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Phase I - Environmental Site Assessment

2980, 3054, 3060 and 3080 Navan Road, and
6101 Renaud Road
Ottawa, Ontario

Prepared For

Caivan Communities

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Report: PE4937-1

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EXECUTIVE SUMMARY

Paterson Group was retained by Caivan Communities to conduct a Phase I – Environmental Site Assessment (Phase I ESA) of the properties located at 2980, 3054, 3060 and 3080 Navan Road, and 6101 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 site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical information reviewed, the Phase I Property was first developed with the existing residential dwelling addressed 3080 Navan Road in 1950, followed by the residence addressed 3054 Navan and a commercial building/repair garage addressed 3060 Navan Road in the early 1970s. Fill material of unknown quality was identified throughout the commercial portion of the Phase I Property, including 2980 Renaud Road.

Additionally, an ERIS search was conducted as part of this assessment. Based on the ERIS report, a portion of the Phase I Property (3060 Navan Road) had records of expired ASTs and waste generator records of hazardous waste (e.g. solvents, petroleum-based and light fuel wastes) associated with a heavy equipment repair garage.

A 2008 Phase II ESA report was provided for review as part of this Phase I ESA. The Phase III ESA was conducted in the vicinity of the 3 ASTs and the maintenance garage on site. Contaminated soil and groundwater were identified in the area of the garage while contaminated soil was inferred to be present in the areas of the ASTs. The presence of this these impacted media have been in corporate in our APECs 1 and 2.

Based on the past site operations on-site, four (4) PCAs were identified and considered to result in APECs on the Phase I Property (APECs 1 through 4).

Historical land use of the surrounding area consisted primarily of residential and agricultural lands with a commercial contractor's yard at 3000 Navan Road, which included three (3) former ASTs associated with a private fuel outlet. The ERIS report identifed records that supported these operations at 3000 Navan Road as well as several waste generator records of hazardous waste associated with a repair garage. Based on the operations associated with this property, the former location of the ASTs was considered to represent an APEC on the Phase I Property.

Following the historical review, a site inspection was conducted on May 8, 2020. The Phase I Property is currently occupied by two (2) residential dwellings located on the eastern and northwestern portions of the subject land, as well as a commercial

office/garage style building. No additional PCAs that result in APECs were identified with respect to the current use of the Phase I Property

The surrounding land use consisted of residential with some commercial lands as well as agricultural lands. A private fuel station with 3 ASTS were noted at 3000 Navan Road. No PCAs aside from the previously discussed ASTs and service garage were identified with respect to the current use of the surrounding lands.

Recommendations

Based on the results of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment is required for the property.**

Based on the ages of the subject buildings, asbestos containing materials (ACMs) may be present within these structures. Potential ACMs identified include drywall joint compound, vinyl floor tiles and plaster. This material was noted to be in good condition at the time of our inspection and does not represent an immediate concern. An asbestos survey of the building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to demolition or renovation, if one has not already been conducted.

Lead-based paint may be present on any remaining original surfaces within the building. It is recommended that paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead containing products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act.

It is our understanding that the subject buildings will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

1.0 INTRODUCTION

At the request of Caivan Communities, Paterson Group (Paterson) conducted a Phase I - Environmental Site Assessment (Phase I ESA) for properties located at 3054, 3060 and 3080 Navan Road, and 6101 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 study area as well as to identify any environmental concerns with the potential to have impacted the Phase I Property. Paterson was engaged to conduct this Phase I-ESA by Mr. Hugo Lalonde of Caivan Communities. The head office of Caivan Communities is located at 2934 Baseline Road, Suite 302, Ottawa, Ontario. Mr. Lalonde can be reached by telephone at 613-295-5082.

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

2.0 PHASE I PROPERTY INFORMATION

Address:	2980, 3054, 3060 and 3080 Navan Road and 6101 Renaud Road, in Ottawa Ontario.
Location:	The Phase I Property is located on the west side of Page Street with the northern and southern property line bounded by 2980, 3054, 3060 and 3080 Navan Road, and 6101 Renaud Road, respectively, in the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text
Legal Description:	Part of lot 6, Concession 3 of Ottawa River, in the Township of Gloucester, now in the City of Ottawa, Ontario.
Latitude and Longitude:	45° 25' 46.6" N, 75° 31' 13.6" W
Site Description:	
Configuration:	Irregular
Site Area:	6.2 ha (approximate)
Zoning:	DR – Development Reserve Zone
Current Use:	The Phase I Property is occupied by two (2) single-storey residential dwellings addressed 3054 Navan Road and 3080 Navan Road; a slab-on-grade commercial building used as an office and garage at 3060 Navan Road; and commercial land addressed 6101 Renaud Road and 2980 Navan Road.
Services:	Portions of the Phase I Property addressed 3060 and 3080 Navan Road rely upon municipal water, while 3054 Navan Road relies upon a private water. The Phase I Property relies on private septic systems. It is expected upon redevelopment, the Phase I Property will be municipally serviced.

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

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

First Developed Use Determination

Based on historical review, the phase I Property was initially developed for residential use circa 1950 with the addition of commercial land use in 1960. Although the exact first developed use is not known, for the purpose of this assessment, the first developed use of the Phase I Property is taken to be residential in 1950.

Fire Insurance Plans

Fire insurance plans are not available for the area of the subject site and neighbouring properties

National Archives

City directories are not available for the subject site and neighbouring lands.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, city directories and previous engineering reports.

Plan of Survey

A plan of survey was not available for review as part of this assessment.

Previous Engineering Reports

The Phase II ESA Report, entitled *"Phase II Environmental Site Assessment, Marcel Brazeau Ltd, 3060 Navan Road, Ottawa, Ontario,"* prepared by Levac Robichaud Leclerc Associates Ltd. (LRL), dated April 2008 was reviewed as part of this assessment. The Phase II – ESA was completed to assess the environmental impacts of the ASTs used in conjunction with a private fuel outlet as well as the existing vehicle maintenance garage. The drilling program consisted of twenty-two (22) boreholes that were placed in the areas of the above ground

storage tanks (ASTs), maintenance garage. BH9 was placed by the oil water separator outside the maintenance garage. Concentrations of PHCs (F_2 and F_3) were identified. Impacted groundwater was also identified during the assessment.

Based on their investigation, LRL estimated that there was approximately 700 metric tonnes of contaminated soil around and beneath the garage building, with another roughly 200 metric tonnes expected around the ASTs. LRL estimated the cost to remediate the contaminated soil to be on the order of $250,000.

It should be noted that LRL compared their results to the 2004 MECP standards and used non-potable groundwater standards. The current standards that should be applied to the site are more stringent form some parameters. Based on this, and the fact that the source(s) of the contamination still exist, it is expected that a longer volume of contaminated soil is present at this time around the ASTs and the repair garage.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically as part of this assessment. No records of pollutant releases were listed in the database for the subject site or for any properties located within the Phase I Study Area.

PCB Waste Storage Site Inventory

A search of the national PCB waste storage site inventory was conducted as part of this assessment. No PCB waste storage sites are located within the Phase I Study Area.

Ministry of the Environment, Conservation and Parks (MECP) Submissions

An ERIS search was requested in lieu of a MECP Freedom of Information (FOI) request pertaining to all environmental conditions, permits, certificates of approval, compliance reports, fuel oil storage tanks, spills and waste generators regarding the Phase I Property and lands within the 250 m search radius.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the subject land. A review of the

document did not identify any former coal gasification plants located on the Phase I Property or the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment and Climate Change document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario. A review of this document did not identify any relevant records pertaining to the subject site or for properties located within the Phase I Study Area.

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 records of site condition (RSCs) have been filed for the Phase I Property or properties within the 250 m search radius.

Areas of Natural Significance and Water Bodies

A search for areas of natural significance and water bodies was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (MNRF) website. No areas of natural significance or water bodies were identified within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

An ERIS search was conducted in lieu of contacting the TSSA, Fuels Safety Branch in Toronto to inquire about current and former underground storage tanks, spills and incidents for the Phase I Property and properties within the Phase I Study Area. The TSSA related records are discussed in the ERIS Report subsection.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. No former landfills were identified within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI)

A search request for the City of Ottawa's Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. A response had not been received prior to issuance of this report. A copy of the response will be forwarded to the client once received.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area, which includes information from Federal and Provincial inventories, TSSA related records as well as private databases.

According to the ERIS report, ten (10) records were identified for the portion of the Phase I Property addressed 3060 Navan Road. These records included four (4) TSSA related records for existing and expired fuel storage tanks and a spill incident, and five (5) Ontario Waste Generator Registries. Two (2) single wall ASTs were used in conjunction with a private fuel outlet. The capacities of the tanks were 9,280 L and 1,345 L. The private fuel outlet and associated ASTs are PCAs that are considered to generate APECs on the Phase I Property. The spill incident record was related to a natural gas leak and as such, is not considered an issue.

The central portion of the Phase I Property (3060 Navan Road) was listed as a waste generator of hazardous wastes associated with a heavy equipment repair garage (e.g. solvents, petroleum-based and light fuel wastes). Based on the information provided in the ERIS report, the operations conducted on-site (i.e. private fuel station ASTs, and a repair garage) represent APECs on the Phase I Property. No other relevant information pertaining to the Phase I Property was identified in the ERIS report.

Several records from various databases were identified in the ERIS search for properties within the Phase I Study Area, which included Certificates of Approval (CAs), Environmental Compliance Approvals (ECAs), Environmental Activity and Sector Registry (EASRs), Ontario Spills Registry, Incident and Pipeline Spills, Well Records and Ontario Waste Generators.

The environmental records pertaining to CAs, ECAs and EASRs were related to either sewer discharge approvals, municipal and private water and sewer works or waste management systems. The approvals were issued for 3000 Navan Road, located immediately north of the subject land. This property was registered as waste management handling facility of contaminated soils and a waste generator of hazardous wastes associated with its operations as a contractors' repair garage (e.g. solvents, petroleum-based and light fuel wastes). Based on the information provided in the ERIS report, the operations conducted at 3000 Navan Road (i.e.

private fuel station and repair garage) are considered to represent APECs on the Phase I Property. The remaining environmental records were considered non-issues to the Phase I Property.

Other TSSA related records (spills and pipeline incidents) for the study are included natural gas leaks, which are considered non-issues based on the natural of the release (i.e. receiving media, air). One (1) record pertained to an OC transportation 5L hydraulic oil leak immediately north of the subject site. The record indicated that the oil leak was not anticipated to have had an environmental impact. The final spill record pertained to a 265L diesel fuel leak that occurred approximately 145m east of the subject site and was not anticipated to have had an environmental impact. Based on the separation distance as well as the cross or down gradient orientation with respect to the subject land, these TSSA related records within the study area are not considered to have impacted the Phase I Property.

The remaining records identified in the ERIS search were associated with lands located 100 m or more away from the Phase I Property and as such, are not considered to pose a risk to the subject land. A copy of the report is included in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

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

1965 (Poor Scale) The majority of the subject site is vacant aside from the commercial building and a residential dwelling located on the northeastern portion of the property. Navan Road can be seen to the north, followed by residential dwellings and vacant lands. Renaud Road can be seen in its present-day orientation immediately south of the subject site along with dwellings, followed by agricultural fields.

1975 An additional residential dwelling can be seen in its present-day orientation on the northeastern part of the site. Possible fill placement may be occurring in the central portion of the site. The commercial building immediately north of the subject site can be seen at this time as well as an increase in residential development further north, across Navan Road.

1991 (Poor Scale) Increased traffic access roads running east to west across the central portion are now apparent. More stockpiled material can be seen along the western border of the site. Residential development has slightly increased north of the subject site.

2005 No significant changes are apparent with respect to the Phase I Property aside from the addition of an access road running north to south along the western border. Residential development across Navan Road further northwest of the subject site has significantly increased.

2017 No significant changes are apparent with respect to the subject site, although there is a large stockpile present on the southern portion of the site. Residential development has greatly increased to the north, south and west of the subject site. Stockpiled material remains along the western border of the subject site.

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

Topographic Maps

Topographic information was obtained from Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 80 m above sea level. The regional topography in the general area of the Phase I Property slopes down in a southerly direction. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website, as a part of this assessment. According to the publication and mapping, the Phase I Property is situated within the St. Lawrence Lowlands. According to the 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 specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on the information from NRCAN, bedrock within the area of the subject land consists of shale of the

Billings Formation. The overburden consists of reworked marine sediments with a drift thickness on the order of 25 to 50 m.

Areas of Natural Significance and Water Bodies

No areas of natural significance or water bodies were identified within the Phase I Study Area.

Water Well Records

A well record search is included in the ERIS report. Based on the ERIS search, 20 well records were identified in the study area, four (4) of which were identified as monitoring wells drilled more than 80 m away from the Phase I Property, while the remainder were domestic wells. Two (2) domestic well records were identified at 3060 Navan Road, drill in 1969. These wells were drill to a maximum depth of the 31.4 and 38.1 m below the ground surface (mbgs). The stratigraphy in the immediate area were reported to range form sand clay, followed by clay, underlain by limestone and shale bedrock at 28.9 to 30.5 mbgs.

