I Study Area. No APECs have been identified on the Phase I Property.

Contaminants of Potential Concern

No Contaminants of Potential Concern (CPSs) were identified on the Phase I property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no PCAs present within the Phase I Study Area and there are no APECs on the Phase I Property. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by NCTL Homes Inc., to conduct a Phase I-Environmental Site Assessment (ESA) for 6408 Renaud Road, in the City of Ottawa, Ontario. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m Phase I Study Area, and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on the available historical information, the Phase I Property was initially developed with the existing residential dwelling prior to 1965. No changes to the property use have been noted since that time. No historical potentially contaminating activities (PCAs) were identified on the Phase I Property.

The majority of surrounding lands within the Phase I Study Area were historically used for agricultural or were vacant with some residential use along the Renaud Road and White Street. The surrounding area was further developed in the last decade and majority of the surrounding properties were developed with residential dwellings.

Following the historical research, a site visit was conducted. The Phase I Property is currently occupied by one-storey residential dwelling with a full basement level, a detached car garage and a storage shed. No environmental concerns were identified with the current use of the Phase I Property.

Land use within the Phase I Study Area consists of residential properties and one institutional building. No potentially contaminating activities (PCAs) were identified within the Phase I Study Area.

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

8.2 Recommendations

Given the presence of potential vent and fill pipes along the exterior wall of the building, which are assumed to be related to a former above-ground storage tank (AST), additional soil testing is required on the Phase I Property to evaluate soil conditions before any off-site removal, in accordance with the Excess Soil Regulation.

Based on the age of the subject building (prior to 1965), asbestos containing building materials may be potentially present within the structure. Potential ACMs observed in the subject buildings include drywall joint compound, vinyl floor tiles, suspended ceiling tiles and stippled plaster. These materials were observed to be in fair to good condition at the time of the site inspection and do not represent an immediate concern to the building's occupants. An asbestos survey of the subject building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to any proposed demolition activities, if one has not already been conducted.

Based on the age of the subject buildings (prior to 1965), lead-based paints may be present on any original or older painted surfaces. The painted surfaces within the subject buildings were generally observed to be in good condition and do not pose an immediate concern to the occupants of the building. Major work involving lead-based paint or other lead containing products must be done in accordance with O. Reg 843, under the Occupational Health and Safety Act.

It is recommended that a Designated Substance Survey (DSS) be conducted for the existing building prior to any future renovation or demolition activities.

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 meets the requirements of 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 and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial and federal agencies and was limited within the scope-of-work, time and budget of the project herein.

Should any conditions be encountered at the 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 NCTL Homes Inc. Permission and notification from NCTL Homes Inc. and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Kuldeep Panchal, M.Eng.



Michael Beaudoin, P.Eng, Q.P.ESA



Report Distribution:

- NCTL Homes Inc.
- Paterson Group

10.0 REFERENCES

Federal Records

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

Provincial Records

MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Maps and photographs (Geological Survey of Ontario surficial and subsurface mapping).
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records

geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database.

Local Information Sources

Personal Interviews
Chain of Title
Previous Engineering Reports
Environmental Risk Information Services (ERIS) Report, May 13, 2024

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6788-1 – SITE PLAN

DRAWING PE6788-2 – SURROUNDING LAND USE PLAN

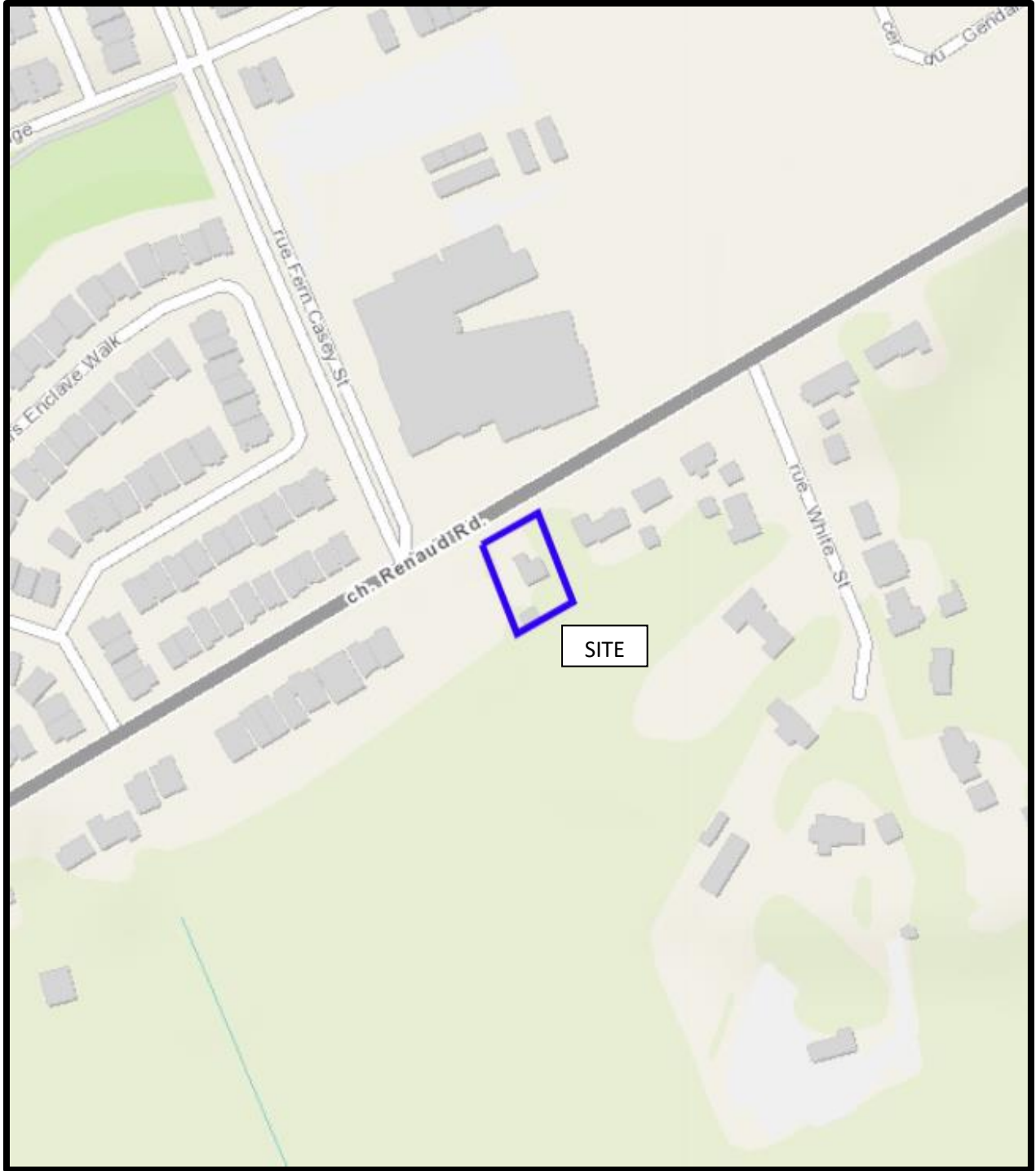


FIGURE 1
KEY PLAN

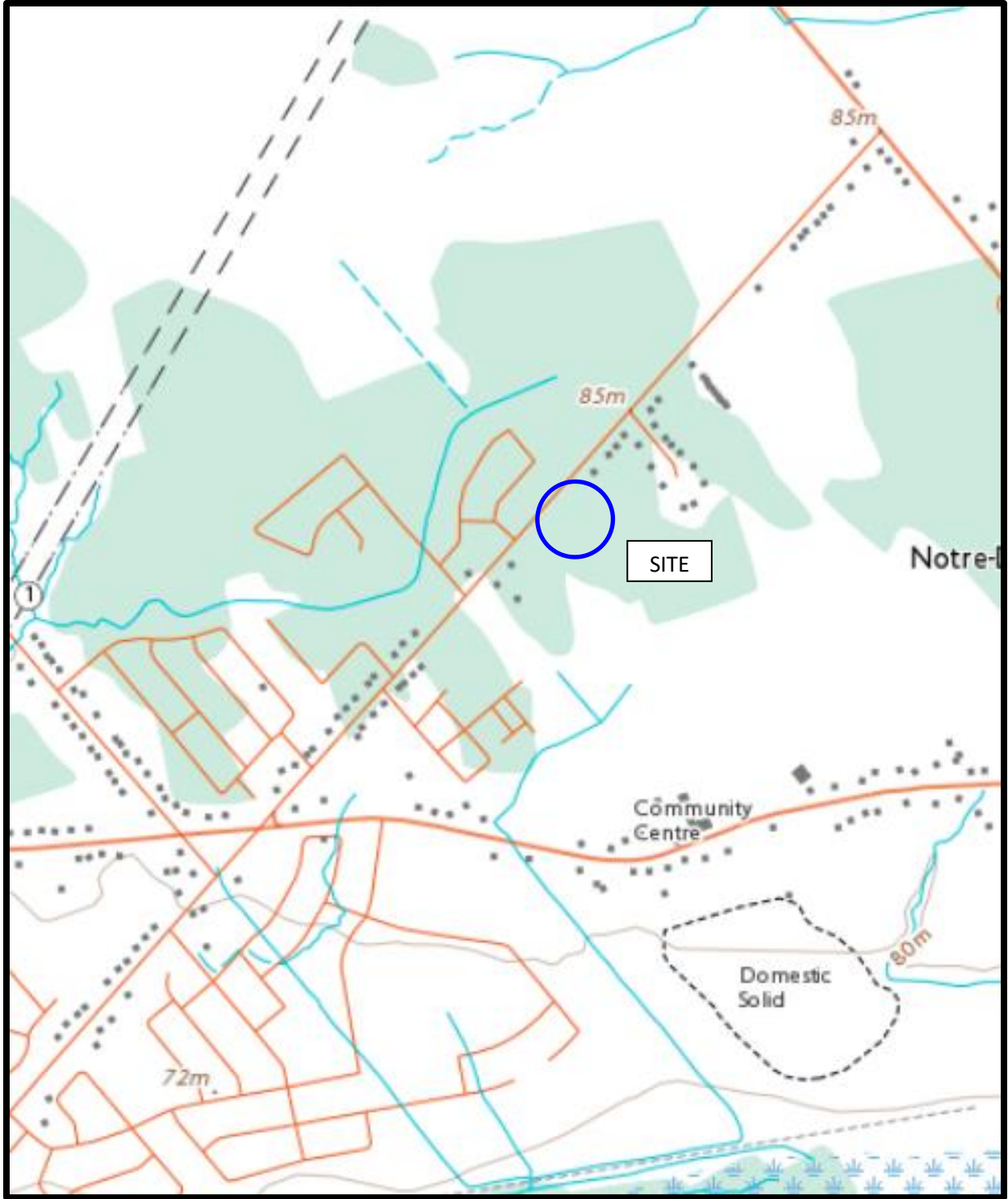
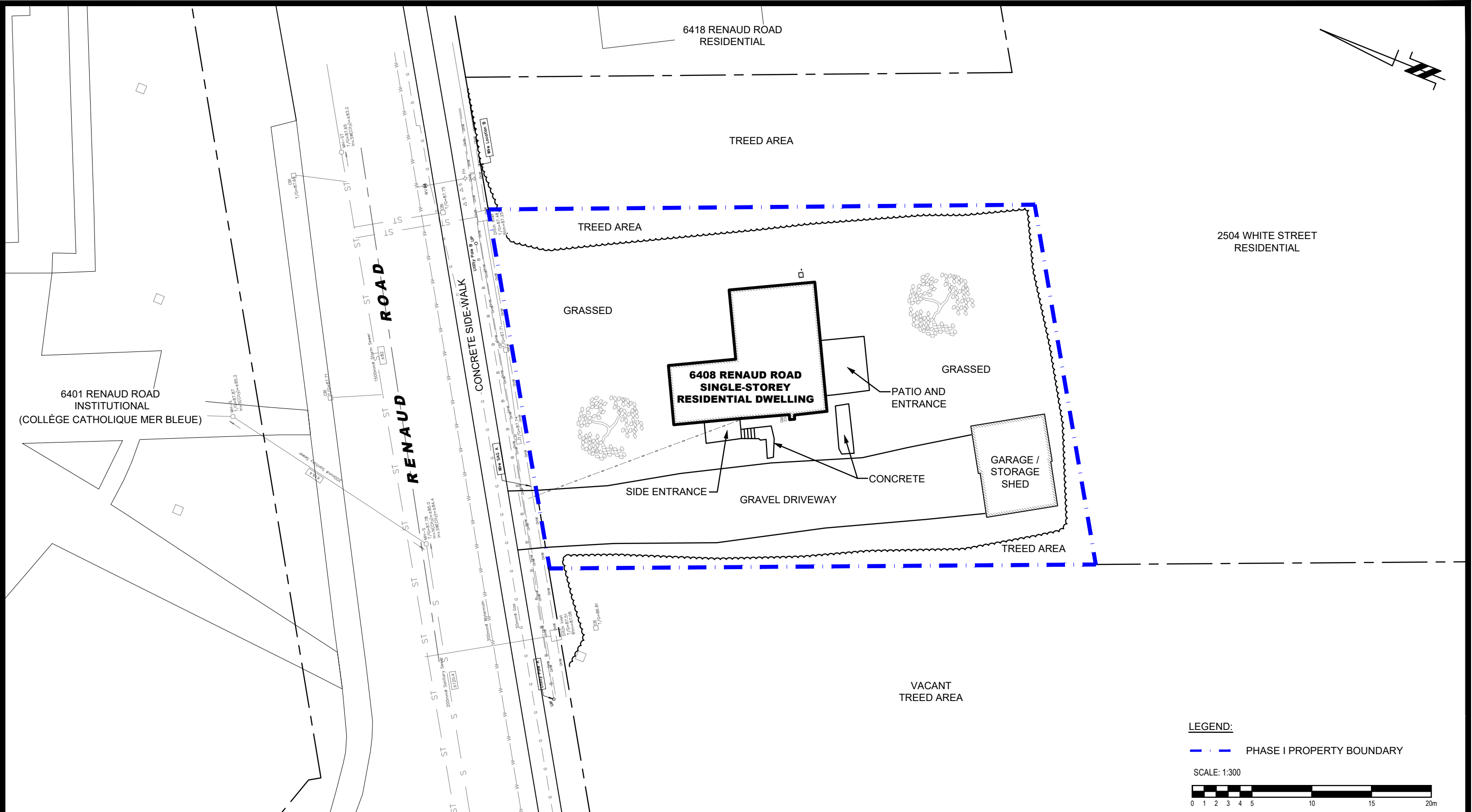


FIGURE 2
TOPOGRAPHIC MAP



NO.	REVISIONS	DATE	INITIAL

NCTL HOMES INC.
 PHASE I - ENVIRONMENTAL SITE ASSESSMENT
 6408 RENAUD ROAD

OTTAWA, ONTARIO

SITE PLAN

Scale:	1:300	Date:	10/2024
Drawn by:	GK	Report No.:	PE6788-1
Checked by:	KMP	Dwg. No.:	PE6788-1
Approved by:	MB	Revision No.:	

PHASE I - ENVIRONMENTAL SITE ASSESSMENT STUDY AREA



LEGEND:
 PHASE I PROPERTY BOUNDARY
 SCALE: 1:2500

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

NO.	REVISIONS	DATE	INITIAL

NCTL HOMES INC.
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
6408 RENAUD ROAD
OTTAWA, ONTARIO
SURROUNDING LAND USE PLAN

Scale:	1:2500	Date:	10/2024
Drawn by:	GK	Report No.:	PE6788-1
Checked by:	KMP	Dwg. No.:	PE6788-2
Approved by:	MB	Revision No.:	

APPENDIX 1

PLAN OF SURVEY

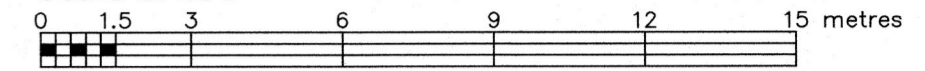
AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

**PART OF LOT 3
CONCESSION 4 (OTTAWA FRONT)
GEOGRAPHIC TOWNSHIP OF GLOUCESTER
CITY OF OTTAWA**

FARLEY, SMITH & DENIS SURVEYING LTD. 2024

Scale 1: 150



Metric Note
Distances and/or coordinates on this plan are in metres and can be converted to feet by dividing by 0.3048.