The remaining domestic well records were identified on the adjacent residential properties that were drilled between 1950 to 1972. All wells were drilled to clear, fresh water. Although there were no abandoned well records, it is expected that some of these domestic wells are no longer in use as portions of the Phase I Study Area are municipally serviced. No other pertinent information was provided in these records. A copy of the ERIS report is appended to this report.

5.0 PERSONAL INTERVIEWS

Mr. Marcel Brazeau, the current property owner, was interviewed as part of the assessment. Mr. Brazeau stated that the residential dwellings were constructed circa 1950 and that the garage/office was constructed circa 1960. Paterson was informed that all the existing buildings had previously been heated through fuel oil furnaces, and that the property addressed 3054 Navan Road remains on fuel oil to this day. The buildings are all on septic systems in conjunction with municipally serviced water, with the exception of the property addressed 3054 Navan Road, which is on a private septic and well system.

Mr. Brazeau identified a large drain within the garage that had previously been used in conjunction with vehicle and equipment repairs and connects to an exterior oil water separator. Mr. Brazeau indicated that there had previously been two (2) USTs used in conjunction with a private fuel outlet prior to the implementation of the three (3) ASTs. Paterson was shown the locations of the two (2) previously

existing USTs and four (4) ASTs used in conjunction with the commercial office/garage building.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site inspection was conducted on Friday, May 8, 2020 by personnel from our environmental division. In addition to the Phase I Property, the uses of neighbouring properties within the Phase I study area were also assessed at the time of the site

6.2 Specific Observations at the Phase I Property

Site Features

The Phase I Property consists of two (2) one-storey residential dwellings with unfinished basements located on the most northern portion (3054 Navan Road) and eastern portion (3080 Navan Road) of the subject land. A single-storey commercial building previously used as a garage and office building is situated on the eastern side of 6101 Renaud Road, addressed 3060 Navan Road.

Stockpiles of debris and fill material and the storage of old equipment are present throughout the site . Access roads run east to west across the central portion of the subject site as well as north to south along the western border.

A berm is present along the western property line and two large stockpiles of fill material are centrally located on the subject land. Topsoil is stockpiled in the northwestern portion of the subject site.

The site is relatively at the grade of the surrounding residential developments to the south, west and east, while below the grade of the properties to the north with the regional topography sloping downwards in a southerly direction.

Site drainage on the Phase I Property consists primarily of surface infiltration throughout the property, in addition to surface run-off towards manholes located along Navan and Renaud Road. No ponded water was observed on the subject site. No signs of staining or indications of potential sub-surface contamination were observed at the time of the site visit.

A depiction of the Phase I Property is presented on Drawing PE4937-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

The two (2) single-storey residential dwellings have concrete foundations with unfinished basements. The commercial office/garage building is centrally located along the eastern property line of 6101 Renaud Road. The exterior finishes of the residential dwellings include wood and brick facades with a combination of sloped shingled and flat tar and gravel roofing.

The residential dwelling addressed 3080 Navan Road was built circa 1950s and 3054 Navan Road was built circa 1970. The commercial office/garage building at 3060 Navan Road was built circa 1960 and is comprised of sheet metal siding with a shingled roof and a large single-bay vehicle maintenance area.

Potential Environmental Concerns

- ❑ **Fuels and Chemical Storage**

  No above ground storage tanks (ASTs) or signs of underground storage tanks (USTs) were observed on the exterior of the Phase I Property at the time of the site visit. Paterson was informed that there had previously been two (2) underground storage tanks located directly west of the office/garage building in conjunction with a private fuel outlet.

  The tanks were removed approximately 25 years ago and have not been replaced. Three (3) previously existing above ground storage tanks (ASTs) were located immediately northwest of the office/garage building.

  These tanks were used in conjunction with a private fuel outlet. No staining or indication of the ASTs was observed at the time of the site visit.

  Former USTs were replaced by the ASTs, where their use in conjunction with private retail fuel outlet represent PCAs that result in APECs on the Phase I Property.

- ❑ **Hazardous Materials and Unidentified Substances**

  No hazardous materials, unidentified substances, surficial staining, abnormal odours, or indications of potential sub-surface contamination were observed on the Phase I Property at the time of the site inspection.

- ❑ **Transformer Oil and Polychlorinated Biphenyls (PCBs)**

  No transformers or other sources of PCBs were observed on the Phase I Property at the time of the site inspection.

- ❑ **Waste Management**

Waste materials observed on the Phase I Property at the time of the site inspection were noted to be limited to solid, non-hazardous domestic waste products and recyclables. All waste products were noted to be stored in plastic bins on the exterior of the subject building and collected by the municipality on a regular basis. No concerns were identified with respect to waste management practices on the Phase I Property.

- ❑ **Fill Material**

  Fill material was present on the central and western portions of the subject land which was used for fill handling with additional stockpiles of fill material imported on the central west and west side of the property. The unknown quality of the stockpiles and fill material imported on-site represent APECs on the Phase I Property.

Interior Assessment

A general description of the interiors of the subject buildings are as follows:

<u>3054 Navan Road (residential dwelling)</u>

- ❑ The floors consist parquet board flooring and vinyl floor tile.
- ❑ The walls consist of drywall.
- ❑ The ceilings consist of plaster.
- ❑ Lighting throughout the building consists of incandescent fixtures.

<u>3060 Navan Road (office/shop)</u>

- ❑ The floors consist of tile and concrete.
- ❑ The walls consist of drywall.
- ❑ The ceilings consist of plaster.
- ❑ Lighting throughout the building consists of incandescent fixtures.

<u>3080 Navan Road (residential dwelling)</u>

- ❑ The floors consist of hardwood and vinyl floor tile.
- ❑ The walls consist of drywall.
- ❑ The ceilings consist of plaster.

- Lighting throughout the building consists of incandescent fixtures.

Potentially Hazardous Building Materials

- **Asbestos-Containing Materials (ACMs)**

  Based on the age of the residences (circa 1950s) and commercial/garage building, asbestos may be potentially present within certain building materials. The potential ACMs identified at time of the site inspection include the drywall joint compound, plaster ceilings and vinyl floor tile. These building materials were observed to be in good condition at the time of the site inspection and do not pose an immediate concern.

- **Lead-Based Paint**

  Based on the age of the subject buildings, lead-based paints may be potentially present on any original or older painted surfaces. The painted surfaces within the buildings were generally observed to be in good condition at the time of the site inspection

- **Polychlorinated Biphenyls (PCBs)**

  No concerns with respect to PCBs were identified at the time of the site inspection.

- **Urea Formaldehyde Foam Insulation (UFFI)**

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

Other Potential Environmental Concerns

- **Fuels and Chemical Storage**

  No vent and fill pipes, or signs indicating the presence of underground or above ground storage tanks, were observed within the interior of the subject buildings with exception to the residential dwelling addressed 3054 Navan Road. The AST was observed to be in good condition; no apparent odour or staining was noted at the time of the site visit. A sump pit was noted as well, with no apparent sheen or odour at the time of the visit.

  Chemical storage on the Phase I Property was observed to be limited to domestically available cleaning products, and were stored in their original

containers. No hazardous chemicals, spills, stains, or any unusual visual or olfactory observations were noted at the time of the site inspection.

No concerns with respect to fuels or chemical storage were identified during the site inspection.

- **Wastewater Discharges**

  Wastewater is currently discharged from the Phase I Property to private septic systems. Sump pits were observed in all of the residential dwellings as well as a large floor drain used in conjunction with the garage.

  Water was observed within the sump pits at the time of the site visit; no odours or sheen was noted at the time of the site visit.

  Roof drainage from the subject buildings is discharged into the landscaped areas surrounding the structures. There is a large floor drain centrally located within the garage used in conjunction with an oil water separator on the west side of the garage. The presence of the large floor drain used in conjunction with the vehicle maintenance operations in the garage represents PCAs that results in APEC on the Phase I Property.

- **Ozone Depleting Substances (ODSs)**

  Potential sources of ODSs observed on the Phase I Property include fire extinguishers, refrigerators and AC units. These appliances appeared 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 roadways at the time of the site inspection. Land use adjacent to the Phase I Property was observed to be as follows:

North: Laurent Leblanc Limited head office (3000 Navan Road), followed by Navan Road and residential dwellings;

South: Residential dwellings followed by Renaud Road and more residential development;

East: Residential dwelling and a commercial building followed by Pagé Road, a model home center and Navan Road;

West: Residential development followed by agricultural fields.

One (1) Potentially Contaminating Activity (PCA) was identified on a property within the Phase I Study Area. The PCA is the three (3) ASTs in conjunction with a private retail fuel outlet located at the property addressed 3000 Navan Road. The neighbouring land use within the Phase I study area is illustrated on Drawing PE4937-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I Property was initially developed with residential dwellings during the interim of the early 1950s to 1970, and a commercial building that was used as an office and repair garage in the 1960s. Land uses of the Phase I Property remains residential and commercial.

Potentially Contaminating Activities

Based on our historical review, potentially contaminating activities (PCAs) were identified on-site and off-site, resulting in areas of potential environmental concern (APECs) on the Phase I Property. As per Column A of Table 2 of the O.Reg. 153/04, as amended, the following on-and off-site PCAs that generate APECs on the Phase I Property are:

- ❒ PCA 28 – *"Gasoline and Associated Products Storage in Fixed Tanks,"* associated with the former presence of 3 ASTs situated on the eastern portion of the Phase I Property, 3060 Navan Road (APEC 1);
- ❒ PCA 52 – *"Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems,"* associated with a former repair garage at 3060 Navan Road (APEC 2);
- ❒ PCA 28 – *"Gasoline and Associated Products Storage in Fixed Tanks,"* associated with the former USTs nest at 3060 Navan Road (APEC 3);
- ❒ PCA 30 – "*Importation of Fill Material of Unknown Quality"* associated with handling and placement of fill material across the majority of the commercial portion of the Phase I Porperty, including 2980 Navan Road (APEC 4); and
- ❒ PCA 28 – *"Gasoline and Associated Products Storage in Fixed Tanks,"* associated with the former location of ASTs and presence of 3 ASTs at 3000 Navan Road (APEC 5).

The remaining off-site PCAs were not considered to result in APECs based on their separation distances and/or orientations with respect to the subject land.

The off-site PCAs within the Phase I Study Area are identified in green on Drawing PE4937-2– Surrounding Land Use Plan.

Areas of Potential Environmental Concern

The aforementioned historical PCAs have resulted in the following APECs:

- APEC 1: Resulting from the former ASTs situated on the eastern portion of the Phase I property at 3060 Navan Road (PCA 28).
- APEC 2: Resulting from the former repair garage located on the eastern portion of the Phase I Property (PCA 52).
- APEC 3: Resulting from the former UST nest located on the eastern portion of the Phase I Property (PCA 28).
- APEC 4: Resulting from fill material of unknown quality, associated with the handling and placement of fill material of unknown quality on the commercial portion and western portions of the Phase I Property (PCA 30).
- APEC 5: Resulting from the former and existing presence of 3 ASTs located at 3000 Navan Road (PCA 28).

The aforementioned PCAs that represent APECs on the Phase I Property are outlined in on Drawing PE4937-1–Site Plan.

Contaminants of Potential Concern

Based on the APECs identified on the Phase I Property, the contaminants of potential concern (CPCs) are:

- Benzene, ethylbenzene, toluene and xylenes (BTEX);
- Petroleum hydrocarbons (PHCs, Fractions F_1-F_4);
- Polycyclic aromatic hydrocarbons (PAHs);
- Volatile organic compounds (VOCs); and
- Metals plus Mercury (Hg), and Hexavalent Chromium (CrVI).

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of shale of the Billings Formation. The

overburden is reported to consist of reworked marine sediments with a thickness of 25 to 50 m across the site. The groundwater is expected to flow in a southerly direction.

Based on the well records, the Phase I Property is situated in an area where the overburden consists of sandy clay and clay, underlain by shale and limestone bedrock more than 28 mbgs.

Fill Placement

Based on the historical review in combination with the site visit, the central and western portions of the subject land has been used for fill handling with additional stockpiles of fill material imported on the central west and west sides of the property. The unknown quality of the stockpiles and fill material imported on-site represent APECs on the Phase I Property.

Existing Buildings and Structures

The Phase I Property is currently occupied by two (2) single- storey residential dwellings with unfinished basements located at 3054 and 3080 Navan Road. A slab on grade commercial building formerly used as a repair garage is located at 3060 Navan Road.

Drinking Water Wells

One potable water well is present and currently in-use at 3045 Navan Road. The remainder of the site is serviced by municipal water.

Subsurface Structures and Utilities

The Phase I Property is situated in a partially municipally serviced area. Underground utility services on the property include natural gas and municipal water, which enter the Phase I Property from Page Road. The residential dwelling at 3054 Navan Road still relies on a domestic well located on the south side of the residence.

Private septic systems are located on the southwest side of the residence of 3045 Navan Road; south side of 3080 Navan Road; and two (2) septic tanks on the north and west sides of the commercial building at 3060 Navan Road.

Areas of Natural Significance and Water Bodies

No areas of natural significance or water bodies were identified on the Phase I Property or within the Phase I Study Area.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists primarily of residential properties with the occasional commercial land use.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, five (5) PCAs are considered to result APECs on the Phase I Property. These APECs are summarized in Table 1, along with their respective locations and contaminants of potential concern (CPCs) on the Phase I Property.

Table 1: Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern	Potentially Contaminating Activity	Location of PCA (on-site or off-site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil, and/or Sediment)
APEC 1: Resulting from the former ASTs	Eastern portion of the Phase I Property	PCA 28 – "*Gasoline and Associated Products Storage in Fixed Tanks.*"	On-site	BTEX PHCs (F_1-F_4) VOCs	Soil and/or Groundwater
APEC 2: Resulting from the former repair garage located	Eastern portion of the Phase I Property	PCA 52 – *"Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems."*	On-site	BTEX PHCs (F_1-F_4) VOCs	Soil and/or Groundwater
APEC 3: Resulting from the former UST nest	Eastern portion of the Phase I Property	PCA 28 – "*Gasoline and Associated Products Storage in Fixed Tanks.*"	On-site	BTEX PHCs (F_1-F_4) VOCs	Soil and/or Groundwater
APEC 4: Resulting from fill material of unknown quality	Central and central west portions of the Phase I Property	PCA 30 – "*Importation of Fill Material of Unknown Quality.*"	On-site	PAHs Metals (including Hg, CrVI)	Soil and/or Groundwater
APEC 5: Resulting from the presence of a former and existing 3 ASTs	Central north side of the Phase I Property	PCA 28 – "*Gasoline and Associated Products Storage in Fixed Tanks.*"	Off-site	BTEX PHCs (F_1-F_4)	Soil and/or Groundwater

As previously discussed in Section 7.1, the remaining off-site PCAs were determined not to represent APECs on the Phase I Property.

Contaminants of Potential Concern

As per the APECs identified in Section 7.1, the contaminants of potential concern (CPCs) in soil and/or groundwater include:

- ❒ Benzene, ethylbenzene, toluene and xylenes (BTEX);
- ❒ Petroleum hydrocarbons (PHCs, Fractions F_1-F_4);
- ❒ Polycyclic aromatic hydrocarbons (PAHs);
- ❒ Volatile organic compounds (VOCs); and
- ❒ Metals plus Mercury (Hg), and Hexavalent Chromium (CrVI).

The CPCs are expected to be present in the soil and/or groundwater of 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 on-site and off-site PCAs that have resulted in 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 CONCLUSION

Assessment

Paterson Group was retained by Caivan Communities to conduct a Phase I – Environmental Site Assessment (Phase I ESA) of the properties located at 2980, 3054, 3060 and 3080 Navan Road, and 6101 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 site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical information reviewed, the Phase I Property was first developed with the existing residential dwelling addressed 3080 Navan Road in 1950, followed by the residence addressed 3054 Navan and a commercial building/repair garage addressed 3060 Navan Road in the early 1970s. Fill material of unknown quality was identified throughout the commercial portion of the Phase I Property, including 2980 Renaud Road.

Additionally, an ERIS search was conducted as part of this assessment. Based on the ERIS report, a portion of the Phase I Property (3060 Navan Road) had records of expired ASTs and waste generator records of hazardous waste (e.g. solvents, petroleum-based and light fuel wastes) associated with a heavy equipment repair garage.

A 2008 Phase II ESA report was provided for review as part of this Phase I ESA. The Phase III ESA was conducted in the vicinity of the 3 ASTs and the maintenance garage on site. Contaminated soil and groundwater were identified in the area of the garage while contaminated soil was inferred to be present in the areas of the ASTs. The presence of this these impacted media have been in corporate in our APECs 1 and 2.

Based on the past site operations on-site, four (4) PCAs were identified and considered to result in APECs on the Phase I Property (APECs 1 through 4).

Historical land use of the surrounding area consisted primarily of residential and agricultural lands with a commercial contractor’s yard at 3000 Navan Road, which included three (3) former ASTs associated with a private fuel outlet. The ERIS report identifed records that supported these operations at 3000 Navan Road as well as several waste generator records of hazardous waste associated with a repair garage. Based on the operations associated with this property, the former location of the ASTs was considered to represent an APEC on the Phase I Property.

Following the historical review, a site inspection was conducted on May 8, 2020. The Phase I Property is currently occupied by two (2) residential dwellings located on the eastern and northwestern portions of the subject land, as well as a commercial office/garage style building. No additional PCAs that result in APECs were identified with respect to the current use of the Phase I Property

The surrounding land use consisted of residential with some commercial lands as well as agricultural lands. A private fuel station with 3 ASTS were noted at 3000 Navan Road. No PCAs aside from the previously discussed ASTs and service garage were identified with respect to the current use of the surrounding lands.

Recommendations

Based on the results of this assessment, it is our opinion that **a Phase II - Environmental Site Assessment is required for the property.**

Based on the ages of the subject buildings, asbestos containing materials (ACMs) may be present within these structures. Potential ACMs identified include drywall joint compound, vinyl floor tiles and plaster. This material was noted to be in good condition at the time of our inspection and does not represent an immediate concern. An asbestos survey of the building should be conducted in accordance with Ontario Regulation 278/05, under the Occupational Health and Safety Act, prior to demolition or renovation, if one has not already been conducted.

Lead-based paint may be present on any remaining original surfaces within the building. It is recommended that paint be tested for lead content prior to its disturbance. Major work involving lead-based paint or other lead containing products must be done in accordance with Ontario Regulation 843, under the Occupational Health and Safety Act.

It is our understanding that the subject buildings will be demolished in conjunction with future redevelopment. Prior to any demolition activities, a designated substance survey (DSS) must be conducted for the existing structure, in accordance with Ontario Regulation 490/09 under the Occupational Health and Safety Act.

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. The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

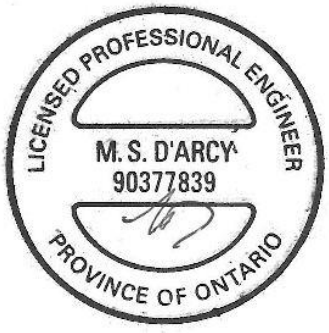
Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

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

Paterson Group Inc.

Mandy Witteman, B.Eng., M.A.Sc

Mark S. D'Arcy, P.Eng., QP$_{ESA}$



Report Distribution:

- Caivan Communities
- Paterson Group Inc.

10.0 REFERENCES

Federal Records
Natural Resources Canada Air Photo Library.
Natural Resources Canada The Atlas of Canada.
Geological Survey of Canada Surficial and Subsurface Mapping.
Environment Canada, National Pollutant Release Inventory.
National PCB Waste Storage Site Inventory.
National Archives of Canada.

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP Waste Disposal Site Inventory, 1991.
MECP Brownfields Environmental Site Registry.
MECP Water Well Inventory.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
Ministry of Natural Resources and Forestry Areas of Natural Significance.
Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.

Municipal Records
City of Ottawa Document "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.
The City of Ottawa eMap website.

Local Information Sources
Personal Interviews.

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Sources
ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4937-1 – SITE PLAN