Distance Note
Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.99996.

Bearing Note
Bearings hereon are grid bearings derived from the Can-Net Real Time Network and are referred to the Central Meridian of 114° 00' 00" West Longitude (NAD-83 Original).

For bearing comparisons, a rotation of 0°16'20" clockwise was applied to bearings on P2 & P5.

Elevation Notes
1. Elevations shown are geodetic and are referred to Geodetic Datum CGVD-1928 :1978.
2. It is the responsibility of the user of this information to verify that the job benchmark has not been altered or disturbed and that its relative elevation and description agrees with the information shown on this drawing.

Utility Notes
1. This drawing cannot be accepted as acknowledging all of the utilities and it will be the responsibility of the user to contact the respective utility authorities for confirmation.
2. Only visible surface utilities were located.
3. Underground utility data derived from City of Ottawa utility sheet reference: J-31-15, 6525p&p3, 6525p&p4, 16688p&p102, 17807Rdp&p07 & 17808Rdp&p08.
4. Sanitary and storm sewer inverts were compiled from: City of Ottawa Utility Sheets.
5. A field location of underground plant by the pertinent utility authority is mandatory before any work involving breaking ground, probing, excavating etc.
6. Not all overhead wires/transformers adjacent to the property have been located, the nearest overhead wire locations are shown on the plan.

- Notes & Legend**
- Denotes Survey Monument Planted
 - Denotes Survey Monument Found
 - SIB Standard Iron Bar
 - SSIB Short Standard Iron Bar
 - IB Iron Bar
 - (Wt) Witness
 - Meas Measured
 - (P1) Registered Plan 4M-1639
 - (P2) Plan by (990) dated May 17, 1989 (Ref. No. 81-89)
 - (P3) Plan by (990) dated May 20, 2004 (Ref. No. 04-070)
 - (P4) Plan by (AOC) dated March 16, 2020 (Job No. 18061-18)
 - (P5) Plan SR-6856
 - MH-ST Maintenance Hole (Storm)
 - MH-S Maintenance Hole (Sanitary)
 - ST Undergound Storm Sewer
 - S Undergound Sanitary Sewer
 - W Undergound Water
 - G Undergound Gas
 - B Undergound Bell
 - OW Overhead Wires
 - UP Utility Pole
 - CB Catch Basin
 - SBI Catch Basin Inlet
 - FH Fire Hydrant
 - WV Water Valve
 - GM Gas Meter
 - AC Air Conditioner
 - Diameter
 - Inv. Invert
 - T/G Top of Grate
 - U/Eave Underside of Eave
 - TpFdn Top of Foundation
 - C/L Centreline
 - + 65.00 Location of Elevations
 - + 65.00 Top of Concrete Curb Elevation
 - Property Line
 - Deciduous Tree - The Symbol shown denotes location and trunk diameter only. Size of its root system/overhead canopy may be smaller/larger than the symbol size depicted on this plan.
 - Coniferous Tree - The Symbol shown denotes location and trunk diameter only. Size of its root system/overhead canopy may be smaller/larger than the symbol size depicted on this plan.

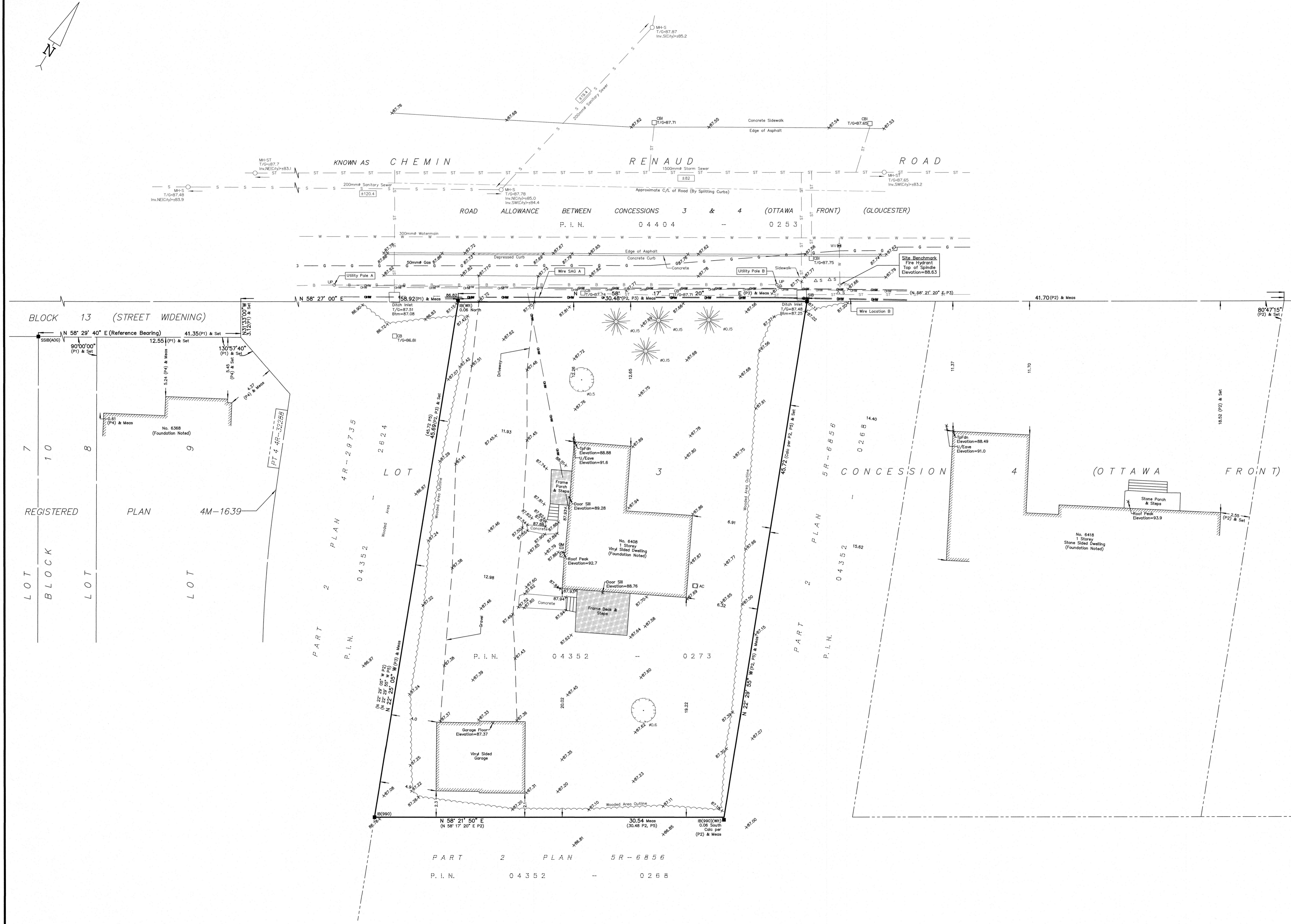
Site Area=1376.4 sq.m.

Overhead Wire Information			
Overhead Wire Elevations at Utility Pole A	Overhead Wire Elevations at SAG 'A'	Overhead Wire Elevations at Utility Pole B	Overhead Wire Elevations at Location 'B'
Top Wire = 103.23	Top Wire = 102.20	Top Wire = 102.27	Top Wire = 102.18
Bottom Wire = 100.19	Bottom Wire = 99.22	Bottom Wire = 99.21	Bottom Wire = 99.13

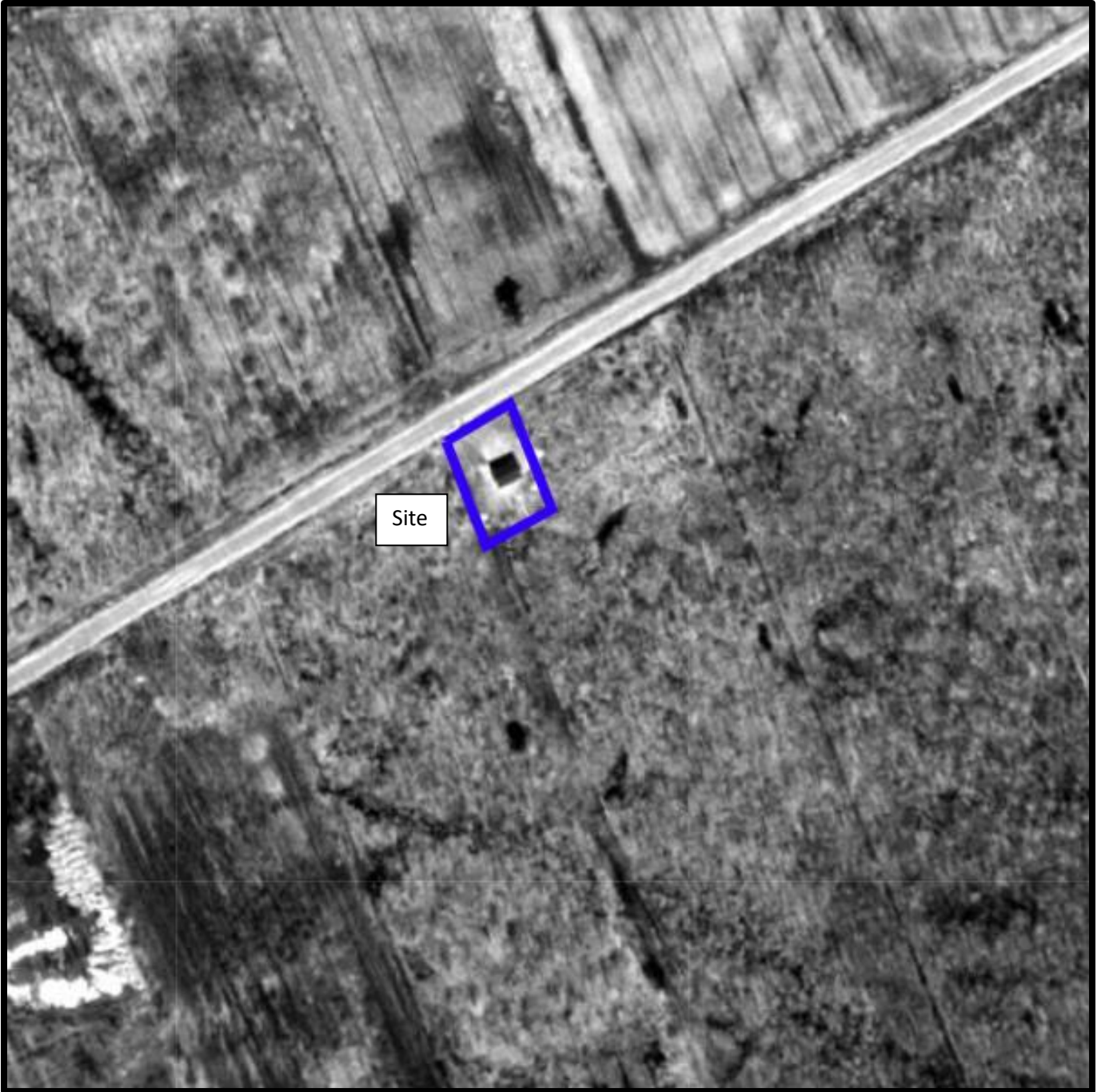
Surveyor's Certificate
I certify that:
1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Regulations made under them.
2. The survey was completed on the 9th day of September, 2024.
Date Sep 25/2024
Emad Alrefaai
Ontario Land Surveyor

This plan of survey relates to AOLS Plan Submission Form Number V-80525
FARLEY, SMITH & DENIS SURVEYING LTD.

ONTARIO LAND SURVEYORS
CANADA LAND SURVEYORS
Unit 275, 30 COLONNADE ROAD, OTTAWA, ONTARIO K2E 7J6
TEL. (613) 727-8226 E-mail: info@fdsurveys.ca



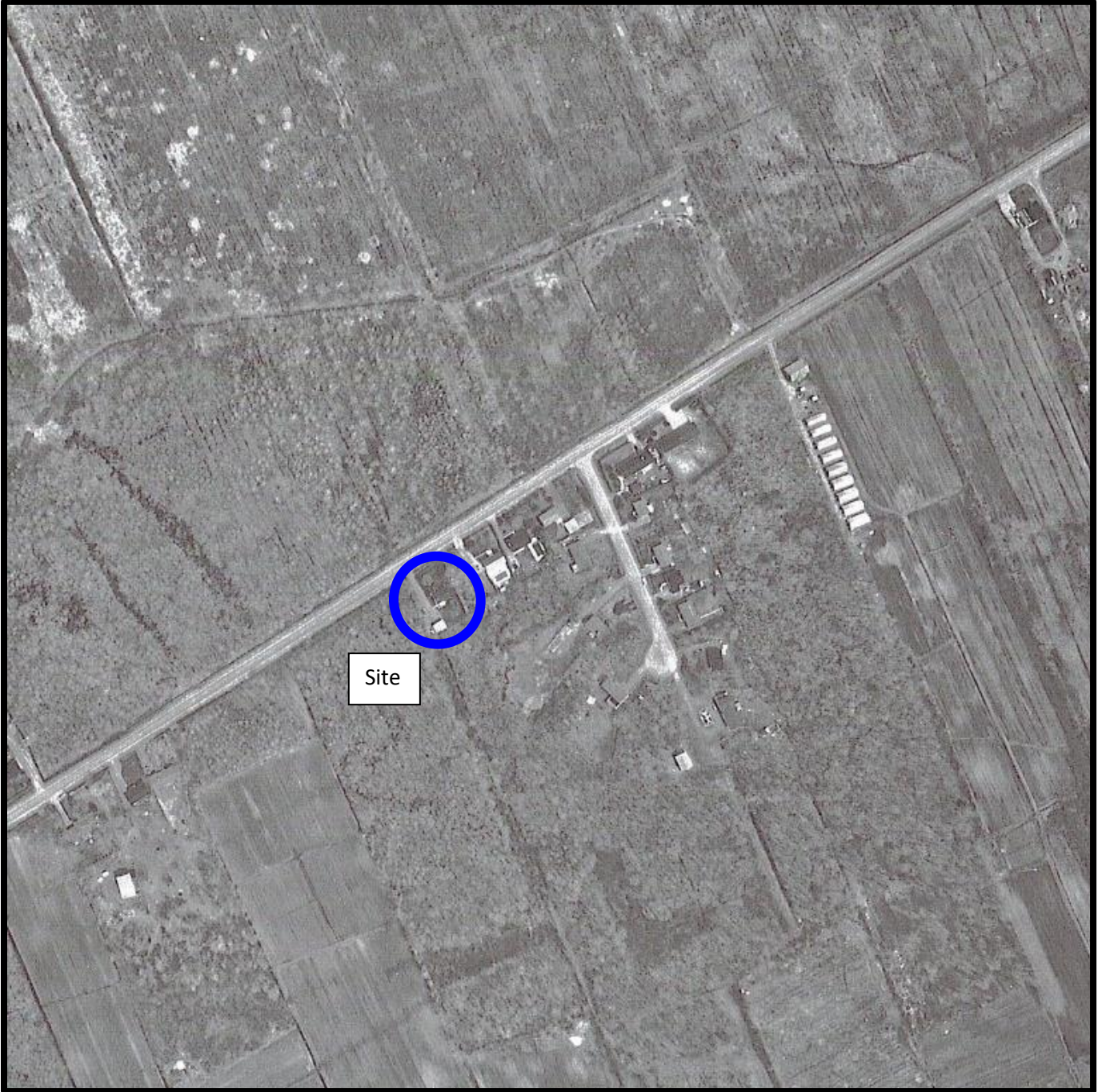
WARNING: NO PERSON MAY COPY, REPRODUCE, DISTRIBUTE OR ALTER THIS PLAN IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF FARLEY, SMITH & DENIS SURVEYING LTD. © FARLEY, SMITH & DENIS SURVEYING LTD., 2024.