DRAWING PE4937-2 – SURROUNDING LAND USE PLAN

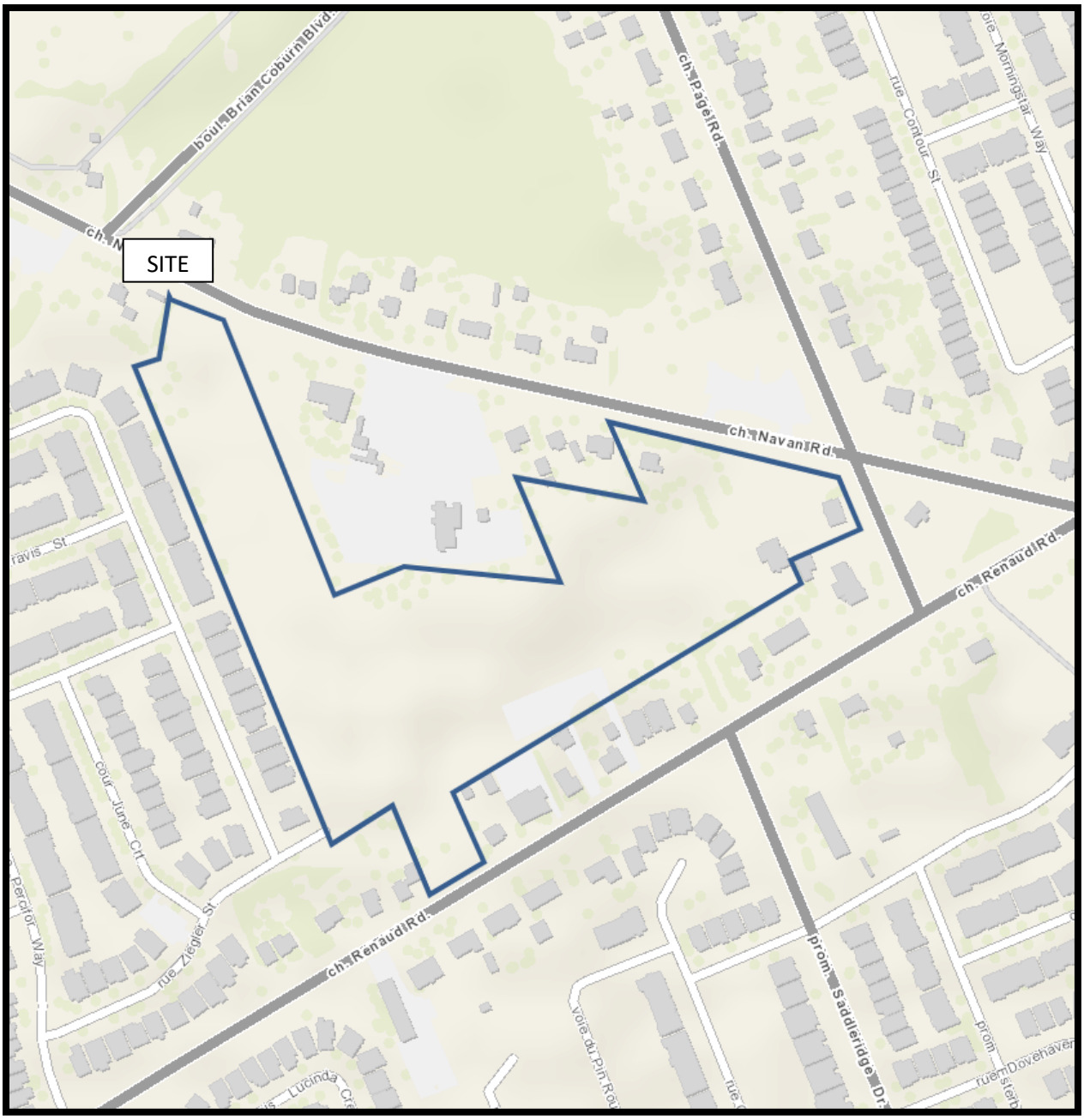


FIGURE 1

KEY PLAN

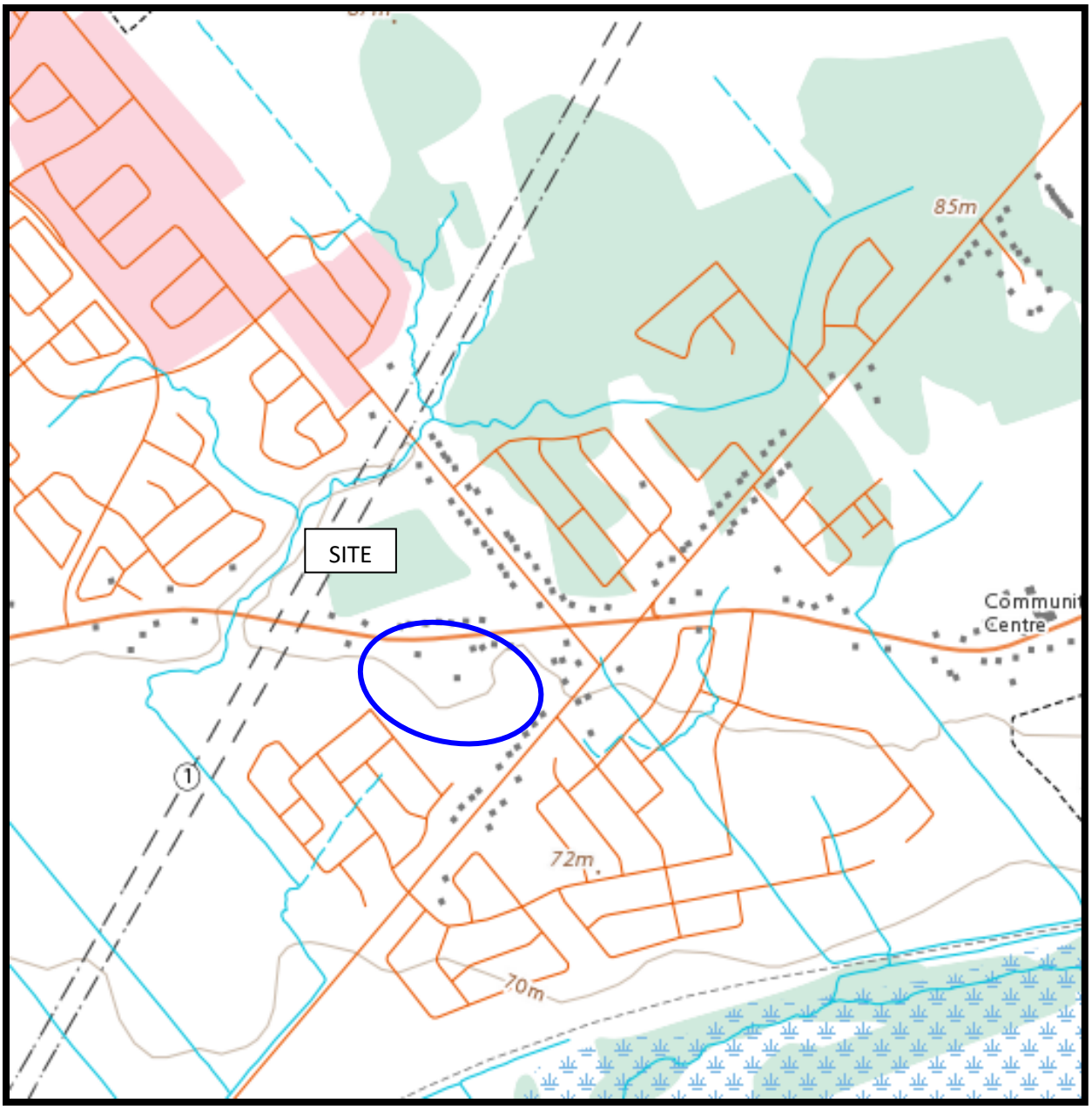
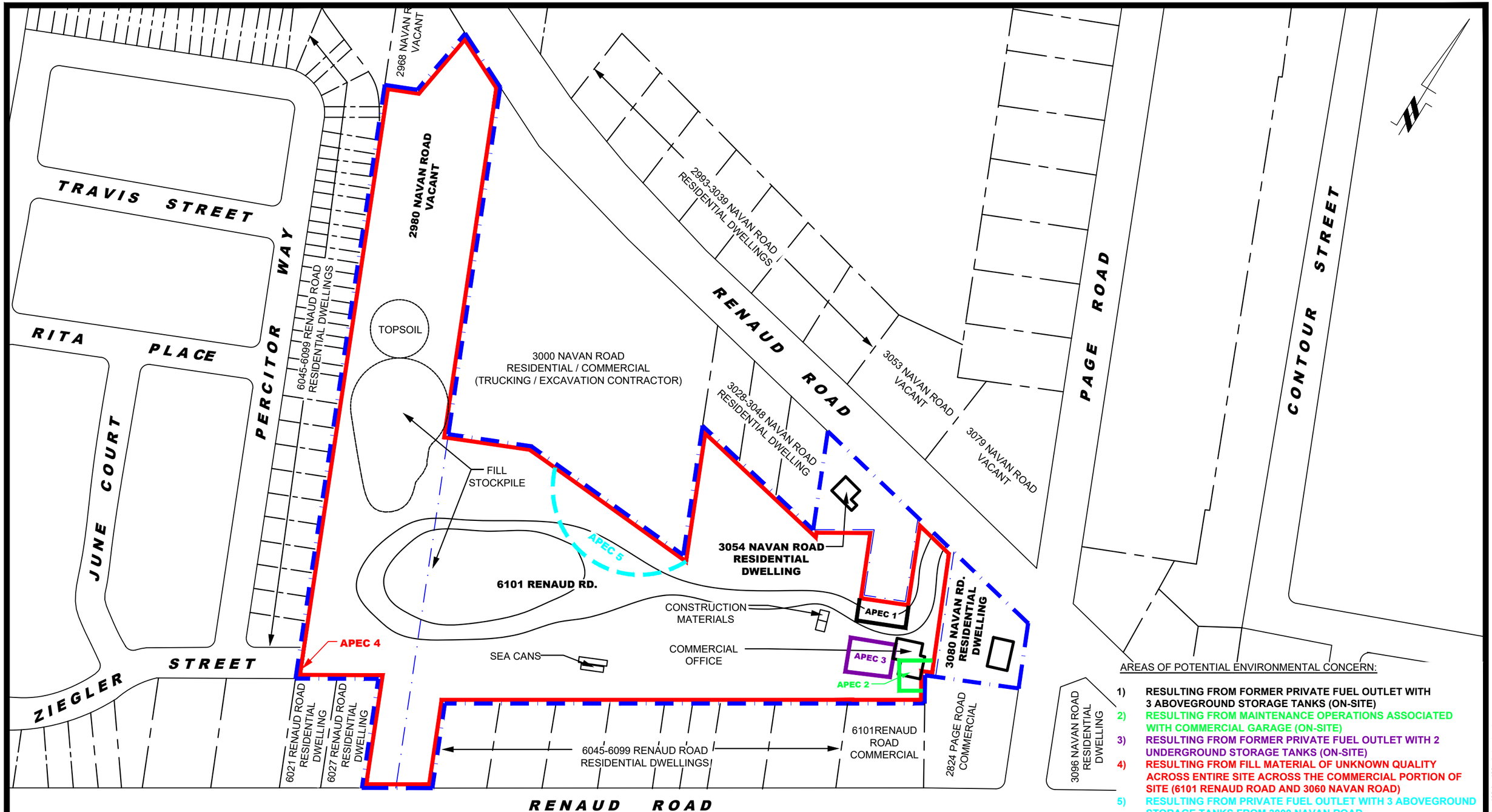


FIGURE 2

TOPOGRAPHIC MAP



AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

1) RESULTING FROM FORMER PRIVATE FUEL OUTLET WITH 3 ABOVEGROUND STORAGE TANKS (ON-SITE)
2) RESULTING FROM MAINTENANCE OPERATIONS ASSOCIATED WITH COMMERCIAL GARAGE (ON-SITE)
3) RESULTING FROM FORMER PRIVATE FUEL OUTLET WITH 2 UNDERGROUND STORAGE TANKS (ON-SITE)
4) RESULTING FROM FILL MATERIAL OF UNKNOWN QUALITY ACROSS ENTIRE SITE ACROSS THE COMMERCIAL PORTION OF SITE (6101 RENAUD ROAD AND 3060 NAVAN ROAD)
5) RESULTING FROM PRIVATE FUEL OUTLET WITH 3 ABOVEGROUND STORAGE TANKS FROM 3000 NAVAN ROAD

patersongroup
consulting engineers

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

NO.	REVISIONS	DATE	INITIAL

CAIVAN COMMUNITIES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
RENAUD ROAD AT NAVAN ROAD

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:2000	Date: 06/2020
Drawn by: YA	Report No.: PE4937-1
Checked by: SB	Dwg. No.: PE4937-1
Approved by: MSD	Revision No.:

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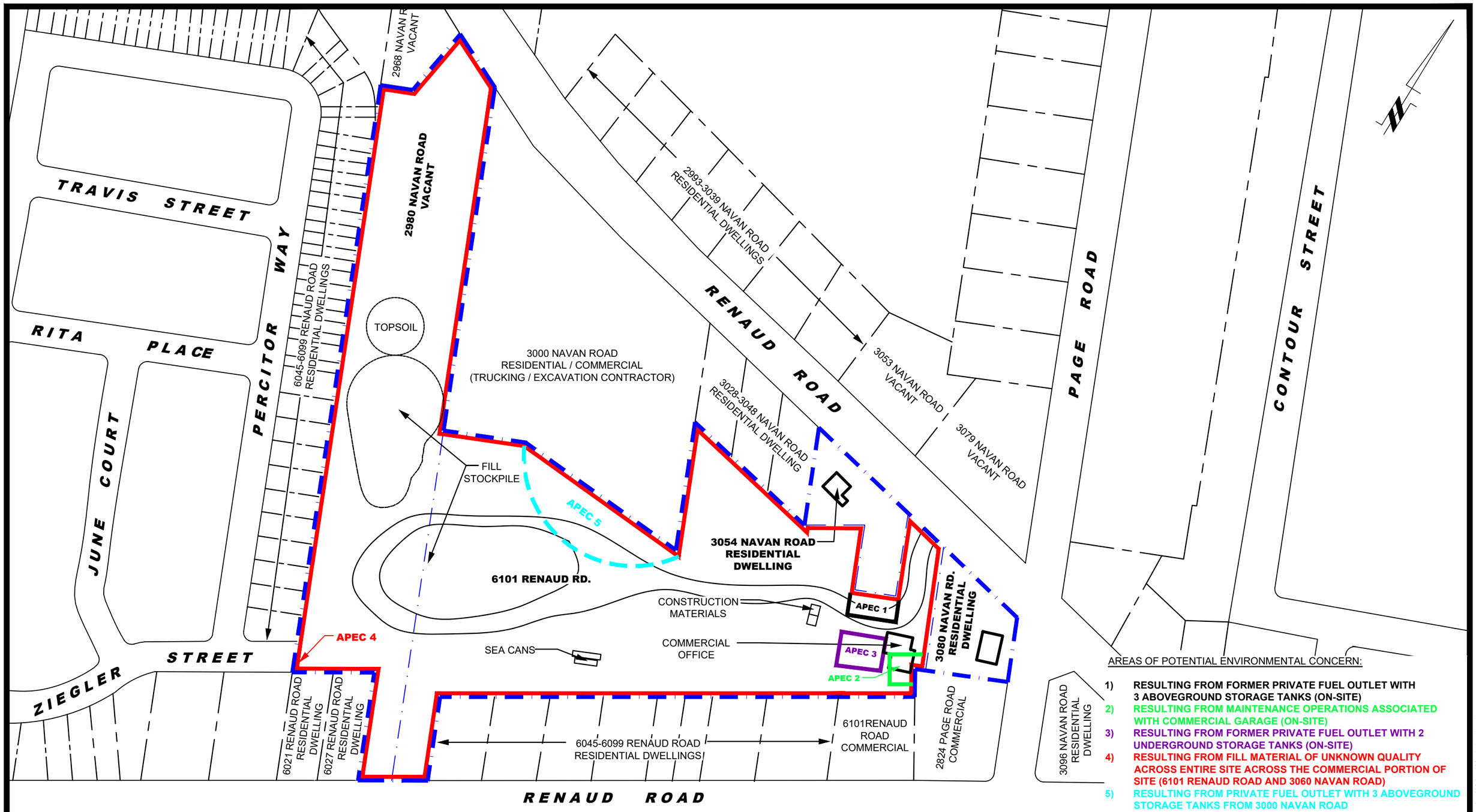

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN:

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NO.	REVISIONS	DATE	INITIAL

CAIVAN COMMUNITIES

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
RENAUD ROAD AT NAVAN ROAD

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:2000	Date: 06/2020
Drawn by: YA	Report No.: PE4937-1
Checked by: MW	Dwg. No.: PE4937-1
Approved by: MSD	Revision No.:

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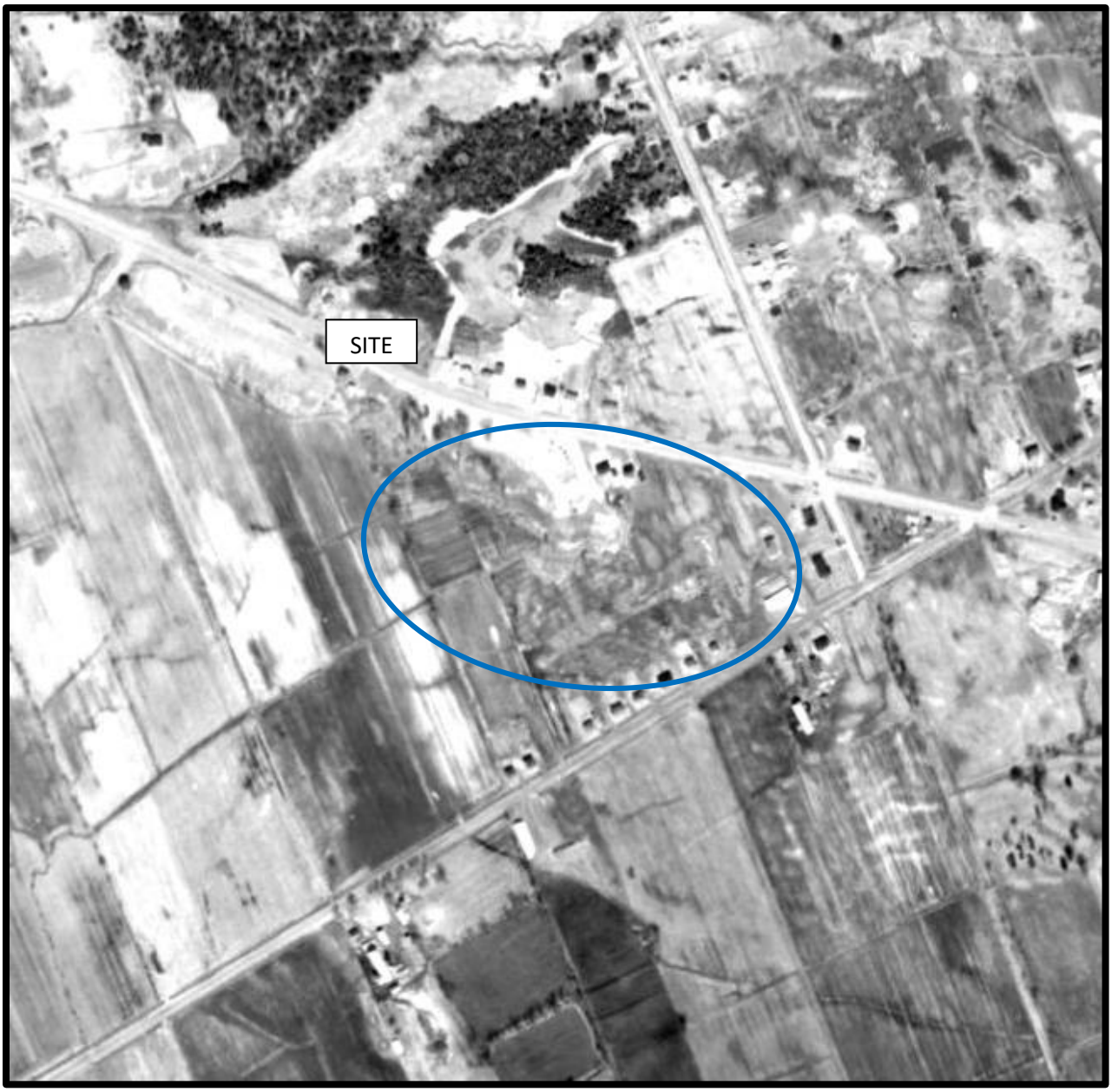
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



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1965

AERIAL PHOTOGRAPH
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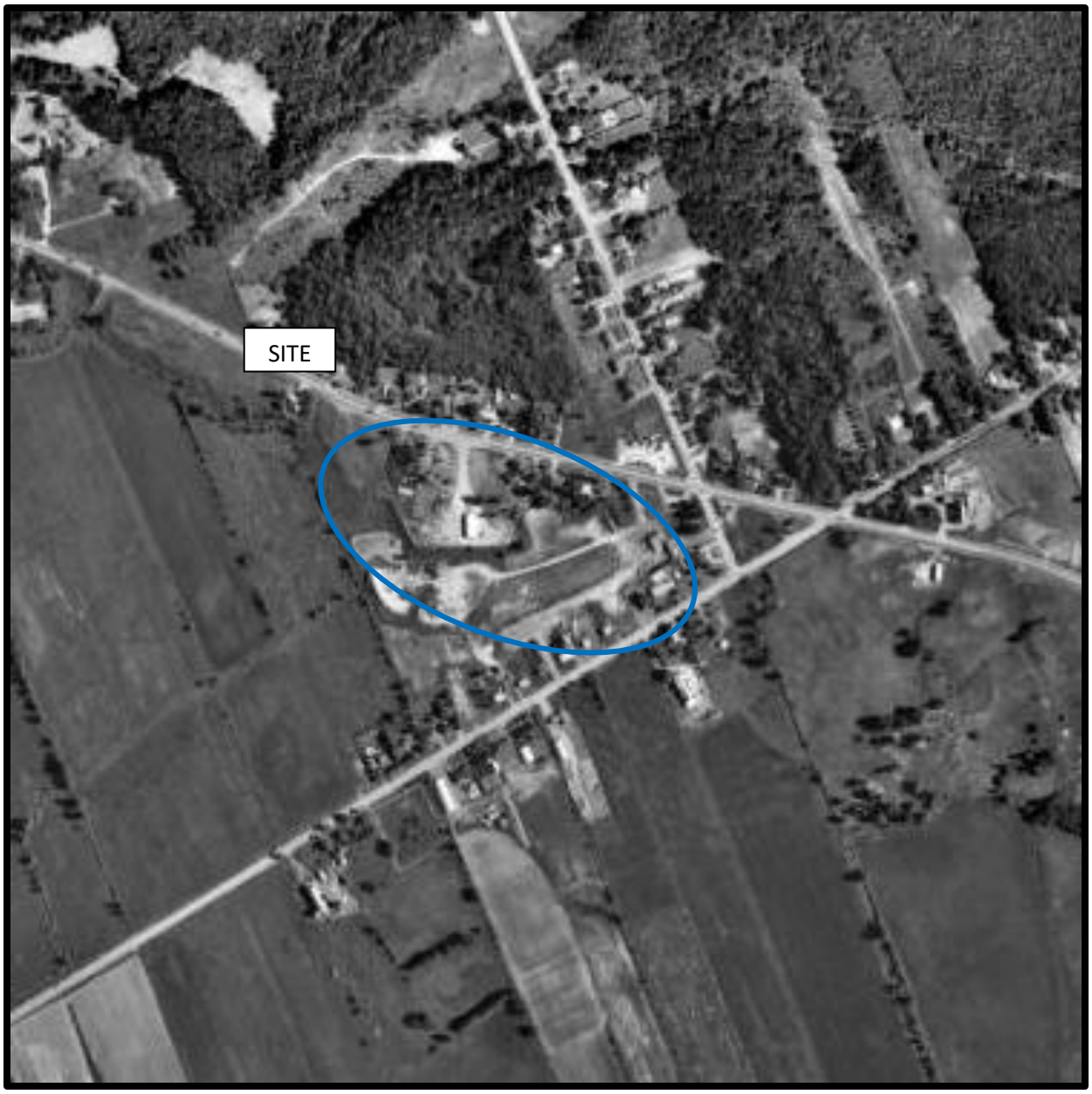

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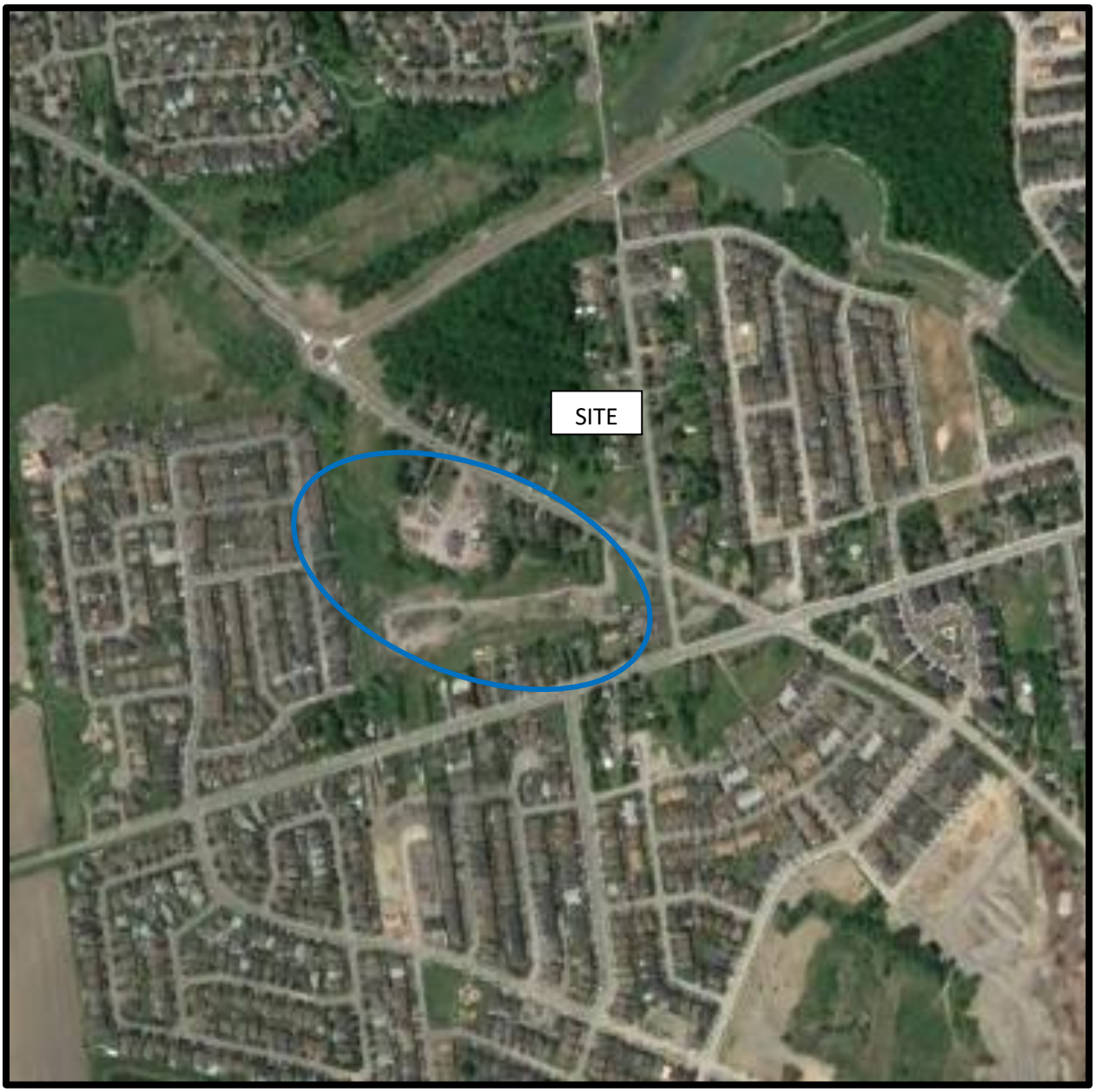
AERIAL PHOTOGRAPH
2005



AERIAL PHOTOGRAPH
2017

APPENDIX 2

HLUI RESPONSE

ERIS REPORT

Office Use Only			
Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):	
Client Service Centre Staff:		Fee Received:	$

Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

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

Background Information

***Site Address or Location:** *6101 Renaud Road, Ottawa, ON*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Paterson Group*		
Mailing Address:	*154 Colonnade Rd South, Ottawa, ON*		
Telephone:	*613-226-7381*	Email Address:	*sberube@patersongroup.ca*

Registered Property Owner Information: ☐ Same as above

Name:	*Marcel Brazeau*		
Mailing Address:	*3060 Navan Road, Ottawa Ontario, K1W 1E9*		
Telephone:		Email Address:	*mjr@brazeaultd.ca*

Site Details

Legal Description and PIN:	*N/A*
What is the land currently used for?	*Commercial/Residential*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 58,800 m²

Does the site have Full Municipal Services: ○ Yes ◉ No

Required Fees

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

Planning Fee	$100.00

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.

2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Infrastructure and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.

3. A site plan or key plan of the property, its location and particular features.

4. Any significant dates or time frames that you would like researched.

Disclaimer
For use with HLUI Database

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

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

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: 

Dated (dd/mm/yyyy): 13/05/2020

Per: Samuel Berube

(Please print name)

Title: Environmental Consultant

Company: Paterson Group

From: **Samuel Berube** SBerube@Patersongroup.ca
Subject: HLUI Consent Form
Date: May 11, 2020 at 9:05 AM
To: mjr@brazeaultd.ca

SB

Hi Marcel,

Can you please complete and sign the attached form and resend it to me?

Thank you,

Samuel Berube, B.Eng.
patersongroup
solution oriented engineering
over 60 years serving our clients

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Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381
Cell: 613-558-0932

patersongroup

Consulting Engineers

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

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

May 11, 2020
File: PE4937-HLUI

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

Subject: **Authorization Letter, HLUI Search**
Phase I-Environmental Site Assessment
6101 Renaud Road, Ottawa Ontario
Ottawa, Ontario

Dear Sir or Madame,

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

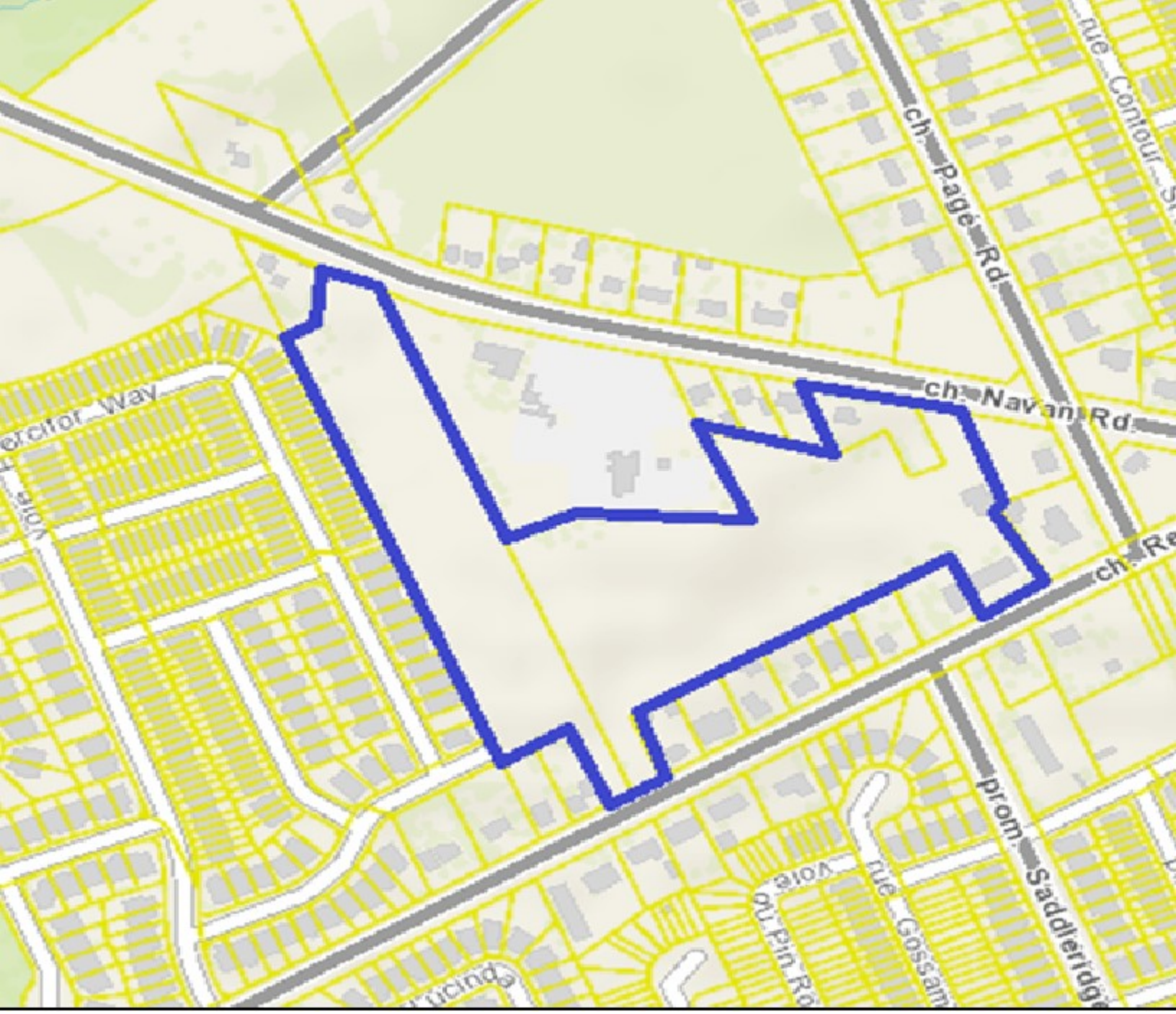
With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner: _____