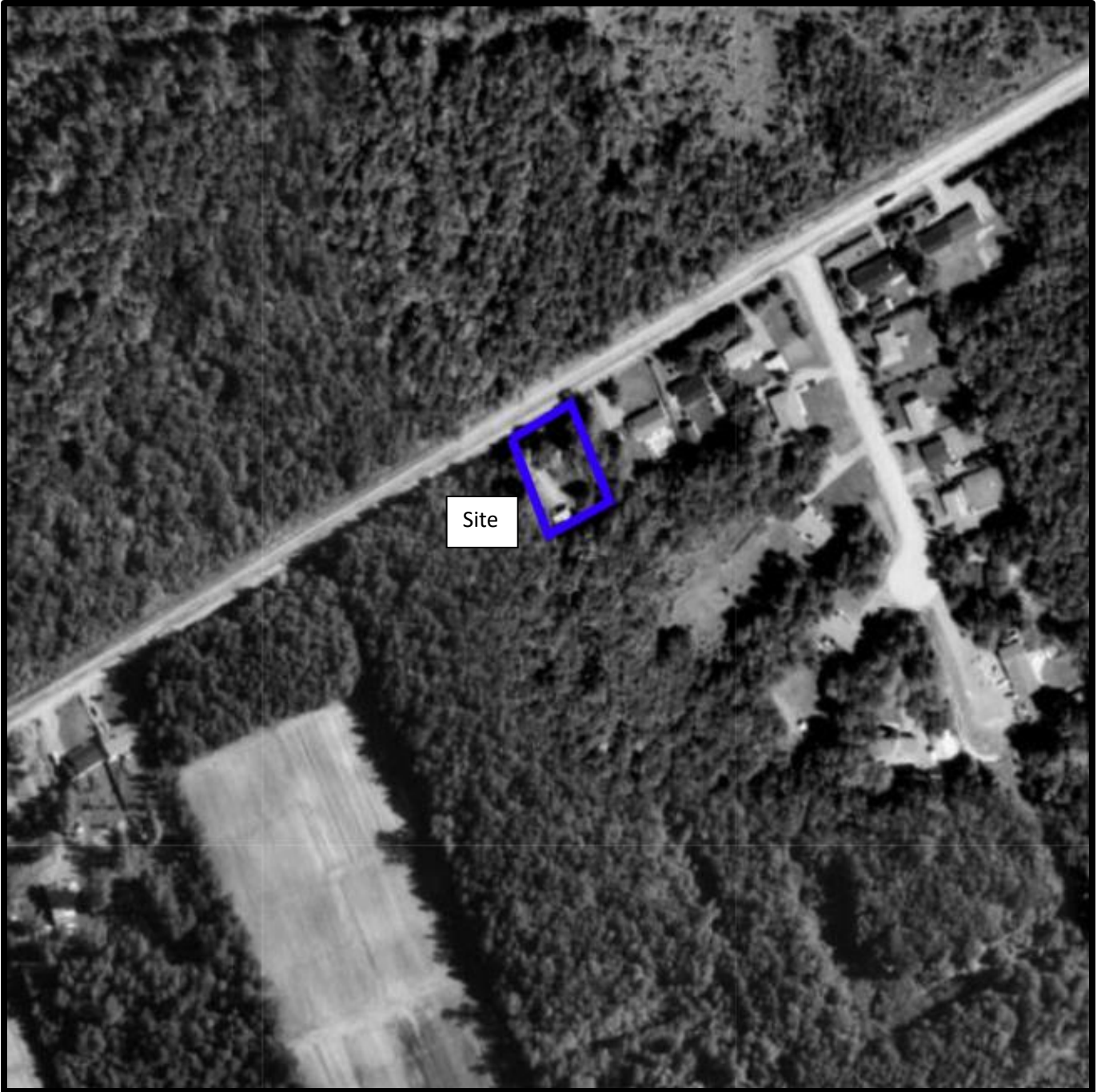
AERIAL PHOTOGRAPH
1965



AERIAL PHOTOGRAPH
1976



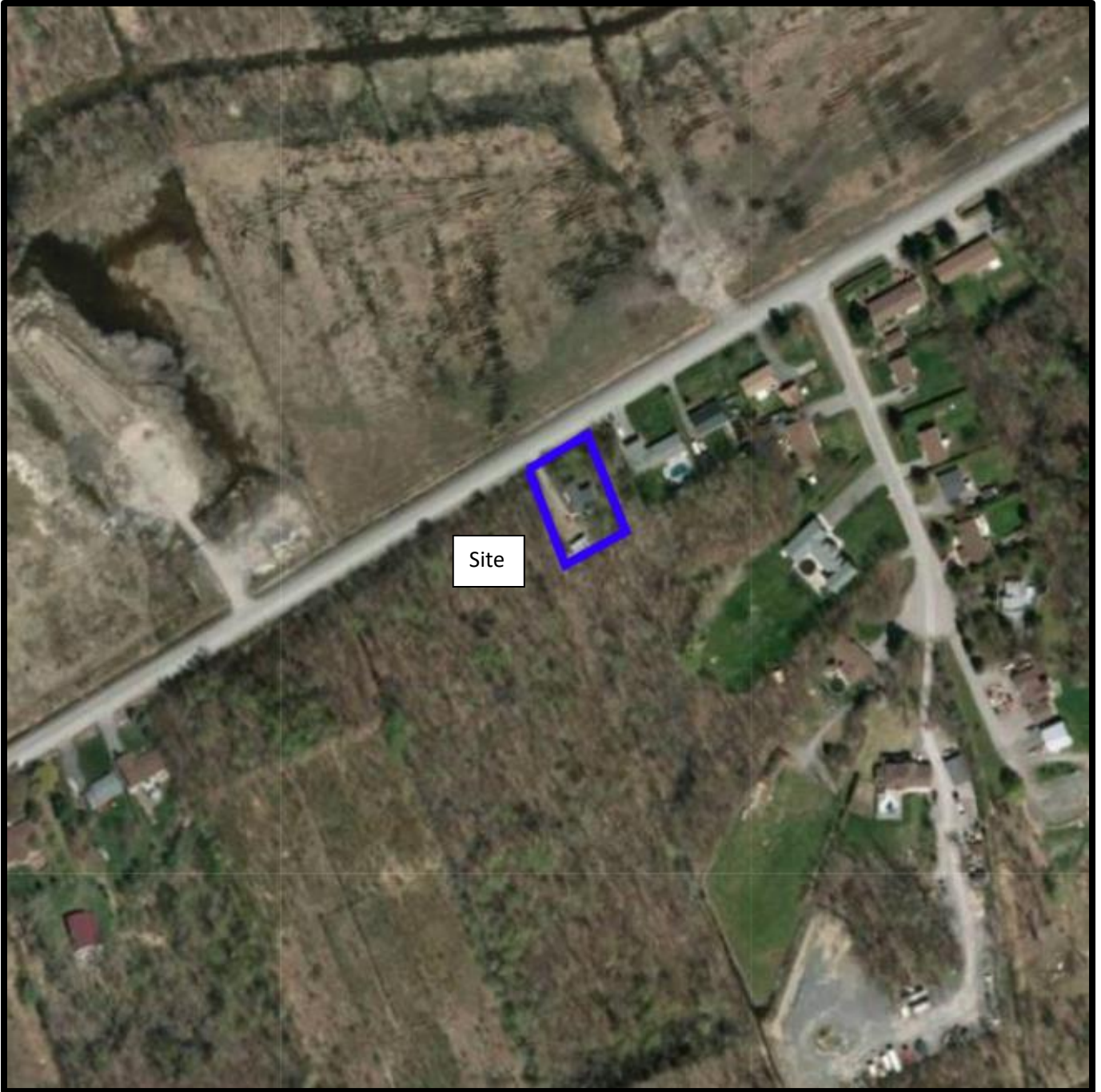
AERIAL PHOTOGRAPH
1988



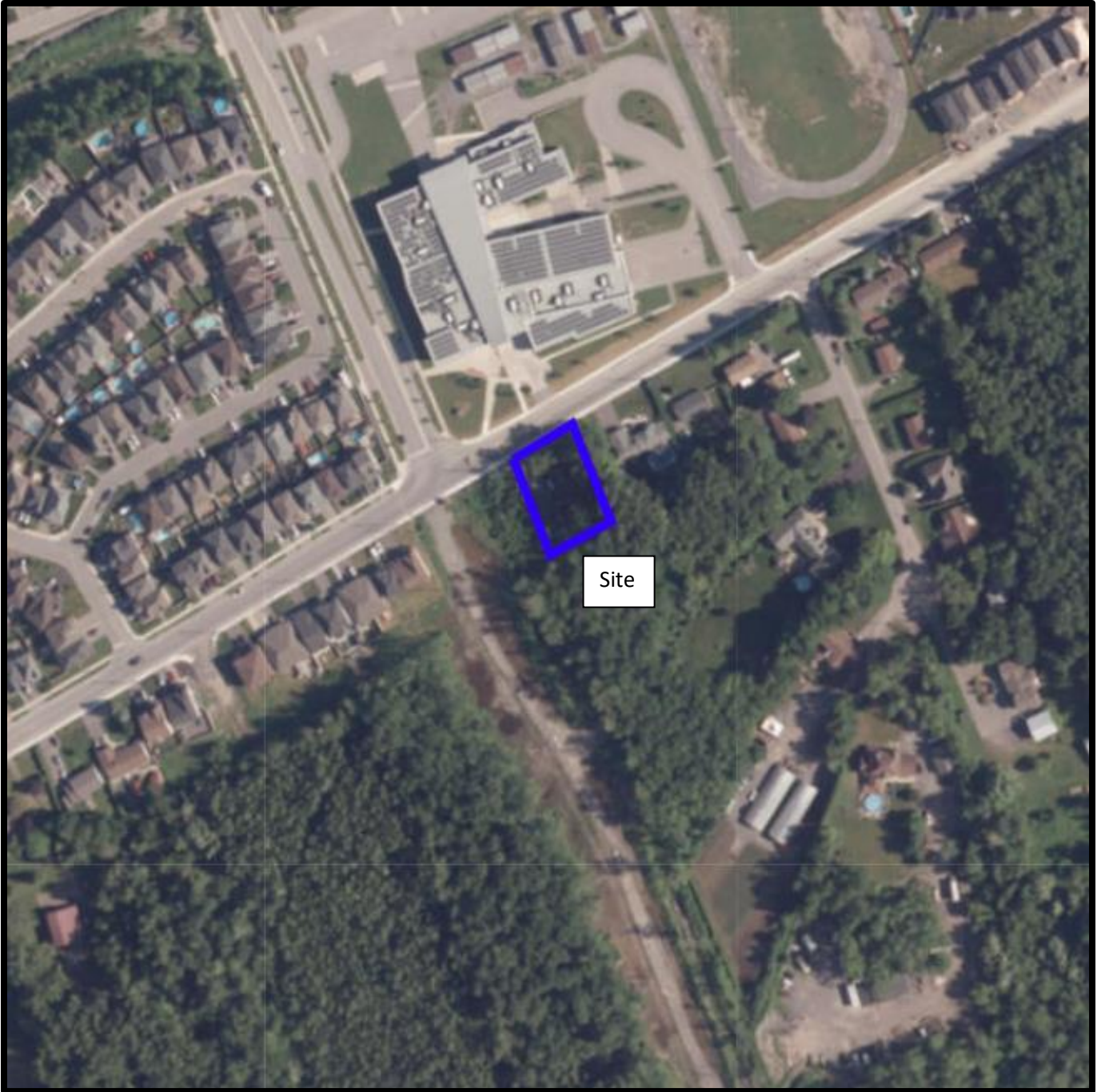
AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2022

Site Photographs

PE6788

6408 Renaud Road, Ottawa ON

October 18, 2024



Photograph 1: View of the northwestern portion of the Phase I Property, facing south.



Photograph 2: View of the northern portion of the Phase I Property, facing east.

Site Photographs

PE6788

6408 Renaud Road, Ottawa ON

October 18, 2024



Photograph 3: View of the southwestern portion of the Phase I Property, facing west.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS 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



November 5, 2024

Kuldeep Panchal
Paterson Group
9 Auriga Drive
Ottawa, Ontario
kpanchal@patersongroup.ca

Dear Kuldeep Panchal:

RE: **MECP FOI A-2024-06845, Your Reference PE6788 – Decision Letter**

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

6408 Renaud Road, Ottawa

Timeframe: January 1st, 1900, to September 20th, 2024

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

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

If you have any questions, please contact Jessica Wilson at jessica.wilson@ontario.ca.

Yours truly,
Jessica Wilson

for
Josephine DeSouza
Manager, Access and Privacy Office



WATER WELL RECORD

Water management in Ontario

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

11
1 2

17510705

MUNICIP.

15002

CON

AF

C 044

COUNTY OR DISTRICT Carleton	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Gloucester	CON., BLOCK, TRACT, SURVEY, ETC. 4 OF	LOT 003
---------------------------------------	---	---	-------------------

Navan, Ont.

DATE COMPLETED 48-53

DAY **30** MO **06** YR **70**

HING **031130**

RC **4**

ELEVATION **0283**

RC **4**

BASIN CODE **25**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
blue	clay			0	85
grey	gravel			85	98
grey	limestone			98	100

31	0085305	0098211	0100015
32			

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
10-13 0100	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY
15-18	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY
20-23	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY
25-28	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY
30-33	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	<input checked="" type="checkbox"/> GALVANIZED	5/10	0	0100
17-18	<input type="checkbox"/> STEEL			
24-25	<input type="checkbox"/> STEEL			

SCREEN

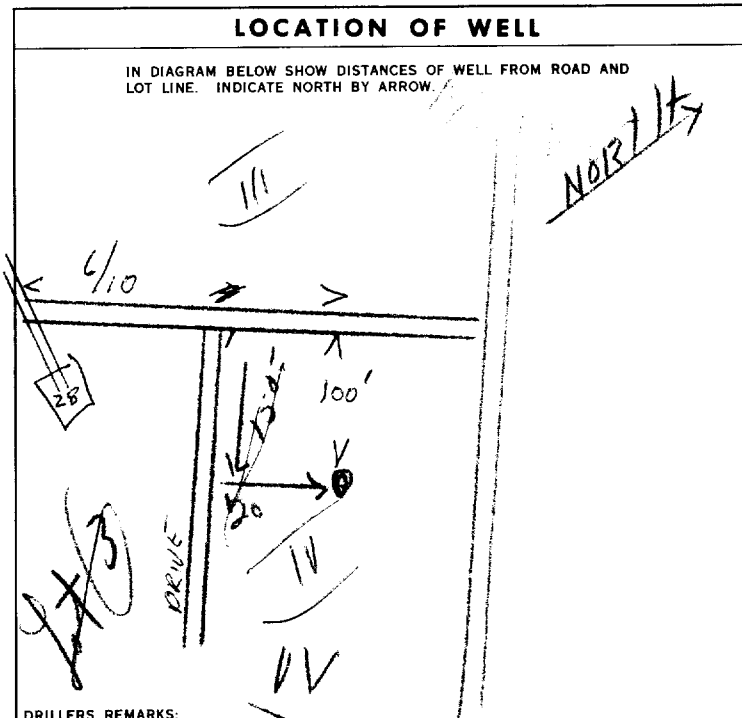
SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE
10-13	
18-21	
26-29	

71 PUMPING TEST

PUMPING TEST METHOD <input checked="" type="checkbox"/> PUMP	PUMPING RATE 0006 GPM.	DURATION OF PUMPING 02 HOURS 00 MINS.
STATIC LEVEL 034 FEET	WATER LEVEL END OF PUMPING 050 FEET	WATER LEVELS DURING PUMPING
15 MINUTES 045 FEET	30 MINUTES 050 FEET	45 MINUTES 050 FEET
60 MINUTES 050 FEET		
RECOMMENDED PUMP TYPE <input checked="" type="checkbox"/> SHALLOW	RECOMMENDED PUMP SETTING 060 FEET	RECOMMENDED PUMPING RATE 0006 GPM.