Name of Representative MARCEL BRAZEAULT

Authorization of Representative _____

Date MAI - 11 - 2020


ch Page Rd
ch Navan Rd
prom Saddleridge

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *Navan and Renaud Road* *Ottawa ON K4B 1H9*
Project No:	*30074*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*20200508091*
Requested by:	*Paterson Group Inc.*
Date Completed:	*May 13, 2020*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Phase I ESA* *Navan and Renaud Road Ottawa ON K4B 1H9*
Project No:	*30074*

Order Information:

Order No:	*20200508091*
Date Requested:	*May 8, 2020*
Requested by:	*Paterson Group Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	1	7	8
CA	Certificates of Approval	Y	0	7	7
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	2	2
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	10	10
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	11	11
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	2	0	2
FSTH	Fuel Storage Tank - Historic	Y	2	0	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	5	12	17
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	4	4
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	3	3
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	2	2
SPL	Ontario Spills	Y	1	5	6
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	30	31
	Total:		12	94	106

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 6 con 3 ON ***Well ID:*** 1501420	E/0.0	0.00	31
1	GEN	MARCEL BRAZEAU LTD.	LOT 6, CONC. 3 OFF NAVAN ROAD C/O BOX 231 R.R.#9 GLOUCESTER ON K1G 3N5	ESE/0.0	0.00	33
1	GEN	MARCEL BRAZEAU LTD. 26-391	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	W/0.0	0.00	34
1	GEN	MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	W/0.0	0.00	34
1	FSTH	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	W/0.0	0.00	34
1	FSTH	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	W/0.0	0.00	35
1	BORE		ON	E/0.0	0.00	35
1	GEN	MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	W/0.0	0.00	36

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	W/0.0	0.00	37
1	FST	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	W/0.0	0.00	37
1	FST	MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	W/0.0	0.00	38
1	SPL	Enbridge Gas Distribution Inc.	3060 Navan Rd Ottawa ON	W/0.0	0.00	38

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SPL	BUS	NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	ENE/7.6	0.00	38
3	WWIS		lot 6 con 3 ON ***Well ID:*** 1510706	E/9.0	0.00	39
4	WWIS		lot 6 con 3 ON ***Well ID:*** 1501421	S/12.1	-2.00	41
5	BORE		ON	S/12.2	-2.00	44
6	WWIS		OTTAWA ON ***Well ID:*** 7300714	ESE/27.4	-0.05	45
7	SPL	Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	SE/28.4	-1.97	47
7	SPL	Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	SE/28.4	-1.97	48
7	INC		6071 Renaud Road, Orleans ON K1C 7G4	SE/28.4	-1.97	48
8	WWIS		lot 6 con 3 ON ***Well ID:*** 1501429	NE/29.1	0.00	49
9	WWIS		lot 6 con 3 ON ***Well ID:*** 1511098	NE/30.0	0.00	52
10	WWIS		lot 6 con 3 ON ***Well ID:*** 1510906	NW/33.5	0.00	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	BORE		ON	NW/33.7	0.00	58
12	BORE		ON	NNE/36.2	0.00	60
13	WWIS		lot 6 con 3 ON ***Well ID:*** 1501427	E/40.3	0.00	61
14	WWIS		lot 5 con 3 ON ***Well ID:*** 1501415	ENE/42.1	0.00	63
15	SCT	Orleans Printers Ltd.	6102 Renaud Rd Unit 1 Orleans ON K1W 1E9	ESE/42.5	0.00	66
16	WWIS		lot 6 con 4 ON ***Well ID:*** 1501529	ESE/42.8	-0.05	66
17	WWIS		lot 6 con 3 GLOUCESTER ON ***Well ID:*** 7163106	NW/48.8	0.00	69
18	WWIS		lot 6 con 3 NAVAN ON ***Well ID:*** 7279124	WNW/48.8	0.00	75
19	GEN	LAURENT LEBLANC LIMITED	3000 NAVAN ROAD GLOUCESTER ON K1C 7G4	NW/49.8	0.00	76
19	EHS		3000 Navan Road Ottawa ON K1C 7G4	NW/49.8	0.00	77
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	77
19	CA	Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	77
19	CA	Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	78

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	CA	Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	78
19	SCT	Laurent Leblanc Ltd.	3000 Navan Rd Orléans ON K1C 7G4	NW/49.8	0.00	78
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	79
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	79
19	GEN	Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	NW/49.8	0.00	79
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON	NW/49.8	0.00	80
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON	NW/49.8	0.00	80
19	ECA	Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	80
19	ECA	Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	80
19	ECA	Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	NW/49.8	0.00	81
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	81
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	81
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	82

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	82
19	EASR	2561678 ONTARIO INC.	3000 NAVAN RD ORLEANS ON K1C 7G4	NW/49.8	0.00	83
19	GEN	Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	NW/49.8	0.00	83
20	WWIS		lot 6 con 4 ON ***Well ID:*** 1501528	E/51.3	0.00	83
21	EHS		3096 Navan Rd Ottawa ON K1W1E9	E/52.8	0.00	86
22	EHS		6102 Renaud Rd Ottawa ON K1W1E9	ESE/53.0	-0.77	86
23	EHS		2968 Navan Rd Ottawa ON K1C7G4	WNW/55.4	0.00	86
24	EHS		2973 Navan Rd Ottawa ON K1C7G4	NW/57.8	0.00	87
25	WWIS		lot 6 con 2 ON ***Well ID:*** 1511923	NW/59.2	0.00	87
26	WWIS		lot 6 con 3 ON ***Well ID:*** 1501531	NW/63.0	0.00	90
27	WWIS		lot 5 con 3 ON ***Well ID:*** 1510713	ENE/76.4	1.00	93
28	WWIS		OTTAWA ON ***Well ID:*** 7300715	ESE/83.5	-1.00	96
29	EHS		3097 and 3107 Navan Road Ottawa ON K1W1E9	ENE/85.9	0.68	99

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
30	HINC		6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	E/90.5	0.00	99
30	HINC		6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	E/90.5	0.00	99
31	WWIS		OTTAWA ON ***Well ID:*** 7300645	ESE/94.2	-0.69	100
32	WWIS		lot 6 con 3 ON ***Well ID:*** 1510718	NE/94.4	0.80	103
33	BORE		ON	NE/94.6	0.80	106
34	BORE		ON	SE/95.4	-2.00	107
35	WWIS		lot 6 con 4 ON ***Well ID:*** 1501530	SE/95.7	-2.00	108
36	WWIS		lot 6 con 4 OTTAWA ON ***Well ID:*** 7300644	ESE/97.2	-1.00	111
37	BORE		ON	ENE/98.5	1.00	114
38	ECA	City of Ottawa	2955 Navan Rd Ottawa ON K2G 6J8	NW/118.2	0.76	115
39	EHS		2955 Navan Rd Ottawa ON K1C7G4	NW/118.2	0.76	116
40	HINC		2777 PAGE ROAD Orleans ON K1W 1G1	ENE/122.0	1.00	116
41	WWIS		lot 5 con 3 ON ***Well ID:*** 1511515	NE/131.4	1.00	116

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
42	WWIS		ON **Well ID:** 7292790	NW/131.7	1.03	119
43	HINC		231 LUCINDA CRESCENT ORLEANS ON K1W 0A1	SSW/132.2	-5.67	120
44	WWIS		lot 5 con 3 ON **Well ID:** 1511514	NE/139.4	1.00	120
45	WWIS		lot 6 con 3 ON **Well ID:** 1501453	NE/140.6	1.00	123
46	CA	Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	ENE/141.4	1.00	126
46	CA	Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	ENE/141.4	1.00	126
46	ECA	Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	ENE/141.4	1.00	126
46	ECA	Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	ENE/141.4	1.00	127
47	EHS		Navan Rd Renaud Rd Ottawa ON	E/145.1	1.00	127
48	SPL		Renaud Rd and Navan Rd Ottawa ON	E/145.2	1.00	127
49	WWIS		lot 5 con 3 ON **Well ID:** 1510712	NE/157.1	1.00	128
50	BORE		ON	NE/157.2	1.00	131

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
51	EHS		Navan Rd Ottawa ON	NW/182.1	0.82	132
52	PINC		362 Saddleridge Drive, Ottawa ON	ESE/184.5	-3.00	132
53	WWIS		lot 5 con 4 ON ***Well ID:*** 1509638	E/185.6	1.00	133
54	WWIS		lot 5 con 3 ON ***Well ID:*** 1501412	NE/192.5	1.00	136
55	EHS		Navan Road Ottawa ON	NNW/215.8	0.00	138
56	PINC		700 MORNINGSTAR WAY, OTTAWA ON	ENE/225.2	1.00	138
56	SPL	Enbridge Gas Distribution Inc.	700 Morningstar Way Ottawa ON	ENE/225.2	1.00	139
57	WWIS		lot 5 con 4 ON ***Well ID:*** 1501527	E/226.1	1.00	139
58	ECA	Jean-Guy Rivard	6048 Renaud Rd Ottawa ON K1C 6Z7	SSE/229.8	-7.03	141
59	EASR	AECON CONSTRUCTION ONTARIO EAST LIMITED	ON	NW/232.0	-1.82	142
60	CA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	E/236.8	1.00	142
60	CA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	E/236.8	1.00	142
60	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	E/236.8	1.00	143

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
60	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	E/236.8	1.00	143
60	ECA	Claridge Homes (Carson) Inc.	3138 Navan Rd Ottawa ON K2P 0Y6	E/236.8	1.00	143
61	PINC		6173 Renaud Road, Ottawa ON	ENE/243.9	1.00	143
62	WWIS		Ottawa ON ***Well ID:*** 7220992	E/244.4	1.00	144
63	EHS		3143 Navan Road Navan ON K4B 1H9	E/245.6	1.00	147
64	WWIS		lot 5 con 3 ON ***Well ID:*** 1511711	NE/247.6	1.00	147
65	EHS		6173 Renaud Road Navan ON K4B 1H9	ENE/250.8	1.00	149

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 8 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	1
	ON	12.2	5
	ON	33.7	11
	ON	36.2	12
	ON	94.6	33
	ON	95.4	34
	ON	98.5	37
	ON	157.2	50

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 7 CA site(s) within approximately 0.25 kilometers of

the project property.

Site	Address	Distance (m)	Map Key
Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	49.8	19
Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	49.8	19
Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	49.8	19
Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	141.4	46
Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester Ottawa ON	141.4	46
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	236.8	60
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	236.8	60

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Apr 30, 2020 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2561678 ONTARIO INC.	3000 NAVAN RD ORLEANS ON K1C 7G4	49.8	19
AECON CONSTRUCTION ONTARIO EAST LIMITED	ON	232.0	59

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Apr 30, 2020 has found that there are 10 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Andre Joseph Jean Leblanc	3000 Navan Road Gloucester ON K1C 7G4	49.8	19
Laurent Leblanc Limited	3000 Navan Road Gloucester ON K1C 7G4	49.8	19
Andre Leblanc Cartage Ltd.	3000 Navan Road Gloucester ON K1C 7G4	49.8	19
City of Ottawa	2955 Navan Rd Ottawa ON K2G 6J8	118.2	38
Minto Communities Inc.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	141.4	46
Richcraft Homes Ltd.	6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1G 4K1	141.4	46
Jean-Guy Rivard	6048 Renaud Rd Ottawa ON K1C 6Z7	229.8	58
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	236.8	60
Claridge Homes (Carson) Inc.	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	236.8	60
Claridge Homes (Carson) Inc.	3138 Navan Rd Ottawa ON K2P 0Y6	236.8	60

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 12 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3000 Navan Road Ottawa ON K1C 7G4	49.8	19
	3096 Navan Rd Ottawa ON K1W1E9	52.8	21
	6102 Renaud Rd Ottawa ON K1W1E9	53.0	22
	2968 Navan Rd Ottawa ON K1C7G4	55.4	23
	2973 Navan Rd Ottawa ON K1C7G4	57.8	24
	3097 and 3107 Navan Road Ottawa ON K1W1E9	85.9	29
	2955 Navan Rd Ottawa ON K1C7G4	118.2	39
	Navan Rd Renaud Rd Ottawa ON	145.1	47
	Navan Rd Ottawa ON	182.1	51
	Navan Road Ottawa ON	215.8	55
	3143 Navan Road Navan ON K4B 1H9	245.6	63

Site	Address	Distance (m)	Map Key
	6173 Renaud Road Navan ON K4B 1H9	250.8	65

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 FST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	0.0	1
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON K4B	0.0	1

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	0.0	1
MARCEL BRAZEAU TOP SOIL	3060 NAVAN RD NAVAN ON	0.0	1

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 17 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MARCEL BRAZEAU LTD.	LOT 6, CONC. 3 OFF NAVAN ROAD C/O BOX 231 R.R.#9 GLOUCESTER ON K1G 3N5	0.0	1

Site	Address	Distance (m)	Map Key
MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	0.0	1
MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	0.0	1
MARCEL BRAZEAU LTD.	3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	0.0	1
MARCEL BRAZEAU LTD. 26-391	3060 NAVAN ROAD GLOUCESTER ON K1G 3N5	0.0	1
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	19
LAURENT LEBLANC LIMITED	3000 NAVAN ROAD GLOUCESTER ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orlean ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orleans ON	49.8	19

Site	Address	Distance (m)	Map Key
Laurent Leblanc ltd	3000 Navan road Orleans ON	49.8	19
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	19
Laurent Leblanc ltd	3000 Navan road Orleans ON K1C 7G4	49.8	19

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 4 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	90.5	30
	6126 RENAUD ROAD GLOUCESTER ON K1W 1E9	90.5	30
	2777 PAGE ROAD Orleans ON K1W 1G1	122.0	40
	231 LUCINDA CRESCENT ORLEANS ON K1W 0A1	132.2	43

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	6071 Renaud Road, Orleans ON K1C 7G4	28.4	7

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 3 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	362 Saddleridge Drive, Ottawa ON	184.5	52
	700 MORNINGSTAR WAY, OTTAWA ON	225.2	56
	6173 Renaud Road, Ottawa ON	243.9	61

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 2 SCT site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Orleans Printers Ltd.	6102 Renaud Rd Unit 1 Orleans ON K1W 1E9	42.5	15
Laurent Leblanc Ltd.	3000 Navan Rd Orléans ON K1C 7G4	49.8	19

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2019 has found that there are 6 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	3060 Navan Rd Ottawa ON	0.0	1
BUS	NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	7.6	2
Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	28.4	7
Enbridge Gas Distribution Inc.	6071 renaud Road, Orleans<UNOFFICIAL> Ottawa ON K1C 7G4	28.4	7
	Renaud Rd and Navan Rd Ottawa ON	145.2	48
Enbridge Gas Distribution Inc.	700 Morningstar Way Ottawa ON	225.2	56

WWIS - Water Well Information System

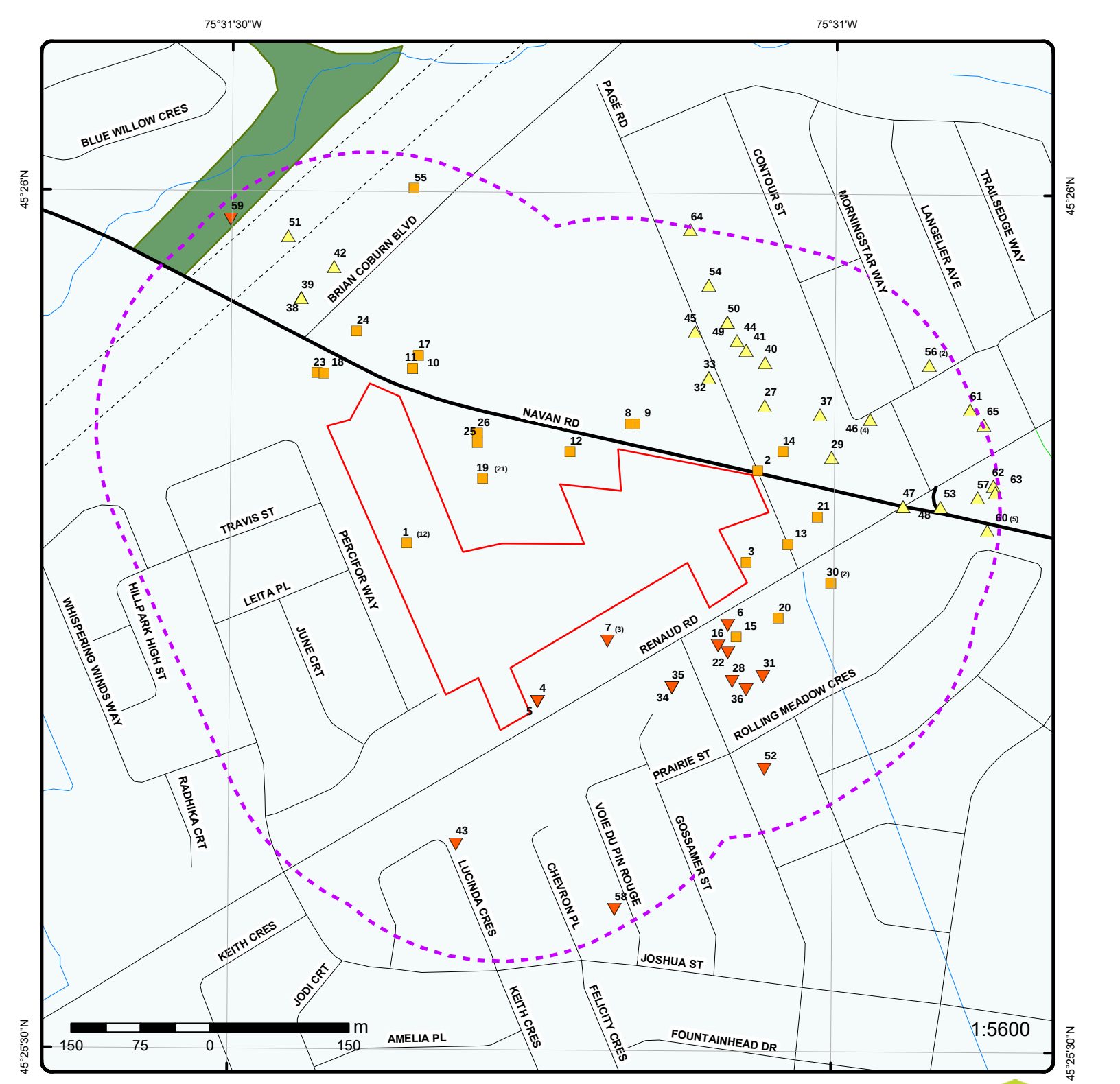
A search of the WWIS database, dated Feb 28, 2019 has found that there are 31 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 6 con 3 ON ***Well ID:*** 1501420	0.0	1
	lot 6 con 3 ON ***Well ID:*** 1510706	9.0	3
	lot 6 con 3 ON ***Well ID:*** 1501421	12.1	4
	OTTAWA ON	27.4	6

Site	Address	Distance (m)	Map Key
	Well ID: 7300714		
	lot 6 con 3 ON ***Well ID:*** 1501429	29.1	8
	lot 6 con 3 ON ***Well ID:*** 1511098	30.0	9
	lot 6 con 3 ON ***Well ID:*** 1510906	33.5	10
	lot 6 con 3 ON ***Well ID:*** 1501427	40.3	13
	lot 5 con 3 ON ***Well ID:*** 1501415	42.1	14
	lot 6 con 4 ON ***Well ID:*** 1501529	42.8	16
	lot 6 con 3 GLOUCESTER ON ***Well ID:*** 7163106	48.8	17
	lot 6 con 3 NAVAN ON ***Well ID:*** 7279124	48.8	18
	lot 6 con 4 ON ***Well ID:*** 1501528	51.3	20
	lot 6 con 2 ON ***Well ID:*** 1511923	59.2	25
	lot 6 con 3 ON ***Well ID:*** 1501531	63.0	26

Site	Address	Distance (m)	Map Key
	lot 5 con 3 ON ***Well ID:*** 1510713	76.4	27
	OTTAWA ON ***Well ID:*** 7300715	83.5	28
	OTTAWA ON ***Well ID:*** 7300645	94.2	31
	lot 6 con 3 ON ***Well ID:*** 1510718	94.4	32
	lot 6 con 4 ON ***Well ID:*** 1501530	95.7	35
	lot 6 con 4 OTTAWA ON ***Well ID:*** 7300644	97.2	36
	lot 5 con 3 ON ***Well ID:*** 1511515	131.4	41
	ON ***Well ID:*** 7292790	131.7	42
	lot 5 con 3 ON ***Well ID:*** 1511514	139.4	44
	lot 6 con 3 ON ***Well ID:*** 1501453	140.6	45
	lot 5 con 3 ON ***Well ID:*** 1510712	157.1	49
	lot 5 con 4 ON	185.6	53

Site	Address	Distance (m)	Map Key
	Well ID: 1509638		
	lot 5 con 3 ON	192.5	54
	Well ID: 1501412		
	lot 5 con 4 ON	226.1	57
	Well ID: 1501527		
	Ottawa ON	244.4	62
	Well ID: 7220992		
	lot 5 con 3 ON	247.6	64
	Well ID: 1511711		



Map : 0.25 Kilometer Radius

Order Number: 20200508091

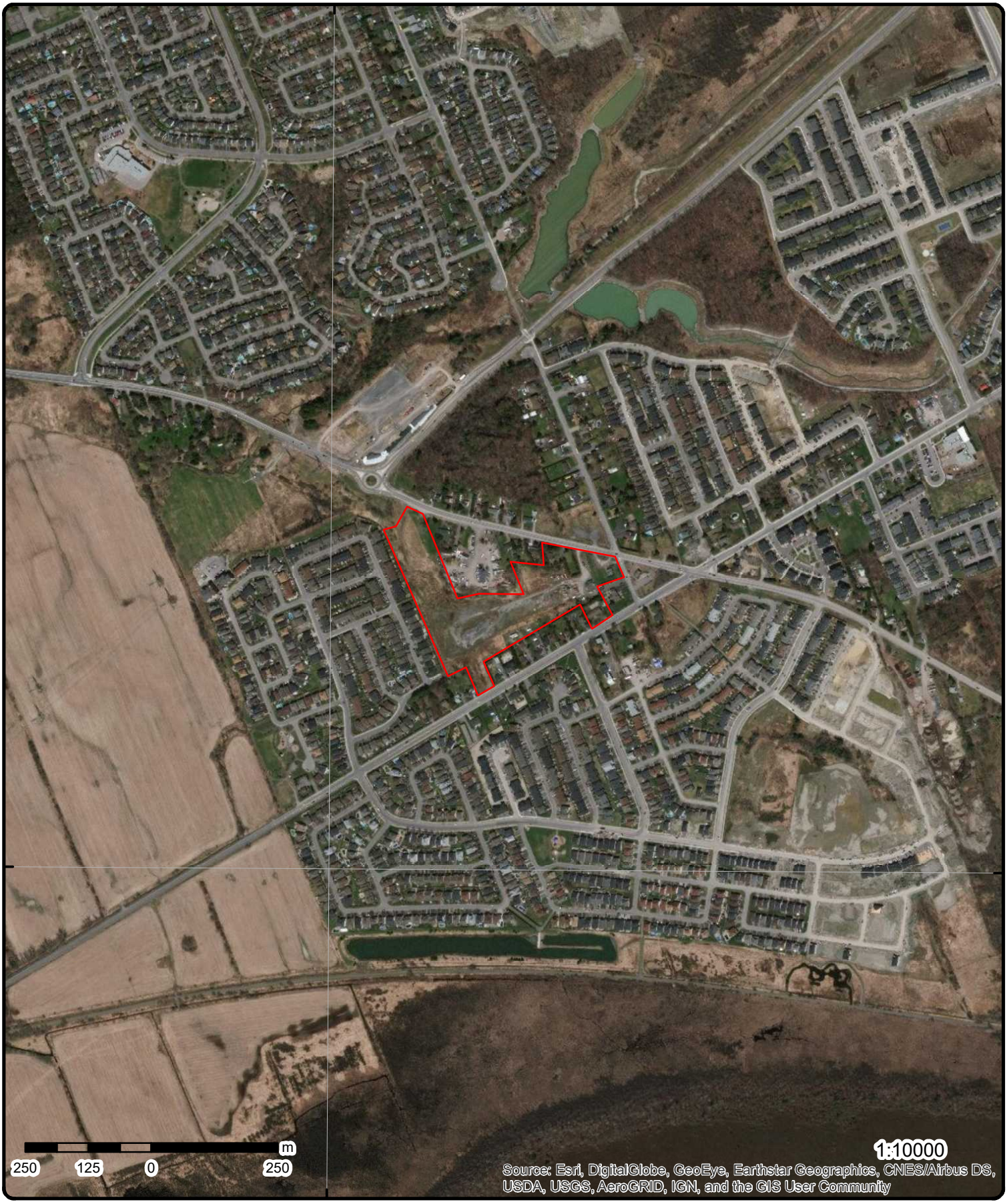
Address: Navan and Renaud Road, Ottawa, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