FINAL STATUS OF WELL

WATER SUPPLY

WATER USE

01 DOMESTIC

METHOD OF DRILLING

DIAMOND

NAME OF WELL CONTRACTOR G. Charbonneau, Diamond & Cable Drilling, 1504	LICENCE NUMBER
ADDRESS R. R. 2, Box 194, Orleans, Ont.	
NAME OF DRILLER OR BORER R. Wolfe	LICENCE NUMBER
SIGNATURE OF CONTRACTOR <i>G. Charbonneau</i>	SUBMISSION DATE DAY 30 MO 6 YR 70

DATA SOURCE 1	CONTRACTOR 1504	DATE RECEIVED 230271
DATE OF INSPECTION	INSPECTOR <i>[Signature]</i>	REMARKS



WATER WELL RECORD

316/sh

ONTARIO

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

11

1512442

MUNICIP. 15002

CON. OF

04

COUNTY OR DISTRICT: **Carleton** TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: **Gloucester** CON., BLOCK, TRACT, SURVEY, ETC.: **4 OF** LOT: **003**

DATE COMPLETED: 48-53 DAY: **02** MO: **06** YR: **72**

ADDRESS: **line, Orleans, Ont.**

ING: **231120** RC: **4** ELEVATION: **0284** RC: **4** BASIN CODE: **25**

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
blue	clay			0	114
grey	gravel			114	134
grey	limestone			134	165

31 **0114305** **0134211** **0145215**

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER			
10-13	<input checked="" type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
15-18	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
20-23	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
25-28	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL
30-33	<input type="checkbox"/> FRESH	<input type="checkbox"/> SALTY	<input type="checkbox"/> SULPHUR	<input type="checkbox"/> MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET	
			FROM	TO
10-11	<input checked="" type="checkbox"/> GALVANIZED	3	0	0136
17-18	<input checked="" type="checkbox"/> OPEN HOLE	4		
24-25	<input checked="" type="checkbox"/> OPEN HOLE	4		

SCREEN

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

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT, LEAD PACKER, ETC.
10-13		
18-21		
26-29		

71 PUMPING TEST

PUMPING TEST METHOD: PUMP BAILER

PUMPING RATE: **0006** GPM

DURATION OF PUMPING: **02** HOURS **00** MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING			
003 FEET	040 FEET	15 MINUTES: 015 FEET	30 MINUTES: 020 FEET	45 MINUTES: 025 FEET	60 MINUTES: 040 FEET

RECOMMENDED PUMP TYPE: SHALLOW DEEP

RECOMMENDED PUMP SETTING: **060** FEET

RECOMMENDED PUMPING RATE: **0006** GPM

LOCATION OF WELL

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

DRILLERS REMARKS:

FINAL STATUS OF WELL

WATER SUPPLY

WATER USE **01**

METHOD OF DRILLING

DIAMOND

CONTRACTOR

NAME OF WELL CONTRACTOR: **G. Charbonneau, Diamond & Cable Drilling** LICENCE NUMBER: **055**

ADDRESS: **R. R. 2, Box 194, Orleans, Ont.**

NAME OF DRILLER OR BORER: **R. Wolfe** LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: *[Signature]* SUBMISSION DATE: DAY **2** MO **6** YR **72**

OFFICE USE ONLY

DATA SOURCE: **1** CONTRACTOR: **1504** DATE RECEIVED: **240473**

DATE OF INSPECTION: _____ INSPECTOR: *[Signature]*

REMARKS: _____

P **K**

WI

8-4605310

5031140



Water management in Ontario

1510699

3/6/52 Kim

5 R 01285

The Ontario Water Resources Commission Act

WATER WELL RECORD

25

County or District Carleton Township, Village, Town or City Gloucester
 Con. 40 F Lot 3 Date completed 20 February 1969
 (day month year)
 Address Navan, Ontario

Casing and Screen Record

Inside diameter of casing 2"
 Total length of casing 105'
 Type of screen
 Length of screen
 Depth to top of screen
 Diameter of finished hole 2"

Pumping Test

Static level 30'
 Test-pumping rate 10 G.P.M.
 Pumping level 40'
 Duration of test pumping 2 hrs.
 Water clear or cloudy at end of test clear
 Recommended pumping rate 6 G.P.M.
 with pump setting of 50 feet below ground surface

Well Log

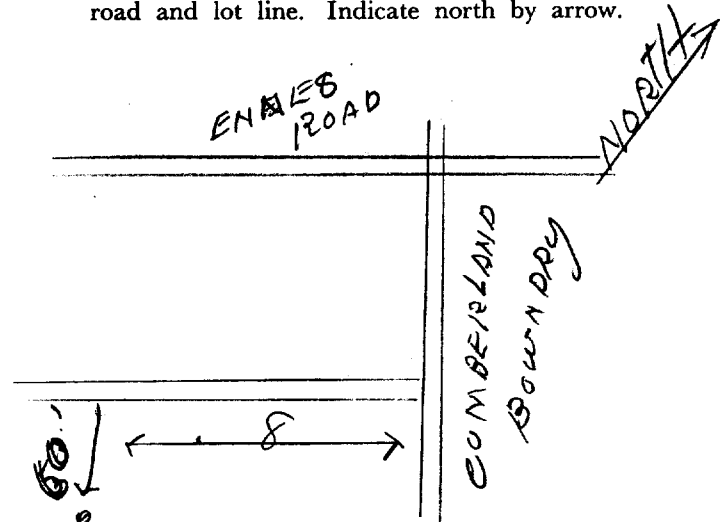
Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
<u>yellow sand</u>	<u>0</u>	<u>5</u>	<u>110</u>	<u>fresh</u>
<u>blue clay</u>	<u>5</u>	<u>100</u>		
<u>brown slate</u>	<u>100</u>	<u>110</u>		

For what purpose(s) is the water to be used? domestic
 Is well on upland, in valley, or on hillside? upland
 Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling,
 Address R. R. 1, Box 194, Orleans, Ont.
 Licence Number 3395
 Name of Driller or Borer G. Charbonneau
 Address R. R. 1, Box 194, Orleans, Ont.
 Date 20 February, 1969
 Signature of Licensed Drilling or Boring Contractor [Signature]

Location of Well

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



Form 7

OWRC COPY

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CODED



Water management in Ontario

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the

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.M
118Z 4603110
4R 5031110
3V. 4R 0282

The Ontario Water Resources Commission Act

WATER WELL RECORD

sin 25
County or District Carleton

Township, Village, Town or City Gloucester

Con. 3 OF Lot 3

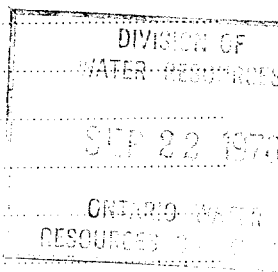
Date completed 20 February 1970
(day month year)

Address Box 99, Navan, Ontario

Casing and Screen Record

Pumping Test

Inside diameter of casing 6" OD
Total length of casing 130'
Type of screen
Length of screen
Depth to top of screen
Diameter of finished hole 6"



Static level 40'
Test-pumping rate 14 G.P.M.
Pumping level 55'
Duration of test pumping 2 hrs.
Water clear or cloudy at end of test clear
Recommended pumping rate 6 G.P.M.
with pump setting of 70 feet below ground surface

Well Log

Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
sand	0	5	185	fresh
blue clay	5	125		
brown slate	125	185		

For what purpose(s) is the water to be used? farm & gardening

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm

G. Charbonneau, Diamond & Cable Drilling,

Address R. R. 1, Box 194, Orleans, Ont.

Licence Number 1504

Name of Driller or Borer Jean-Claude Piché

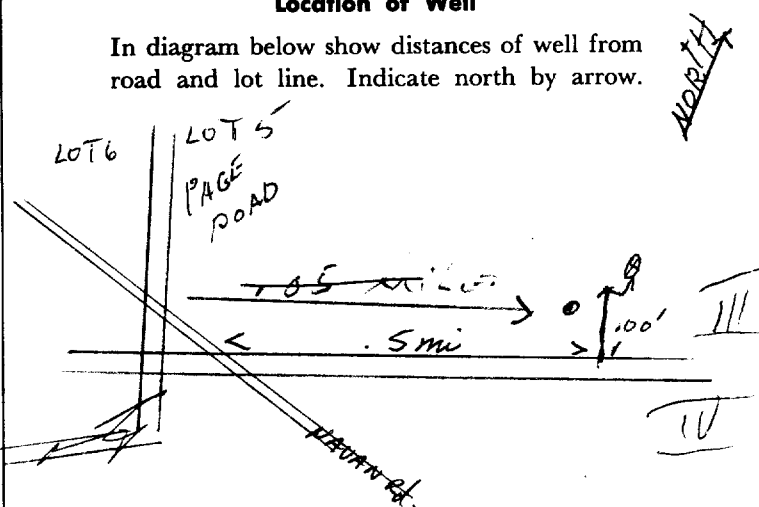
Address St. Albert, Ontario.

Date 20 February, 1970

Gerard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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





Measurements recorded in: Metric Imperial

A153987

CONSEIL DES ECOLES CATHOLIQUES DU CENTRE EST.

Address of Well Location (Street Number/Name): RENAUD ROAD / WHITE STREET

County/District/Municipality: ORLEANS City/Town/Village: OTTAWA Province: Ontario Postal Code: _____

JTM Coordinates: Zone 18 Easting 4605275 Northing 031484344 Municipal Plan and Sublot Number: _____ Other: _____

Overburden and Bedrock Materials/Abandonment Sealing Record (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
<u>DARK BROWN</u>	<u>TOPSOIL</u>		<u>SANDY LOAM</u>	0 0.2
<u>BROWN, BENEATH</u>	<u>SAND</u>	<u>SILT</u>	<u>LOOSE TO COMPACT, MOIST</u>	0.2 0.5
<u>BROWN GRAY -> GRAY</u>	<u>CLAY</u>	<u>SILTY CLAY</u>	<u>STIFF TO SOFT, MOIST TO WET</u>	0.5 6.1

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0 2.6	<u>BENTONITE</u>	

Results of Well Yield Testing

	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
After test of well yield, water was:				
<input type="checkbox"/> Clear and sand free				
<input type="checkbox"/> Other, specify _____				
If pumping discontinued, give reason:	Static Level			
	1		1	
Pump intake set at (m/ft)	2		2	
Pumping rate (l/min / GPM)	3		3	
	4		4	
Duration of pumping hrs + min	5		5	
Final water level end of pumping (m/ft)	10		10	
If flowing give rate (l/min / GPM)	15		15	
	20		20	
Recommended pump depth (m/ft)	25		25	
Recommended pump rate (l/min / GPM)	30		30	
	40		40	
Well production (l/min / GPM)	50		50	
	60		60	
Disinfected?				
<input type="checkbox"/> Yes <input type="checkbox"/> No				

Method of Construction

Cable Tool Diamond Rotary (Conventional) Jetting Rotary (Reverse) Driving Boring Digging Air percussion Other, specify HSA

Well Use

Public Commercial Not used Domestic Municipal Dewatering Livestock Test Hole Monitoring Irrigation Cooling & Air Conditioning Industrial Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
3.18	<u>PVC</u>	<u>SCREWED 40</u>	0	2.9	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
3.88	<u>PVC</u>	<u>10</u>	2.9	5.9

Water Details

Water found at Depth 1.6 (m/ft) Kind of Water: Fresh Untested Gas Other, specify _____

Water found at Depth _____ (m/ft) Kind of Water: Fresh Untested Gas Other, specify _____

Water found at Depth _____ (m/ft) Kind of Water: Fresh Untested Gas Other, specify _____

Hole Diameter

Depth (m/ft)	Diameter (cm/in)
0 6.1	20.3

Well Contractor and Well Technician Information

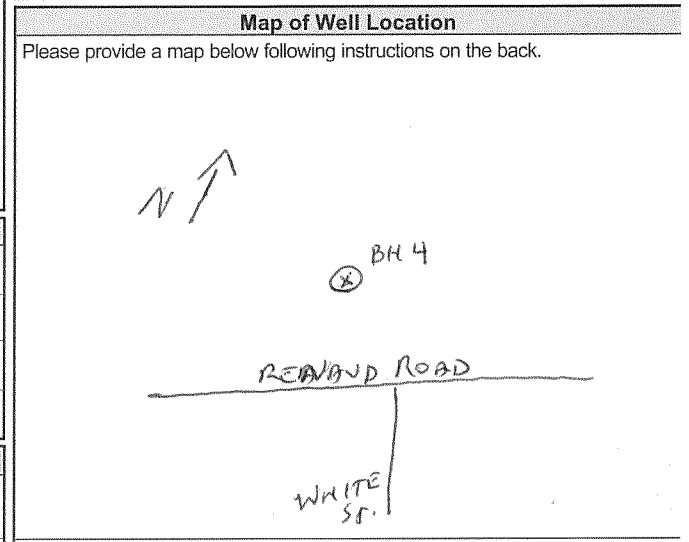
Business Name of Well Contractor: GEORGE DOWNING ESTATE DRILLING Well Contractor's Licence No.: 11844

Business Address (Street Number/Name): 410 RUE PRINCIPALE, GRENVILLE-SUR-LA-ROUGE Municipality: _____

Province: QC Postal Code: J1V1B0 Business E-mail Address: downing@hank.qc.net

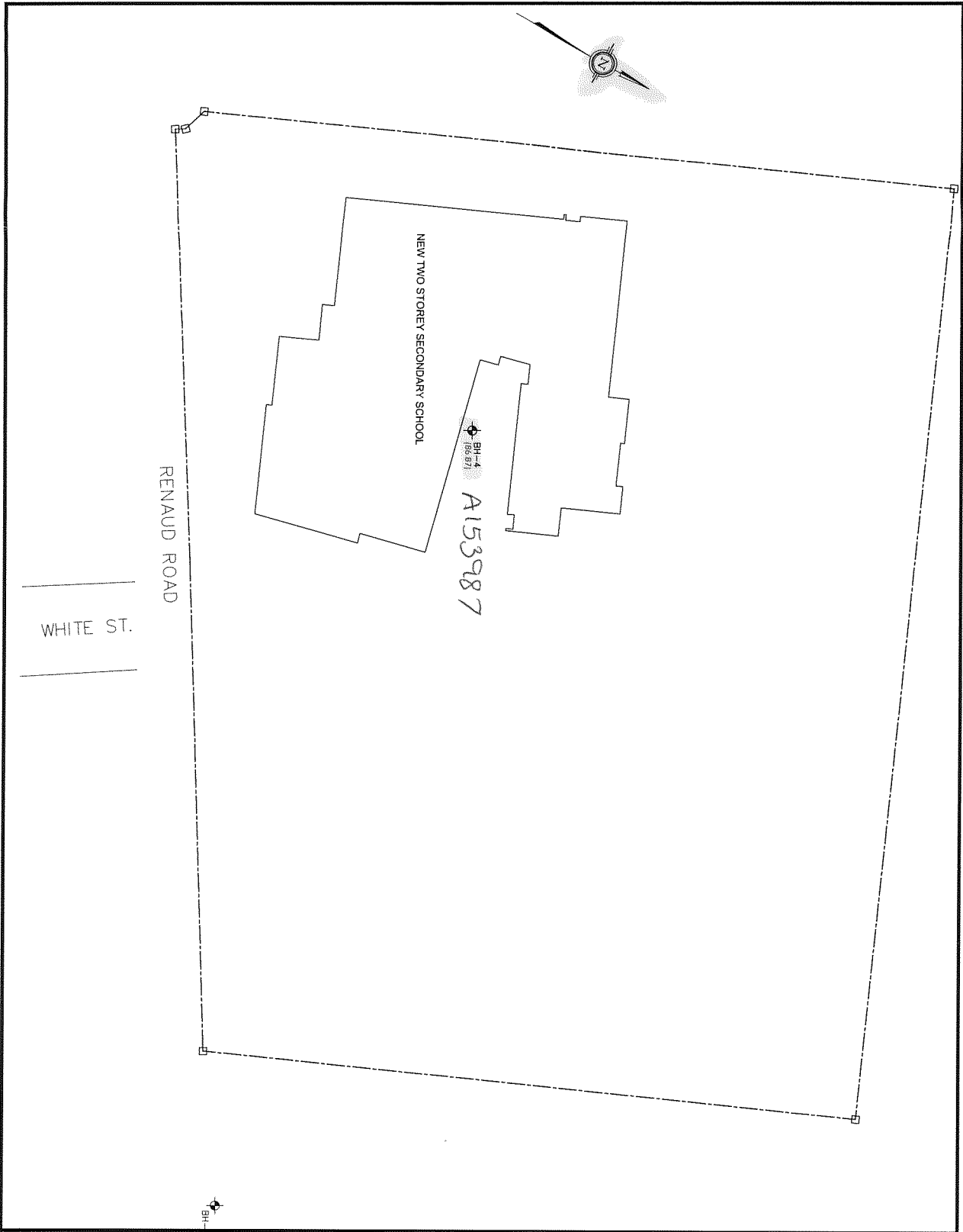
Business Telephone No. (inc. area code): 31192426469 Name of Well Technician (Last Name, First Name): STEPHEN DOWNING

Well Technician's Licence No.: 313216 Signature of Technician and/or Contractor: _____ Date Submitted: 2013/10/04



Comments: ALSO SEE ATTACHED

Well owner's information package delivered <input type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered	Ministry Use Only
	Date Work Completed	
	<u>2013/10/04</u>	Audit No. <u>Z163964</u>
		Received <u>JUN 11 2013</u>



2163964

Legend

Property Line
 BH-39
 (89391)
 Borehole Location And
 Ground Surface Elevation

JUN 1 1 2015

C-1844 2163964

NO.	REVISIONS	BY	DATE

LRL
 1-2884 Chambrland Street
 Rockland, Ontario
 K4K 1M6
 (613) 446-7777
 ASSOCIATES ASSOCIÉS
 (877) 632-5664
 www.LRL.ca
 ENGINEERS INCORPORÉ
 K.Y. (613) 446-1427

CLIENT
 Conseil des écoles catholiques
 du Centre-Est

DESIGNED BY: M.L.
 DRAWN BY: M.L.
 APPROVED BY: M.E.

PROJECT
 GEOTECHNICAL INVESTIGATION
 RENAUD ROAD
 OTTAWA, ONTARIO

DRAWING TITLE
 SITE PLAN

PROJECT NO.
 130707
DATE
 OCTOBER 2013

RE: PE6788 - Records Search Request

From Public Information Services <publicinformationsservices@tssa.org>

Date Fri 10/11/2024 2:37 PM

To Kuldeep Panchal <KPanchal@patersongroup.ca>

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

Hello ,

NO RECORDS FOUND IN CURRENT DATABASE:

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

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

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

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

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

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

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

Kind regards,

Slavka Zahrebelny | Public Information & Records Agent

Public Information

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org

www.tssa.org



Winner of 2024 5-Star Safety Cultures Award

From: Kuldeep Panchal <KPanchal@patersongroup.ca>

Sent: Friday, October 11, 2024 2:21 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: PE6788 - 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.

Hello,

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:

Renaud Road: 6367, 6368, 6401, 6408, 6418, 6426

White Street: 2504, 2508, 2510, 2516

Best Regards,



KULDEEP PANCHAL

Junior Environmental Scientist

Environmental Division

TEL: (613) 226-7381 ext.103

DIRECT: (613) 701-6276

9 AURIGA DRIVE

OTTAWA ON K2E 7T9

patersongroup.ca

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

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

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.

November 14, 2024

Kuldeep Panchal
Paterson Group

Sent via email kpanchal@Patersongroup.ca

Dear Kuldeep Panchal,

**Re: Information Request
Site Address Ottawa, Ontario (“6408 Renaud Road”)**

Internal Department Circulation:

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

- **Environmental Remediation Unit:** The City’s Environmental Remediation Unit does not have any environmental records for this property.
- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website:
<https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx>
- **Sewer Use Program:** No records found for this property.
- **Solid Waste Services:** The subject property is within **1.5** kilometers of the WSI Landfill located at 3354 Navan Road.

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.](#)”

HLUI Map

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

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

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

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

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the

HLUI database is provided on an “as is” basis with no representation or warranty by the City with respect to the information’s accuracy or exhaustiveness in responding to the request.

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

Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

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

Sincerely,

Nathan Li

Student Planner

Development Review

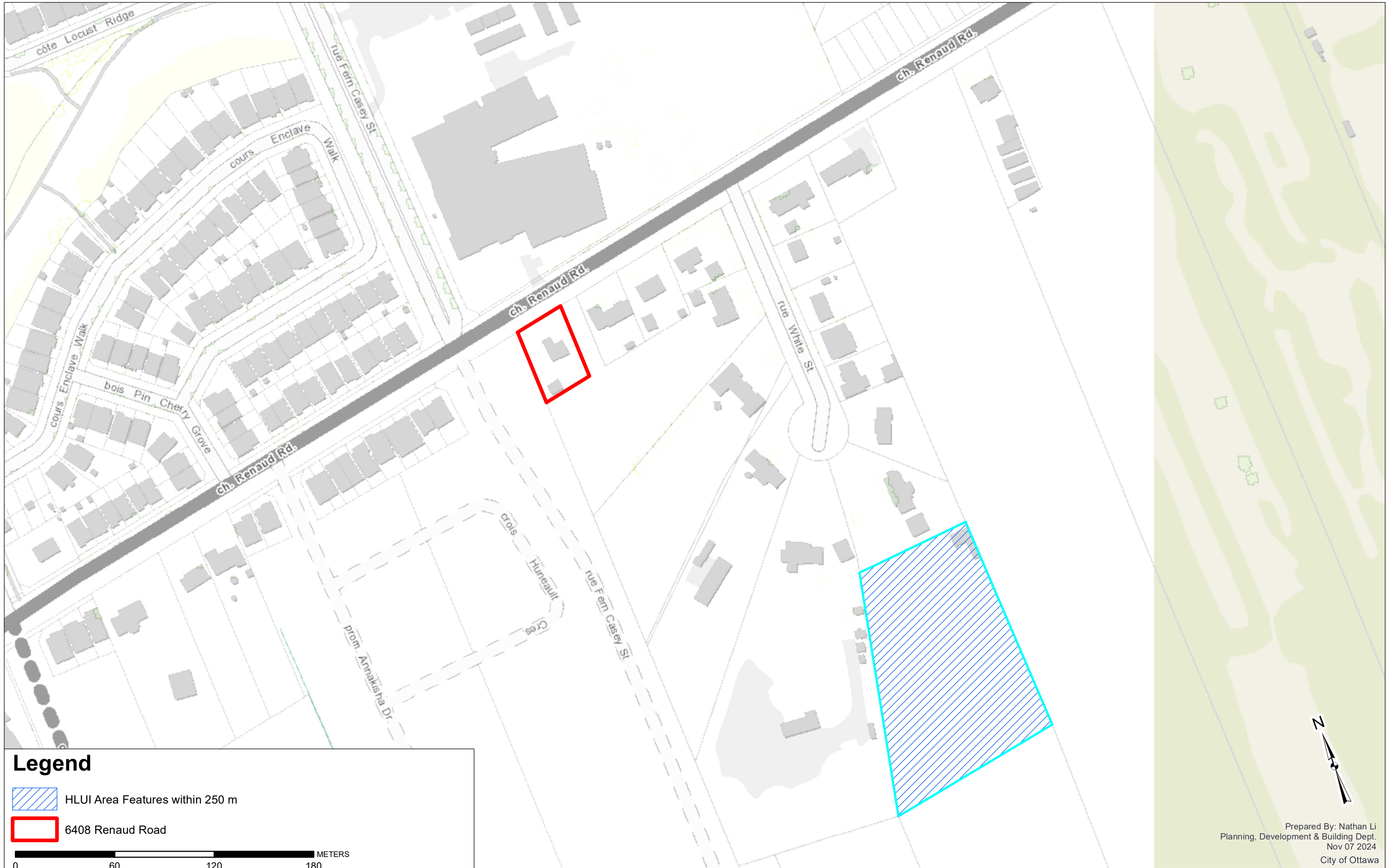
Planning, Development and Building Services Department

Enclosures: (2)



1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0129

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



Legend

-  HLUI Area Features within 250 m
-  6408 Renaud Road

0 60 120 180 METERS

HLUI SUMMARY REPORT
 AREA FEATURES

OBJECTID *	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	SHAPE *	SHAPE.AREA
10600	TAILLEFER ANDRE	Wholesale trade	2012-ES	1	<Null>	<Null>	3509	NAVAN	RD		<Null>	3509	NAVAN	RD		K4B1H9	43522146	GLOUCESTER	416390	<Null>	<Null>	<Null>	Polygon	12182.38885



DATABASE REPORT

Project Property: *PE6788
6408 Renaud Road
Navan ON K4B 1H9
61515*

Project No: *61515*

Report Type: *Standard Report*

Order No: *24100901304*

Requested by: *Paterson Group Inc.*

Date Completed: *October 10, 2024*

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property: PE6788
6408 Renaud Road Navan ON K4B 1H9

Project No: 61515

Coordinates:

Latitude: 45.4347145
Longitude: -75.504537
UTM Northing: 5,031,367.31
UTM Easting: 460,536.62
UTM Zone: 18T

Elevation: 278 FT
84.73 M

Order Information:

Order No: 24100901304
Date Requested: October 9, 2024
Requested by: Paterson Group Inc.
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	2	2
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	1	1
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	5	5
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	4	4
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPR2	<i>National Pollutant Release Inventory 1993-2020</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory - Historic</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PFAS	<i>Ontario PFAS Spills</i>	Y	0	0	0
PFCH	<i>NPRI Reporters - PFAS Substances</i>	Y	0	0	0
PFHA	<i>Potential PFAS Handlers from NPRI</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	2	2
PPHA	<i>Potential PFAS Handlers from EASR</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	5	5

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
		<hr/>			
		Total:	0	20	20

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>
1	BORE		ON	SE/20.7	0.16	16
2	WWIS		lot 3 con 4 ON Well ID: 1510705	SE/20.9	0.16	17
3	WWIS		lot 3 con 4 ON Well ID: 1510699	E/24.8	0.16	20
4	WWIS		lot 3 con 4 ON Well ID: 1512442	SSW/26.0	-0.01	23
5	PINC	ENBRIDGE GAS INC	6418 RENAUD RD.,OTTAWA,ON,K4B 1H9,CA ON	ENE/38.0	0.37	26
6	EHS		Navan Road & Renaud Road Ottawa ON	WNW/88.5	-0.51	27
7	EHS		2504 White Street Navan ON K4B 1H9	E/106.8	0.83	27
8	WWIS		RENAUD RD/WHITE ST. OTTAWA ON Well ID: 7242931	N/117.1	0.01	27
9	SPL		Opposite 6401 Renault Rd. OTTAWA OTTAWA ON	NNW/126.5	-0.17	30
10	ECA	Conseil scolaire de district catholique du Centre-Est de l'Ontario	6401 Renaud Rd Ottawa ON K1J 1A1	NW/176.0	-0.68	31
10	GEN	Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW/176.0	-0.68	31
10	GEN	Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW/176.0	-0.68	32

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>10</u>	GEN	Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW/176.0	-0.68	<u>32</u>
<u>10</u>	PINC	ENBRIDGE GAS INC	6401 RENAUD RD.,,OTTAWA,ON,K4B 1H9,CA ON	NW/176.0	-0.68	<u>32</u>
<u>10</u>	GEN	Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW/176.0	-0.68	<u>33</u>
<u>10</u>	EHS		Part 6401 Renaud Road Ottawa ON K1W 0H8	NW/176.0	-0.68	<u>33</u>
<u>11</u>	BORE		ON	W/201.0	-1.85	<u>34</u>
<u>12</u>	WWIS		lot 3 con 3 ON Well ID: 1510818	W/201.0	-1.85	<u>35</u>
<u>13</u>	EHS		Renaud Road Ottawa ON	NE/211.6	0.93	<u>38</u>
<u>14</u>	EHS		Navan Rd Ottawa ON	WSW/228.0	-1.85	<u>38</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SE	20.72	<u>1</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	W	200.97	<u>11</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Aug 31, 2024 has found that there are 1 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Conseil scolaire de district catholique du Centre-Est de l'Ontario	6401 Renaud Rd Ottawa ON K1J 1A1	NW	175.97	<u>10</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2024 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2504 White Street Navan ON K4B 1H9	E	106.84	<u>7</u>
	Renaud Road Ottawa ON	NE	211.58	<u>13</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Navan Road & Renaud Road Ottawa ON	WNW	88.50	6
	Part 6401 Renaud Road Ottawa ON K1W 0H8	NW	175.97	10
	Navan Rd Ottawa ON	WSW	228.03	14

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 4 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW	175.97	10
Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW	175.97	10
Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW	175.97	10
Conseil des ecoles catholique du centre-est	6401 chemin Renaud orléans ON K1W 0H8	NW	175.97	10

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
ENBRIDGE GAS INC	6418 RENAUD RD,,OTTAWA,ON,K4B 1H9,CA ON	ENE	37.96	5

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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ENBRIDGE GAS INC	6401 RENAUD RD.,OTTAWA,ON,K4B 1H9,CA ON	NW	175.97	10
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SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

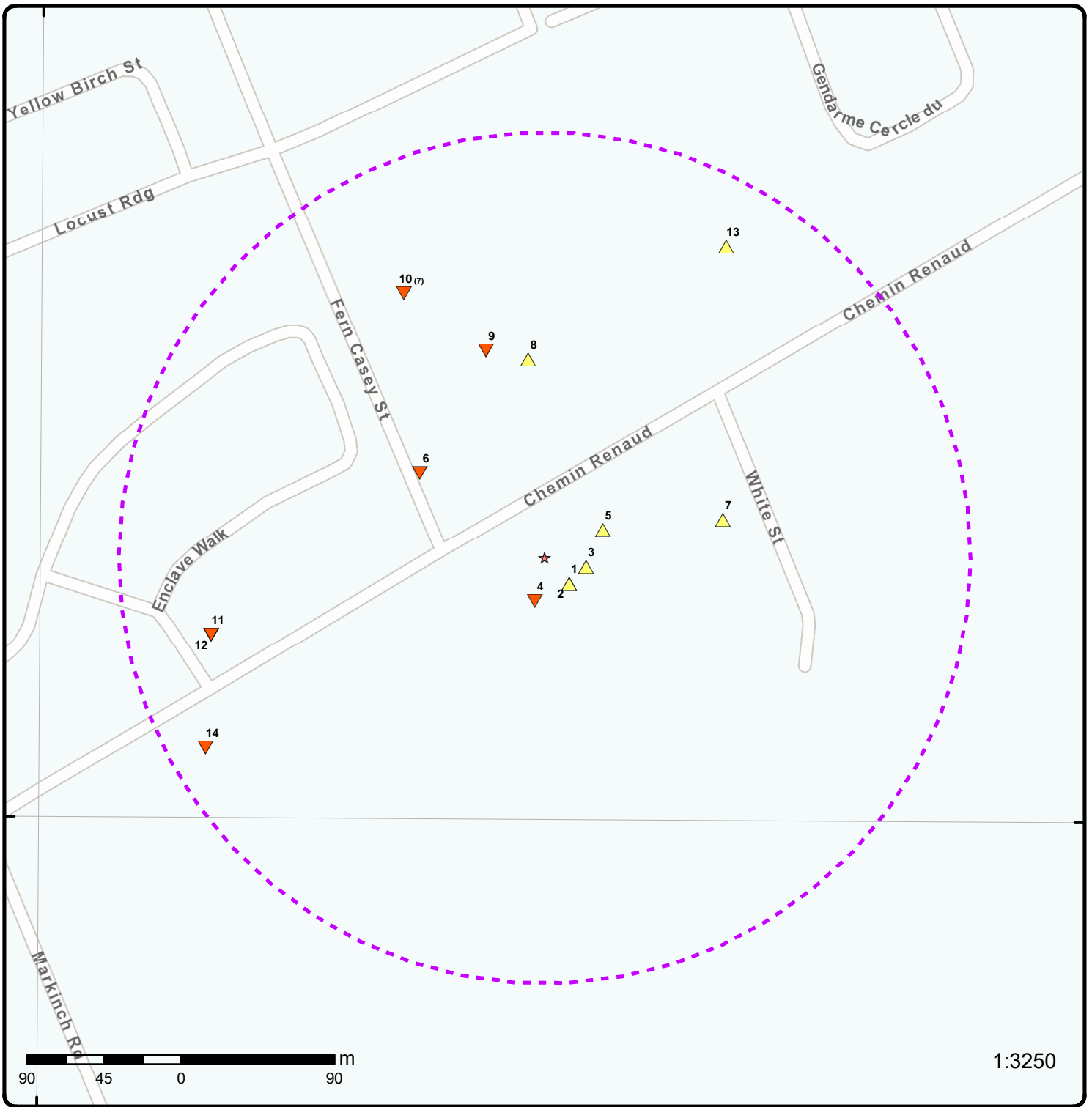
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Opposite 6401 Renault Rd. OTTAWA OTTAWA ON	NNW	126.49	9

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 3 con 4 ON <i>Well ID:</i> 1510705	SE	20.87	2
	lot 3 con 4 ON <i>Well ID:</i> 1510699	E	24.76	3
	RENAUD RD/WHITE ST. OTTAWA ON <i>Well ID:</i> 7242931	N	117.09	8

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 3 con 4 ON <i>Well ID:</i> 1512442	SSW	25.97	4
	lot 3 con 3 ON <i>Well ID:</i> 1510818	W	200.99	12



Map: 0.25 Kilometer Radius

Order Number: 24100901304

Address: 6408 Renaud Road, Navan, 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



Aerial Year: 2023

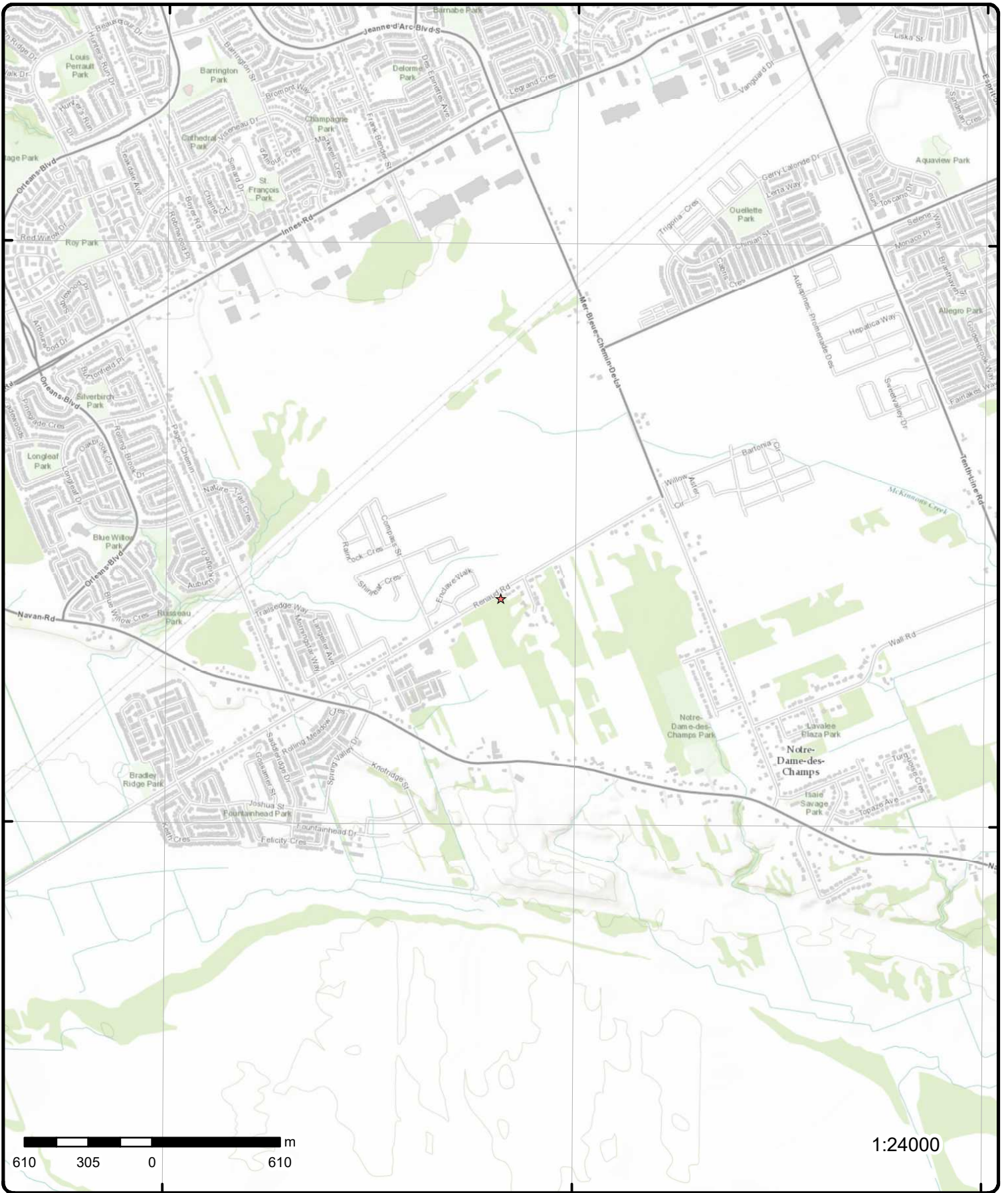
Order Number: 24100901304

Address: 6408 Renaud Road, Navan, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Order Number: 24100901304

Address: 6408 Renaud Road, ON



Source: ESRI World Topographic Map

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	SE/20.7	84.9 / 0.16	ON	BORE
Borehole ID:		616264		Inclin FLG:	No
OGF ID:		215517053		SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:		Borehole		Piezometer:	No
Use:				Primary Name:	
Completion Date:		JUN-1970		Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.434579
Total Depth m:		30.5		Longitude DD:	-75.504355
Depth Ref:		Ground Surface		UTM Zone:	18
Depth Elev:				Easting:	460551
Drill Method:				Northing:	5031352
Orig Ground Elev m:		86.3		Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:		88			
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID: 218403502	Mat Consistency:
Top Depth: 25.9	Material Moisture:
Bottom Depth: 29.9	Material Texture:
Material Color: Grey	Non Geo Mat Type:
Material 1: Gravel	Geologic Formation:
Material 2:	Geologic Group:
Material 3:	Geologic Period:
Material 4:	Depositional Gen:
Gsc Material Description:	
Stratum Description: GRAVEL. GREY.	

Geology Stratum ID: 218403501	Mat Consistency:
Top Depth: 0	Material Moisture:
Bottom Depth: 25.9	Material Texture:
Material Color: Blue	Non Geo Mat Type:
Material 1: Clay	Geologic Formation:
Material 2:	Geologic Group:
Material 3:	Geologic Period:
Material 4:	Depositional Gen:
Gsc Material Description:	
Stratum Description: CLAY. BLUE.	

Geology Stratum ID: 218403503	Mat Consistency:
Top Depth: 29.9	Material Moisture:
Bottom Depth: 30.5	Material Texture:
Material Color: Dark	Non Geo Mat Type:
Material 1: Limestone	Geologic Formation:
Material 2:	Geologic Group:
Material 3:	Geologic Period:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 0010000090000000500010100. BEDROCK. WEATHERED. BEDROCK. DARK,G **Note:
 Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08772 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

2	1 of 1	SE/20.9	84.9 / 0.16	lot 3 con 4 ON	WWIS
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Well ID: 1510705
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/23/1971
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession: 04
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510705.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/30/1970
Year Completed: 1970
Depth (m): 30.48
Latitude: 45.434577500041
Longitude: -75.5043544455347
X: -75.50435428356923
Y: 45.43457749271032
Path: 151\1510705.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	10032725			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	460550.80
Code OB Desc:				North83:	5031352.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	06/30/1970			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931015623				
Layer:	3				
Color:	2				
General Color:	GREY				
Material 1:	15				
Material 1 Desc:	LIMESTONE				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	98.0				
Formation End Depth:	100.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931015622				
Layer:	2				
Color:	2				
General Color:	GREY				
Material 1:	11				
Material 1 Desc:	GRAVEL				
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:	85.0				
Formation End Depth:	98.0				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	931015621				
Layer:	1				
Color:	3				
General Color:	BLUE				
Material 1:	05				
Material 1 Desc:	CLAY				
Material 2:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		85.0			
Formation End Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		961510705			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10581295			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930058019			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		100.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991510705			
Pump Set At:					
Static Level:		34.0			
Final Level After Pumping:		50.0			
Recommended Pump Depth:		60.0			
Pumping Rate:		6.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934097301			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		45.0			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934641195			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934380036			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934897981			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		50.0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933465741			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100.0			
Water Found Depth UOM:		ft			

<u>3</u>	1 of 1	<i>E/24.8</i>	<i>84.9 / 0.16</i>	<i>lot 3 con 4 ON</i>	<i>WWIS</i>
Well ID:	1510699			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Domestic			Data Entry Status:	
Use 2nd:	0			Data Src:	1
Final Well Status:	Water Supply			Date Received:	07/30/1970
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:				Contractor:	1504
Tag:				Form Version:	1
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliabilty:				Lot:	003
Depth to Bedrock:				Concession:	04
Well Depth:				Concession Name:	OF
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510699.pdf				

Additional Detail(s) (Map)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Completed Date:		02/20/1969			
Year Completed:		1969			
Depth (m):		33.528			
Latitude:		45.4346680733699			
Longitude:		-75.5042274030095			
X:		-75.50422724116132			
Y:		45.43466806586785			
Path:		151\1510699.pdf			

Bore Hole Information

Bore Hole ID:	10032722	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	460560.80
Code OB Desc:		North83:	5031362.00
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	02/20/1969	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931015615
Layer:	2
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	5.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931015614
Layer:	1
Color:	5
General Color:	YELLOW
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	5.0
Formation End Depth UOM:	ft

<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>
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931015616			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		19			
Material 1 Desc:		SLATE			
Material 2:					
Material 2 Desc:					
Material 3:					
Material 3 Desc:					
Formation Top Depth:		100.0			
Formation End Depth:		110.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961510699			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581292			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058014			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		110.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058013			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		105.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991510699			
Pump Set At:					
Static Level:		30.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping:		40.0			
Recommended Pump Depth:		50.0			
Pumping Rate:		10.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			

Water Details

Water ID: 933465738
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 110.0
Water Found Depth UOM: ft

<u>4</u>	1 of 1	SSW/26.0	84.7 / -0.01	lot 3 con 4 ON	WWIS
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Well ID:	1512442	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:	Domestic	Data Entry Status:	
Use 2nd:	0	Data Src:	1
Final Well Status:	Water Supply	Date Received:	04/24/1973
Water Type:		Selected Flag:	TRUE
Casing Material:		Abandonment Rec:	
Audit No:		Contractor:	1504
Tag:		Form Version:	1
Constructn Method:		Owner:	
Elevation (m):		County:	OTTAWA-CARLETON
Elevatn Reliability:		Lot:	003
Depth to Bedrock:		Concession:	04
Well Depth:		Concession Name:	OF
Overburden/Bedrock:		Easting NAD83:	
Pump Rate:		Northing NAD83:	
Static Water Level:		Zone:	
Clear/Cloudy:		UTM Reliability:	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1512442.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/02/1972
Year Completed: 1972
Depth (m): 50.292
Latitude: 45.4344863618579
Longitude: -75.5046093315542
X: -75.50460916967438
Y: 45.43448635460176
Path: 151\1512442.pdf

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10034433			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	460530.80
Code OB Desc:				North83:	5031342.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	06/02/1972			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock
Materials Interval

Formation ID: 931020669
Layer: 2
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 114.0
Formation End Depth: 134.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931020670
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 134.0
Formation End Depth: 165.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931020668
Layer: 1
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		114.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961512442			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10583003			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930061031			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		165.0			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930061030			
Layer:		1			
Material:		2			
Open Hole or Material:		GALVANIZED			
Depth From:					
Depth To:		136.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991512442			
Pump Set At:					
Static Level:		3.0			
Final Level After Pumping:		40.0			
Recommended Pump Depth:		60.0			
Pumping Rate:		6.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934098780				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	15.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934377479				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	20.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934895960				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	40.0				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934647804				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	25.0				
Test Level UOM:	ft				
<u>Water Details</u>					
Water ID:	933467898				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	165.0				
Water Found Depth UOM:	ft				

<u>5</u>	1 of 1	ENE/38.0	85.1 / 0.37	ENBRIDGE GAS INC 6418 RENAUD RD., OTTAWA, ON, K4B 1H9, CA ON	PINC
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Incident Id:
Incident No: 2678988
Incident Reported Dt: 9/6/2019
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: ENBRIDGE GAS INC

Pipe Material:
Fuel Category:
Health Impact:
Environment Impact:
Property Damage:
Service Interrupt:
Enforce Policy:
Public Relation:
Pipeline System:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Address: 6418 RENAUD RD., OTTAWA, ON, K4B 1H9, CA					
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					
Damage Reason:					
Notes:					
6	1 of 1	WNW/88.5	84.2 / -0.51	Navan Road & Renaud Road Ottawa ON	EHS
Order No:	20120418014			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	RSC Premium Package (Urban)			Client Prov/State:	ON
Report Date:	4/27/2012			Search Radius (km):	0.3
Date Received:	4/18/2012 12:36:00 PM			X:	-75.505476
Previous Site Name:				Y:	45.435159
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans;				
7	1 of 1	E/106.8	85.6 / 0.83	2504 White Street Navan ON K4B 1H9	EHS
Order No:	22030400242			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	09-MAR-22			Search Radius (km):	.25
Date Received:	04-MAR-22			X:	-75.503203
Previous Site Name:				Y:	45.434921
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos				
8	1 of 1	N/117.1	84.7 / 0.01	RENAUD RD/WHITE ST. OTTAWA ON	WWIS
Well ID:	7242931			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring			Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:	Observation Wells			Date Received:	06/11/2015
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z163964			Contractor:	1844
Tag:	A153987			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	OTTAWA-CARLETON
Elevatn Reliability:				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:	GLOUCESTER TOWNSHIP				
Site Info:					
PDF URL (Map):	https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7242931.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Additional Detail(s) (Map)

Well Completed Date: 10/11/2012
Year Completed: 2012
Depth (m): 6.1
Latitude: 45.4357642734144
Longitude: -75.5046693048175
X: -75.50466914287169
Y: 45.43576426617205
Path: 724\7242931.pdf

Bore Hole Information

Bore Hole ID:	1005407166	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	460527.00
Code OB Desc:		North83:	5031484.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	10/11/2012	UTMRC Desc:	margin of error : 30 m - 100 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:			

Overburden and Bedrock

Materials Interval

Formation ID: 1005660820
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.20000000298023224
Formation End Depth: 0.5
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1005660819
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 02
Material 2 Desc: TOPSOIL
Material 3: 81
Material 3 Desc: SANDY
Formation Top Depth: 0.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		0.20000000298023224			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005660821			
Layer:		3			
Color:		6			
General Color:		BROWN			
Material 1:		05			
Material 1 Desc:		CLAY			
Material 2:		05			
Material 2 Desc:		CLAY			
Material 3:		84			
Material 3 Desc:		SILTY			
Formation Top Depth:		0.5			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005660828			
Layer:		1			
Plug From:		0.0			
Plug To:		2.5999999046325684			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005660827			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005660818			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005660824			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		2.9000000953674316			
Casing Diameter:		3.180000066757202			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005660825			
Layer:		1			
Slot:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth:		2.9000000953674316			
Screen End Depth:		5.900000095367432			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		3.880000114440918			
<u>Water Details</u>					
Water ID:		1005660823			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		1.600000023841858			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005660822			
Diameter:		20.299999237060547			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
9	1 of 1	NNW/126.5	84.6 / -0.17	Opposite 6401 Renault Rd. OTTAWA OTTAWA ON	SPL
Ref No:	1-1A7AMA			Municipality No:	
Year:				Nature of Damage:	
Incident Dt:	9/24/2021 11:14:27 AM			Discharger Report:	
Dt MOE Arvl on Scn:				Material Group:	
MOE Reported Dt:	9/24/2021 1:56:45 PM			Impact to Health:	0 No Impact
Dt Document Closed:	11/11/2021 11:46:18 AM			Agency Involved:	
Site No:					
MOE Response:	Desktop Response				
Site County/District:					
Site Geo Ref Meth:					
Site District Office:	Ottawa District Office				
Nearest Watercourse:					
Site Name:					
Site Address:	Opposite 6401 Renault Rd. OTTAWA				
Site Region:					
Site Municipality:	OTTAWA				
Site Lot:					
Site Conc:					
Site Geo Ref Accu:					
Site Map Datum:					
Northing:					
Easting:					
Incident Cause:					
Incident Preceding Spill:	Line Strike				
Environment Impact:	1 Minor Impact				
Health Env Consequence:					
Nature of Impact:					
Contaminant Qty:	0 other - see notes				
Contaminant Qty 1:					
Contaminant Unit:					
Client Type:	Private Business				
Source Type:	Pipeline/Components				
Contaminant Code:					
Contaminant Name:	NATURAL GAS				
Contaminant Limit 1:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam Limit Freq 1: Contaminant UN No 1: Receiving Medium: Air Incident Reason: Human error (Specify) Incident Summary: TSSA FSB: 2" Plastic IP Line Strike, Still Blowing Activity Preceding Spill: Construction or repair Property 2nd Watershed: Lower Ottawa Property Tertiary Watershed: 02LA - Rideau Sector Type: NATURAL GAS DISTRIBUTION SAC Action Class: Call Report Locatn Geodata: {"integration_ids":["PR00003788743"],"wkts":["POINT (-75.5049864000 45.4358082000)"],"creation_date":"2021-09-24"} Time Reported: System Facility Address: Client Name: ENBRIDGE CONSUMERS GAS					
10	1 of 7	NW/176.0	84.0 / -0.68	Conseil scolaire de district catholique du Centre-Est de l'Ontario 6401 Renaud Rd Ottawa ON K1J 1A1	ECA
Approval No: 0511-9Y6HQ8 Approval Date: 2015-07-09 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: Conseil scolaire de district catholique du Centre-Est de l'Ontario Address: 6401 Renaud Rd Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4191-9VVS9-14.pdf PDF Site Location:					
10	2 of 7	NW/176.0	84.0 / -0.68	Conseil des ecoles catholique du centre-est 6401 chemin Renaud orléans ON K1W 0H8	GEN
Generator No: ON9583537 SIC Code: SIC Description: Approval Years: As of Dec 2018 PO Box No: Country: Canada Status: Registered Co Admin: Choice of Contact: Phone No Admin: Contaminated Facility: MHSW Facility:					
<u>Detail(s)</u>					
Waste Class: 148 C Waste Class Name: Misc. wastes and inorganic chemicals					
Waste Class: 263 I Waste Class Name: Misc. waste organic chemicals					
Waste Class: 270 A					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		Other specified organic sludges, slurries or solids			
10	3 of 7	NW/176.0	84.0 / -0.68	Conseil des ecoles catholique du centre-est 6401 chemin Renaud orléans ON K1W 0H8	GEN
Generator No:		ON9583537			
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:					
<u>Detail(s)</u>					
Waste Class:		270 A			
Waste Class Name:		Other specified organic sludges, slurries or solids			
Waste Class:		263 I			
Waste Class Name:		Misc. waste organic chemicals			
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
10	4 of 7	NW/176.0	84.0 / -0.68	Conseil des ecoles catholique du centre-est 6401 chemin Renaud orléans ON K1W 0H8	GEN
Generator No:		ON9583537			
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:					
<u>Detail(s)</u>					
Waste Class:		148 C			
Waste Class Name:		Misc. wastes and inorganic chemicals			
Waste Class:		263 I			
Waste Class Name:		Misc. waste organic chemicals			
Waste Class:		270 A			
Waste Class Name:		Other specified organic sludges, slurries or solids			
10	5 of 7	NW/176.0	84.0 / -0.68	ENBRIDGE GAS INC 6401 RENAUD RD,, OTTAWA, ON, K4B 1H9, CA ON	PINC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Id: Incident No: 3112366 Incident Reported Dt: 9/24/2021 Type: FS-Pipeline Incident Status Code: Tank Status: Non Mandated Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: ENBRIDGE GAS INC Incident Address: 6401 RENAUD RD,,OTTAWA,ON,K4B 1H9,CA Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:				Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:	

10	6 of 7	NW/176.0	84.0 / -0.68	Conseil des ecoles catholique du centre-est 6401 chemin Renaud orléans ON K1W 0H8	GEN
Generator No: ON9583537 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: 270 A Waste Class Name: OTHER SPECIFIED ORGANICS					
Waste Class: 148 C Waste Class Name: INORGANIC LABORATORY CHEMICALS					
Waste Class: 263 I Waste Class Name: ORGANIC LABORATORY CHEMICALS					

10	7 of 7	NW/176.0	84.0 / -0.68	Part 6401 Renaud Road Ottawa ON K1W 0H8	EHS
Order No: 22102600513 Status: C Report Type: Standard Report Report Date: 31-OCT-22 Date Received: 26-OCT-22 Previous Site Name:				Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.505606 Y: 45.4361082	

Lot/Building Size:
Additional Info Ordered:

<u>11</u>	1 of 1	W/201.0	82.9 / -1.85	ON	BORE
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Borehole ID:	616263	Inclin FLG:	No
OGF ID:	215517052	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	FEB-1970	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.434297
Total Depth m:	56.4	Longitude DD:	-75.507037
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	460341
Drill Method:		Northing:	5031322
Orig Ground Elev m:	86	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	87.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403498	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	1.5	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	SAND.		
Geology Stratum ID:	218403500	Mat Consistency:	
Top Depth:	38.1	Material Moisture:	
Bottom Depth:	56.4	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Slate	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	SLATE. BROWN. 0018500.0 FEET.000900000000500010100. BEDROCK. WEATHERED. BEDROCK.		
Geology Stratum ID:	218403499	Mat Consistency:	
Top Depth:	1.5	Material Moisture:	
Bottom Depth:	38.1	Material Texture:	
Material Color:	Blue	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:		Geologic Group:	
Material 3:		Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08771 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

[12](#)

1 of 1

W/201.0

82.9 / -1.85

lot 3 con 3
ON

WWIS

Well ID: 1510818
Construction Date:
Use 1st: Livestock
Use 2nd: Domestic
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/22/1970
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510818.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/20/1970
Year Completed: 1970
Depth (m): 56.388
Latitude: 45.4342955873939
Longitude: -75.5070367528521
X: -75.50703659105552
Y: 45.43429557998376
Path: 151\1510818.pdf

Bore Hole Information

Bore Hole ID: 10032828
DP2BR:
Spatial Status:

Elevation:
Elevrc:
Zone: 18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB:				East83:	460340.80
Code OB Desc:				North83:	5031322.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	4
Date Completed:	02/20/1970			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	p4
Location Method Desc:		Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m			
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 931015899
 Layer: 1
 Color:
 General Color:
 Material 1: 09
 Material 1 Desc: MEDIUM SAND
 Material 2:
 Material 2 Desc:
 Material 3:
 Material 3 Desc:
 Formation Top Depth: 0.0
 Formation End Depth: 5.0
 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015900
 Layer: 2
 Color: 3
 General Color: BLUE
 Material 1: 05
 Material 1 Desc: CLAY
 Material 2:
 Material 2 Desc:
 Material 3:
 Material 3 Desc:
 Formation Top Depth: 5.0
 Formation End Depth: 125.0
 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931015901
 Layer: 3
 Color: 6
 General Color: BROWN
 Material 1: 19
 Material 1 Desc: SLATE
 Material 2:
 Material 2 Desc:
 Material 3:
 Material 3 Desc:
 Formation Top Depth: 125.0
 Formation End Depth: 185.0

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961510818			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10581398			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930058212			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		130.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930058213			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		185.0			
Casing Diameter:		6.0			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pumping Test Method Desc:		PUMP			
Pump Test ID:		991510818			
Pump Set At:					
Static Level:		40.0			
Final Level After Pumping:		55.0			
Recommended Pump Depth:		70.0			
Pumping Rate:		14.0			
Flowing Rate:					
Recommended Pump Rate:		6.0			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Details					
Water ID:		933465853			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		185.0			
Water Found Depth UOM:		ft			
13	1 of 1	NE/211.6	85.7 / 0.93	Renaud Road Ottawa ON	EHS
Order No:	20130927012			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	03-OCT-13			Search Radius (km):	.25
Date Received:	27-SEP-13			X:	-75.50319
Previous Site Name:				Y:	45.436366
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory; Aerial Photos				

14	1 of 1	WSW/228.0	82.9 / -1.85	Navan Rd Ottawa ON	EHS
Order No:	20190809038			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	15-AUG-19			Search Radius (km):	.25
Date Received:	09-AUG-19			X:	-75.507072
Previous Site Name:				Y:	45.433701
Lot/Building Size:					
Additional Info Ordered:					

Unplottable Summary

Total: **41** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Minto Communities Inc.		Ottawa ON	
CA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
DTNK	SUPERIOR PROPANE INC	LOT 2 CON 3	NEPEAN TWP OTTAWA ON	M1E 2N4
EBR	Minto Communities		ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	K2P 0M6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	
PTTW	Minto Communities Inc.		ON	
WWIS		con 3	ON	
WWIS		con 4	ON	
WWIS		lot 2	ON	
WWIS		lot 2	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 3	ON	
WWIS		lot 2	ON	
WWIS		lot 2 con 4	ON	

Unplottable Report

Site: *Minto Communities Inc.*
Ottawa ON

Database:
CA

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
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:

Site: *Claridge Homes (Carson) Inc.*
Renaud Rd Ottawa ON

Database:
CA

Certificate #: 6667-7P8R2K
Application Year: 2009
Issue Date: 2/13/2009
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: *Ashcroft Homes - Eastboro Inc.*
Renaud Road Ottawa ON

Database:
CA

Certificate #: 1462-8E5P3N
Application Year: 2011
Issue Date: 2/23/2011
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: *Ashcroft Homes - Eastboro Inc.*
Renaud Road Ottawa ON

Database:
CA

Certificate #: 2240-8ERLQE
Application Year: 2011

Issue Date: 3/14/2011
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: Ashcroft Homes - Eastboro Inc.
Renaud Road Ottawa ON

Database:
CA

Certificate #: 7226-6GLJQM
Application Year: 2011
Issue Date: 6/24/2011
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: SUPERIOR PROPANE INC
LOT 2 CON 3 NEPEAN TWP OTTAWA ON M1E 2N4

Database:
DTNK

**Delisted Expired Fuel Safety
Facilities**

Instance No:	9558942	Expired Date:	8/1/1990
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSA Max Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	Up to May 2013		

Site: Minto Communities
ON

Database:
EBR

EBR Registry No: 019-2808
Ministry Ref No: KV-C-001-19
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: December 4, 2020
Year: 2020
Instrument Type: Permit for activities to achieve an overall benefit to a species
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address:
Location Other:
Proponent Name: Minto Communities
Proponent Address: Minto Communities 180 Kent Street Unit 200 Ottawa, ON K1P 0B6 Canada
Comment Period: December 4, 2020 - January 3, 2021 (30 days) Closed
URL: <https://ero.ontario.ca/notice/019-2808>
Summary:

Decision Posted: February 26, 2021
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:

Site Location Details:

Part of Lot 12, Concession 4, Township of March, Ottawa

Site: Minto Communities Inc.
Ottawa, Ontario CITY OF OTTAWA ON

Database:
EBR

EBR Registry No: 013-0315
Ministry Ref No: MNRF INST 30/17
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 28, 2017
Proposal Date: April 10, 2017
Year: 2017
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
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

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

Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1554-8Y2HZ6
Approval Date: 2012-09-14
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3002-8PBSB4
Approval Date: 2012-01-31
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7971-9EAST8
Approval Date: 2014-01-10
Status: Approved
MOE District:
City:
Longitude:

Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8270-A3ZLU2 **MOE District:**
Approval Date: 2015-11-10 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7661-ABCKQL **MOE District:**
Approval Date: 2016-06-30 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 0606-AHXJCH **MOE District:**
Approval Date: 2017-02-02 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**

Database:
ECA

Ottawa ON K1P 0B6

Approval No: 2268-9WYR3F
Approval Date: 2015-06-08
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf>
PDF Site Location:

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

Site: **Claridge Homes (Carson) Inc.**
Renaud Rd Ottawa ON K2P 0M6

Database:
ECA

Approval No: 6667-7P8R2K
Approval Date: 2009-02-13
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: Claridge Homes (Carson) Inc.
Address: Renaud Rd
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0490-7NYR9F-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 7598-94TRX3
Approval Date: 2013-02-26
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf>

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

PDF Site Location:

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 1720-AKJGKQ
Approval Date: 2017-03-24
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6432-CA6MRC
Approval Date: January 18, 2022
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: South Nation
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2726-C9PS46-14.pdf>
PDF Site Location: Avalon South Stormwater Management Facility Expansion
Neighbourhood 4
Lot 4, Concession 10
City of Ottawa, Ontario

MOE District: Ottawa
City:
Longitude:
Latitude:
Geometry X: -8402261.5817000009
Geometry Y: 5691103.7277999958

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3128-AQGJ6T
Approval Date: 2017-08-23
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf>
PDF Site Location:

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

Site: Minto Communities Inc.
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 8605-AYUHJG
Approval Date: 2018-05-30
Status: Approved
Record Type: ECA
Link Source: IDS
MOE District:
City:
Longitude:
Latitude:
Geometry X:

SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf>
PDF Site Location:

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 6142-BEJHCE
Approval Date: 2019-08-01
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
Ottawa ON K1P 0B6

Database:
ECA

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
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: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf>
PDF Site Location:

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

Site: **Minto Communities Inc.**
ON

Database:
PTTW

EBR Registry No: 012-0928
Ministry Ref No: 8538-9EZN6
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 02, 2015
Proposal Date: January 24, 2014
Year: 2014
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Renaud Road Road allowance between Concessions 3 and 4 on Ottawa River, in front of Lots 3 and 4, geographic township of Gloucester City of Ottawa AND Trails Edge, Phase 2 Lots 3 and 4, Concession 3 on Ottawa River, geographic township of Gloucester City of Ottawa CITY OF OTTAWA

Site: Minto Communities Inc.
ON

Database:
PTTW

EBR Registry No: 011-4898
Ministry Ref No: 3046-8MLKW5
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 17, 2014
Proposal Date: November 04, 2011
Year: 2011
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa
GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555,
, LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: Minto Communities Inc.
ON

Database:
PTTW

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 06, 2017
Proposal Date: February 13, 2017
Year: 2017
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:
Summary:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa
GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA
CITY OF OTTAWA

Site:
con 3 ON

Database:
WWIS

Well ID: 1523548
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 29576
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/21/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 2348
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 03
Concession Name: RF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045322
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed:
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931055002
Layer: 2
Color:
General Color:
Material 1:
Material 1 Desc:
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931055001
Layer: 1
Color:

General Color:
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523548
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593892
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079298
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 991523548
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth: 40.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933481846
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 32.0
Water Found Depth UOM: ft

Site:
con 4 ON

Database:
WWIS

Well ID: 1517523
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/20/1981
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 04
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10039395
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/24/1981
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931035450
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931035449
Layer: 1
Color: 7

General Color: RED
Material 1: 28
Material 1 Desc: SAND
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931035451
Layer: 3
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 175.0
Formation End Depth: 185.0
Formation End Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961517523
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10587965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930068902
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 185.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930068901
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 184.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991517523
Pump Set At:
Static Level: 40.0
Final Level After Pumping: 105.0
Recommended Pump Depth: 120.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934102054
Test Type: Draw Down
Test Duration: 15
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384288
Test Type: Draw Down
Test Duration: 30
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645364
Test Type: Draw Down
Test Duration: 45
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895056
Test Type: Draw Down
Test Duration: 60
Test Level: 105.0
Test Level UOM: ft

Water Details

Water ID: 933474010
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 184.0
Water Found Depth UOM: ft

Site:
lot 2 ON

Database:
WWIS

Well ID: 1522712
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 27065
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/26/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 002
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044522
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/10/1988
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931052365
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931052366
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE

Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 21.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931052367
Layer: 3
Color: 1
General Color: WHITE
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 90.0
Formation End Depth: 123.0
Formation End Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961522712
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593092
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077859
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077860
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991522712
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 60.0
Pumping Rate: 50.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934386885
Test Type:
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111041
Test Type:
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905078
Test Type:
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656261
Test Type:
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933480709
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65.0
Water Found Depth UOM: ft

Water Details

Water ID: 933480710
Layer: 2
Kind Code: 1

Kind: FRESH
Water Found Depth: 118.0
Water Found Depth UOM: ft

Site:
lot 2 ON

Database:
WWIS

Well ID: 1522713
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Recharge Well
Water Type:
Casing Material:
Audit No: 27064
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/26/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 002
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044523
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/10/1988
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931052368
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 19.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931052369
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 19.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931052370
Layer: 3
Color: 1
General Color: WHITE
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 90.0
Formation End Depth: 123.0
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961522713
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593093
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077861
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077862
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123.0

Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991522713
Pump Set At:
Static Level: 11.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 60.0
Pumping Rate: 50.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934905079
Test Type:
Test Duration: 60
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386886
Test Type:
Test Duration: 30
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111042
Test Type:
Test Duration: 15
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656262
Test Type:
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Water Details

Water ID: 933480711
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Water Details

Water ID: 933480712
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 118.0
Water Found Depth UOM: ft

Site: lot 3 ON

Database:
WWIS

Well ID: 1531215
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 217004
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/21/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052749
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/31/2000
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931077853
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 62.0

Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 931077852
Layer: 1
Color:
General Color:
Material 1: 28
Material 1 Desc: SAND
Material 2: 11
Material 2 Desc: GRAVEL
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933116387
Layer: 1
Plug From: 2.0
Plug To: 33.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961531215
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10601319
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930092224
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092222
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 8.0
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930092223
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531215
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 50.0
Pumping Rate: 18.0
Flowing Rate:
Recommended Pump Rate: 18.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934396588
Test Type: Recovery
Test Duration: 30
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665314
Test Type: Recovery
Test Duration: 45
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934121177
Test Type: Recovery
Test Duration: 15
Test Level: 15.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913859
Test Type: Recovery
Test Duration: 60
Test Level: 15.0
Test Level UOM: ft

Water Details

Water ID: 933491580
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 50.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491581
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

Water Details

Water ID: 933491579
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

Site:

lot 3 ON

Database:
WWIS

Well ID: 1531723
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 220258
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/26/2001
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10053257
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/28/2000
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 931079339
Layer: 4
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 14
Material 2 Desc: HARDPAN
Material 3:
Material 3 Desc:
Formation Top Depth: 42.0
Formation End Depth: 73.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931079338
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 26
Material 2 Desc: ROCK
Material 3:
Material 3 Desc:
Formation Top Depth: 37.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931079336
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 81
Material 2 Desc: SANDY
Material 3: 05
Material 3 Desc: CLAY
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931079337
Layer: 2
Color: 2
General Color: GREY
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 12

Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933116887
Layer: 1
Plug From: 0.0
Plug To: 42.0
Plug Depth UOM: ft

**Method of Construction & Well
Use**

Method Construction ID: 961531723
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10601827
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930093304
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 18.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991531723
Pump Set At:
Static Level: 23.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 50.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 12.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934658679
Test Type: Draw Down
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934397743
Test Type: Draw Down
Test Duration: 30
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934114544
Test Type: Draw Down
Test Duration: 15
Test Level: 28.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934916125
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 933492311
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1530280
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: 175701
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/16/1998
Selected Flag: TRUE
Abandonment Rec:
Contractor: 9999
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051815
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/21/1998
Remarks:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Annular Space/Abandonment
Sealing Record

Plug ID: 933115411
Layer: 1
Plug From: 0.0
Plug To: 75.0
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961530280
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10600385
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090290
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To:
Casing Diameter: 28.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933490347
Layer: 1
Kind Code: 2
Kind: SALTY
Water Found Depth: 25.0
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1525011
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 80368
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/31/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046753
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/21/1990
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931059750
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059752
Layer: 3
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 90

Material 2 Desc: VERY
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 39.0
Formation End Depth: 74.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059753
Layer: 4
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3:
Material 3 Desc:
Formation Top Depth: 74.0
Formation End Depth: 79.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059755
Layer: 6
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 74
Material 2 Desc: LAYERED
Material 3: 78
Material 3 Desc: MEDIUM-GRAINED
Formation Top Depth: 103.0
Formation End Depth: 310.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059754
Layer: 5
Color: 2
General Color: GREY
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 79.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059751
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05

Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3:
Material 3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 39.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525011
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595323
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081882
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 310.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081880
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 106.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081881
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 300.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991525011
Pump Set At:

Static Level: 68.0
Final Level After Pumping: 105.0
Recommended Pump Depth: 250.0
Pumping Rate: 12.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934110603
Test Type: Draw Down
Test Duration: 15
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386010
Test Type: Draw Down
Test Duration: 30
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904163
Test Type: Draw Down
Test Duration: 60
Test Level: 105.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655789
Test Type: Draw Down
Test Duration: 45
Test Level: 105.0
Test Level UOM: ft

Water Details

Water ID: 933483830
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 185.0
Water Found Depth UOM: ft

Water Details

Water ID: 933483831
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 306.0
Water Found Depth UOM: ft

Site:
lot 3 ON

Database:
WWIS

Well ID: 1525010
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 80369
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/31/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046752
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/18/1990
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock
Materials Interval

Formation ID: 931059745
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 85
Material 2 Desc: SOFT
Material 3:
Material 3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059748
Layer: 5
Color: 2
General Color: GREY

Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 94.0
Formation End Depth: 96.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059744
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059747
Layer: 4
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 85.0
Formation End Depth: 94.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059746
Layer: 3
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2: 90
Material 2 Desc: VERY
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 43.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931059749
Layer: 6

Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 74
Material 2 Desc: LAYERED
Material 3: 78
Material 3 Desc: MEDIUM-GRAINED
Formation Top Depth: 96.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525010
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595322
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081879
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 175.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081878
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 99.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525010
Pump Set At:
Static Level: 73.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 150.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934904162
Test Type: Draw Down
Test Duration: 60
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934110602
Test Type: Draw Down
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386009
Test Type: Draw Down
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655788
Test Type: Draw Down
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933483829
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 168.0
Water Found Depth UOM: ft

Site: lot 3 ON

Database:
WWIS

Well ID: 1524826
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 56399
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/17/1990
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 003
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046572
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/09/1990
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931059225
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931059226
Layer: 2
Color: 2
General Color: GREY
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 37.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931059227
Layer: 3
Color: 2
General Color: GREY
Material 1: 15

Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 37.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524826
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595142
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081533
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 63.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930081532
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 40.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991524826
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934110008
Test Type:
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903572
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385417
Test Type:
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655195
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933483584
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57.0
Water Found Depth UOM: ft

Site:
lot 2 ON

Database:
WWIS

Well ID: 1530885
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 208491
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/07/1999
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 002
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Site Info:

Bore Hole Information

Bore Hole ID:	10052419	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	
Code OB Desc:		North83:	
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	10/28/1999	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931076864
Layer:	3
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	23.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931076865
Layer:	4
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931076863
Layer:	2
Color:	2
General Color:	GREY
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	79
Material 2 Desc:	PACKED

Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931076862
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Annular Space/Abandonment
Sealing Record

Plug ID: 933116058
Layer: 1
Plug From: 0.0
Plug To: 28.0
Plug Depth UOM: ft

Method of Construction & Well
Use

Method Construction ID: 961530885
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600989
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091535
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091534
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 29.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991530885
Pump Set At:
Static Level: 17.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 40.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934119500
Test Type:
Test Duration: 15
Test Level: 58.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386238
Test Type:
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934663638
Test Type:
Test Duration: 45
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903790
Test Type:
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933491168
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 50.0

Water Found Depth UOM: ft

Site:
lot 2 con 4 ON

Database:
WWIS

Well ID: 1515200
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: NA
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes
Data Src:
Date Received: 01/01/1911
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 002
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1009060124
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/07/1976
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83: UTM83
Org CS: 9
UTMRC: unknown UTM
UTMRC Desc: wwr
Location Method:

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 (MNR), 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-Jun 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 - Aug 31, 2024

Drill Hole Database:Provincial [DRL](#)

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 2024**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-Aug 31, 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 - Aug 31, 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-Aug 31, 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 ERIS 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 / 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 - Aug 31, 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-Aug 31, 2024

Ontario PFAS Spills:

Provincial

PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. 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.

Government Publication Date: 1988-Mar 2024; May 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

Potential PFAS Handlers from EASR:

Provincial

PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR 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.

Government Publication Date: Jun 30, 2024

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 - Aug 31, 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-Aug 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.

Government Publication Date: 1988-Jun 2024

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 Aug 31, 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



Kuldeep Panchal Junior Environmental Scientist

Kuldeep Panchal is a Junior Environmental Scientist with Paterson Group in Ottawa, Ontario. Kuldeep received his Bachelor of Civil Engineering in 2017, Charotar University of Sciences & Technology. In 2019 He earned his Master's in Environmental Engineering, from the University of Ottawa. In his time at Paterson with Environmental Division, Kuldeep has been involved in primarily residential and commercial development projects predominantly within the National Capital Region, where he conducted Phase I Environmental Site Assessments (ESAs) to MECP and CSA standards and conducted environmental and geotechnical subsurface investigations. His current scope of work consists of environmental investigation, reporting, field inspections, soil and groundwater sampling, supervising the remediation of contaminated sites, and ensuring compliance with applicable regulatory standards.

EDUCATION

Master's Environmental Engineering, 2019
University of Ottawa, Ottawa, ON

Bachelor of Civil Engineering, 2017
Charotar University of Sciences & Technology,
Gujarat, India

LICENCE/PROFFESIONAL AFFILIATIONS

E.I.T. (Engineer in Training) with PEO
CCIL (Canadian Council of Independent Laboratories)
– Type QF
TDG (Transportation of Dangerous Goods) – Type A
Packages

YEARS OF EXPERIENCE

With Paterson: 3

Other Firms: 1.5

OFFICE LOCATION

9 Auriga Drive
Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- CSA Phase I Environmental Site Assessments (ESAs) – Various Sites, Ottawa, ON
- Mattamy Homes – Fairwinds Phase 8 – Environmental subsurface investigation – Ottawa, ON
- Soil and Groundwater sampling – Various Sites, Ottawa, ON
- CECCE – 205 Scholastic – Micro Piling – Ottawa, ON
- Minto – Quinn's Pointe – Stage 4 – Site Servicing and Soil Inspections – Ottawa, ON
- W.H. MacSweyn – Prepared Compaction Plan and Road Works – Ottawa, ON
- Minto – Brookline – Site Servicing – Ottawa, ON
- Various High Rise and Commercial Projects – Material Testing – Ottawa, ON
- Proposal Preparation for Material Testing – Various Projects

PROFESSIONAL EXPERIENCE

March 2024 to present – **Junior Environmental Scientist, Environmental Division, Paterson Group, Ottawa, Ontario**

- Conduct Phase I – Environmental Site Assessments (ESAs) to CSA and O.Reg. 153/04 Standards.
- Responsible for the application of environmental, hydrological, 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, and soil and groundwater field sampling.
- Coordination of contractors while directly reporting to intermediate and senior management to ensure completion of project on schedule and within budget.

July 2023 to February 2024 – **Project Coordinator, Materials Testing, Paterson Group, Ottawa, Ontario**

- Prepares technical reports for existing clients, such as geotechnical summaries, and foundation assessments.
- Compiles proposals for various private and government-based tenders.
- Aids with project-related procurements.
- Prepares and reviews training and Standard Operating Procedures (SOP's) documents for the Materials Testing Department.
- Works closely with Director or Project Managers within the Materials Testing Department to ensure reports are completed on time.
- Actively takes part in extra training and the training of field staff.
- Assists the Director or Project Manager and field staff with various site inspections.

May 2021 to July 2023 – **Field Technologist, Materials Testing – Paterson Group, Ottawa, ON**

- Geotechnical investigations include test pitting programs for various types of subsurface soils investigations.
- Prepares geotechnical investigation reports and slope stability analysis with accompanying recommendations.
- Field inspections and material testing include but not limited to compaction, proof rolling, concrete testing, mortar/grout testing, subgrade reviews, bearing medium evaluations, bearing surface inspections, rebar inspections, both footings and walls, and asphalt sampling.
- Specialty testing such as, cover meter inspections, Piling and Micro Piling, excavation reviews, thermocouple installation and readings, Schmidt hammer testing, granular sampling, light weight fill, and crack monitoring.

June 2017 to June 2018 – **Site Engineer, Sheth Enterprise – Surat, Gujarat, India**

- Used theoretical knowledge of construction work in practical scenarios.
- Was responsible for handling multiple residential construction sites in Surat area.
- Performed duties such as site inspections, supervision of workers and the coordination between contactors and design engineers.
- Trained civil engineering graduates during their internships on the construction sites.

February 2017 to April 2017 – **Environmental Laboratory Trainee – Detox Corporation Pvt. Ltd. – Surat, Gujarat, India**

- Performed analysis of environmental samples which were collected on a regular basis adhering to the safety regulations.
- Understood the design plans of water and wastewater treatment plants.
- Implemented various regulations and limits of parameters in water and wastewater discharge.
- Performed analysis of samples using apparatus such as a Bomb Calorimeter and a Spectrophotometer.
- Conducted a variety of tests on water and wastewater using methods such as Biochemical Oxygen Demand (BOD) and Chemical Oxygen Demand (COD) tests.
- Learned how to formulate environmental impact assessment reports.
- Authored professional reports listing the characteristics of tested waste and hazardous waste.
- Gathered and prepared reports on Quality Assurance (QA) of environmental waste.



PATERSON GROUP

solution oriented engineering



Michael Beaudoin, P.Eng., QP_{ESA} Senior Project Manager

Michael received his Bachelor of Engineering from Carleton University in 2010 in Environmental Engineering. Michael joined the Paterson Group in the Environmental Division. Michael has worked for Paterson for approximately 14 years and has accrued extensive field and office experience. Michael's experience working in the field ranges from Phase I site reviews, Phase II investigations, remediation site inspections and designated substance surveys. Through his years of field experience, Michael has obtained invaluable knowledge on contractor relationships, budgets, time management, consultant/owner relation, quality data and information, and working with a variety of different personnel and situations. Michael has moved into a more senior role by becoming a qualified person for environmental assessments, overseeing small to large scale environmental projects, which include, Phase I and II reports, Record of Site Conditions and Brownfield Applications. Michael has assisted with Mark D'Arcy in the development of young staff and continuous improvement of Paterson internal systems.

EDUCATION

B.Eng. 2010, Environmental Engineering
Carleton University
Ottawa, ON

LICENCE/ PROFESSIONAL AFFILIATIONS

Professional Engineers of Ontario

YEARS OF EXPERIENCE

With Paterson: 14

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- Rideau Street Reconstruction, Ottawa, ON Phase I ESA, Phase II ESA, (Field Manager)
- Main Street Reconstruction, Ottawa, ON Phase I ESA, Phase II ESA, (Field Manager)
- Woodroffe Avenue Reconstruction, Ottawa, ON Phase I ESA, Phase II ESA, (Field Manager)
- Westboro Connection Development, Ottawa ON, Phase II ESA, Remediation Supervision (Field Manager)
- Riverview Development – Kingston, ON, Phase I ESA, Phase II ESA, and filing of multiple RSCs in the MECP Environmental Site Registry (Project Manager)
- West Village Development – Kingston, ON, Phase I ESA, Phase II ESA, and filing of multiple RSCs in the MECP Environmental Site Registry (Project Manager)
- Moon Development – 245 Rideau Street, Ottawa, ON, Phase I ESA, Phase II ESA, and RSC Filing (Project Manager)
- ESAP Project, Ottawa, ON
- Record of Site Condition Filings – Residential and Commercial Development Properties, Various Sites, Ottawa, Kingston ON.
- Designated Substance Surveys, Ottawa, ON
- Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04

PROFESSIONAL EXPERIENCE

November 2010 to present, **Environmental Engineer, Paterson Group, Ottawa, Ontario**

- Provide on-site environmental expertise for various soil and groundwater remediation projects including but not limited to the following: Riverview Development, West Village, Westboro Connection, ESAP Project, and 405 Terminal Avenue.
- Oversee Phase I and Phase II Investigations in accordance with CSA standards and O.Reg 153/04 on a variety of residential and commercial developments.
- Responsible for filing Records of Site Condition with the MECP Environmental Site Registry.
- Completing Designated Substance Surveys (including Air Quality Testing)
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations for environmental concerns.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for environment field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.