75°31'30"W

45°25'30"N



45°25'30"N

Aerial

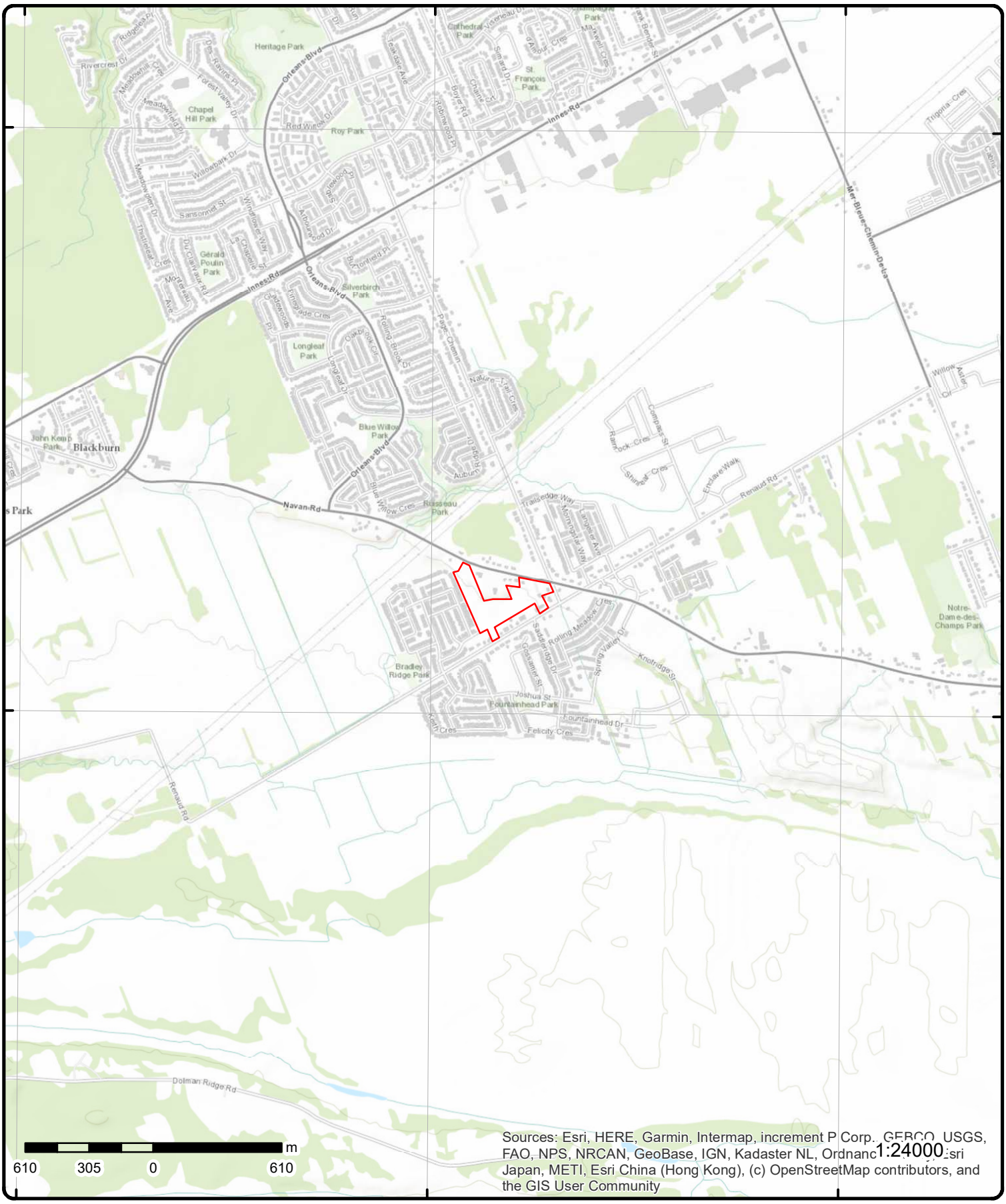
Year: 2019

Order Number: 20200508091

Address: Navan and Renaud Road, Ottawa, ON

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES



Topographic Map

Address: Navan and Renaud Road, ON

Source: ESRI World Topographic Map

Order Number: 20200508091

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 12	E/0.0	79.9 / 0.00	lot 6 con 3 ON	WWIS

Well ID:	1501420	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/6/1960
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1802
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023463	**Elevation:**	78.547744
DP2BR:	95	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459480.8
Code OB Desc:	Bedrock	**North83:**	5030797
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/9/1960	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991788
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Other Materials:	MEDIUM SAND

Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 52
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930991787
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 52
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930991789
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 95
Formation End Depth: 125
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10572033
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039807
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	100
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039808
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	125
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501420
Pump Set At:	
Static Level:	9
Final Level After Pumping:	40
Recommended Pump Depth:	60
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
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:	N

Water Details

Water ID:	933454127
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	120
Water Found Depth UOM:	ft

1	***2 of 12***	***ESE/0.0***	***79.9 / 0.00***	***MARCEL BRAZEAU LTD.*** ***LOT 6, CONC. 3 OFF NAVAN ROAD C/O BOX 231*** ***R.R.#9*** ***GLOUCESTER ON K1G 3N5***	***GEN***

Generator No:	ON1212200	**PO Box No:**	
Status:		**Country:**	
Approval Years:	89	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:	4564		
SIC Description:	BULK DRY TRUCKING		

Detail(s)

Waste Class:	221

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

Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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1 | 3 of 12 | W/0.0 | 79.9 / 0.00 | MARCEL BRAZEAU LTD. 26-391
3060 NAVAN ROAD
GLOUCESTER ON K1G 3N5 | GEN

Generator No: ON1212200
Status:
Approval Years: 92,93,94,95,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 4564
SIC Description: BULK DRY TRUCKING

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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1 | 4 of 12 | W/0.0 | 79.9 / 0.00 | MARCEL BRAZEAU LTD.
3060 NAVAN ROAD
GLOUCESTER ON K1G 3N5 | GEN

Generator No: ON1212200
Status:
Approval Years: 99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 4564
SIC Description: BULK DRY TRUCKING

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

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1 | 5 of 12 | W/0.0 | 79.9 / 0.00 | MARCEL BRAZEAU TOP SOIL
3060 NAVAN RD
NAVAN ON | FSTH

License Issue Date: 10/1/2001
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

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

--Details--
Status: Active
Year of Installation: 2001
Corrosion Protection:
Capacity: 9280
Tank Fuel Type: Liquid Fuel Single Wall AST - Gasoline

Status: Active
Year of Installation: 2001
Corrosion Protection:
Capacity: 1345
Tank Fuel Type: Liquid Fuel Single Wall AST - Gasoline

1	***6 of 12***	***W/0.0***	***79.9 / 0.00***	***MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON***	***FSTH***

License Issue Date: 10/1/2001
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 2001
Corrosion Protection:
Capacity: 9280
Tank Fuel Type: Liquid Fuel Single Wall AST - Gasoline

Status: Active
Year of Installation: 2001
Corrosion Protection:
Capacity: 1345
Tank Fuel Type: Liquid Fuel Single Wall AST - Gasoline

1	***7 of 12***	***E/0.0***	***79.9 / 0.00***	***ON***	***BORE***

Borehole ID:	615087	***Inclin FLG:***	No
OGF ID:	215516029	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	9.5	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.430378
Total Depth m:	-999	***Longitude DD:***	-75.517868
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	459491
Drill Method:		***Northing:***	5030892
Orig Ground Elev m:	79.2	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	79.8		
Concession:			
Location D:			
Survey D:			
Comments:			

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

Borehole Geology Stratum

Geology Stratum ID:	218400374	***Mat Consistency:***	
Top Depth:	29	***Material Moisture:***	
Bottom Depth:		***Material Texture:***	
Material Color:	Red	***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:	Shale	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: BEDROCK. 00062HERED. 000100140008910030RED. 000050040003005401901000 020 00065 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218400372	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	17.7	***Material Texture:***	
Material Color:		***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.

Geology Stratum ID:	218400373	***Mat Consistency:***	
Top Depth:	17.7	***Material Moisture:***	
Bottom Depth:	29	***Material Texture:***	
Material Color:		***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. WATER STABLE AT 228.9 FEET.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:	M	***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 075950 NTS_Sheet: 31G05H
Confiden 1: Reliable information but incomplete.

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		

Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	*8 of 12*	*W/0.0*	*79.9 / 0.00*	***MARCEL BRAZEAU LTD.*** ***3060 NAVAN ROAD*** ***GLOUCESTER ON K1W 1E9***	***GEN***

Generator No:	ON1212200	***PO Box No:***	
Status:		***Country:***	
Approval Years:	2009	***Choice of Contact:***	

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

Contam. Facility:
MHSW Facility:
SIC Code: 561730
SIC Description: Landscaping Services

Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	9 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU LTD. 3060 NAVAN ROAD GLOUCESTER ON K1W 1E9	GEN

Generator No: ON1212200
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 561730
SIC Description: Landscaping Services

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	10 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON K4B	FST

Instance No: 11649401
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 9280
Tank Material: Steel
Corrosion Protection: Coating
Tank Type: Single Wall Horizontal AST
Install Year: 2001
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Type: FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	11 of 12	W/0.0	79.9 / 0.00	MARCEL BRAZEAU TOP SOIL 3060 NAVAN RD NAVAN ON K4B	FST

Instance No: 11649418
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 1345
Tank Material: Steel
Corrosion Protection: Coating
Tank Type: Single Wall Horizontal AST
Install Year: 2001
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve
Facility Type: FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	12 of 12	W/0.0	79.9 / 0.00	Enbridge Gas Distribution Inc. 3060 Navan Rd Ottawa ON	SPL

Ref No: 2256-ARRND6
Site No: NA
Incident Dt: 10/2/2017
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1075
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Air
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/2/2017
Dt Document Closed:
Incident Reason: Operator/Human Error
Site Name: Site of line strike<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA FSB; 1" pl, IP, residential line dmgd; made safe
Contaminant Qty: 0 other - see incident description

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Corporation
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: 3060 Navan Rd
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing: 5030941.21
Easting: 459389.33
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Source Type: Valve/Fitting/Piping

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ENE/7.6	79.9 / 0.00	BUS NAVAN VILLAGE, NAVAN RD & PAGE RD. MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	SPL

Ref No: 123268
Site No:
Incident Dt: 2/2/1996
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:

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

Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	NOT ANTICIPATED	**Site Municipality:**	20601
Nature of Impact:		**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	GLOUCESTER WORKS DEPT
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2/2/1996	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	EQUIPMENT FAILURE	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC TRANSPORTATION BUS- 5 LITRE HYDRAULIC OIL TO ROAD. WORKS CLEANING.		
Contaminant Qty:			

3	1 of 1	E/9.0	79.9 / 0.00	lot 6 con 3 ON	WWIS

Well ID:	1510706	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/30/1970
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10032726	**Elevation:**	79.261154
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459490.8
Code OB Desc:	Bedrock	**North83:**	5030822
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	3/14/1969	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931015625
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015626
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	103
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015624
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	3
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10581296

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930058020
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 103
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510706
Pump Set At:
Static Level: 18
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: N

Water Details

Water ID: 933465742
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 103
Water Found Depth UOM: ft

---

4 | **1 of 1** | **S/12.1** | **77.9 / -2.00** | **lot 6 con 3 ON** | **WWIS**

Well ID: 1501421
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:

Data Entry Status:
Data Src: 1
Date Received: 5/25/1961
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession: 03
Concession Name: OF

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10023464	***Elevation:***	75.335517
DP2BR:	100	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459265.8
Code OB Desc:	Bedrock	***North83:***	5030672
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	1/7/1961	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991791
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	116
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991790
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	100
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:

Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10572034
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039809
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 110
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930039810
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 116
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501421
Pump Set At:
Static Level: 21
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 6
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933454128
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 116
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
5	1 of 1	S/12.2	77.9 / -2.00	ON	BORE

Borehole ID:	615081	**Inclin FLG:**	No
OGF ID:	215516023	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JAN-1961	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.428385
Total Depth m:	35.4	**Longitude DD:**	-75.520727
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	459266
Drill Method:		**Northing:**	5030672
Orig Ground Elev m:	76.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	75.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400353	**Mat Consistency:**	
Top Depth:	30.5	**Material Moisture:**	
Bottom Depth:	35.4	**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. 00116. BEDROCK. 00035 010 WEATHERED. 0001001400089100 30RED. 00 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218400352	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	30.5	**Material Texture:**	
Material Color:		**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.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07589 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

6 **1 of 1** **ESE/27.4** **79.8 / -0.05** **OTTAWA ON** **WWIS**

Well ID:	7300714	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	12/5/2017
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z263680	**Owner:**	
Tag:	A189878	**Street Name:**	6102 RENARD ST
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006862421	**Elevation:**	77.790771
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	459471
Code OB Desc:		**North83:**	5030754
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/2/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007045529
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD

Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007045531
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	5
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007045530
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1
Formation End Depth:	5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007045539
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007045541
Layer:	3
Plug From:	4
Plug To:	12
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007045540
Layer:	2
Plug From:	1

Plug To: 4
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1007045528
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007045534
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 5
Casing Diameter: 1.38
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007045535
Layer: 1
Slot: 10
Screen Top Depth: 5
Screen End Depth: 12
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.66

Hole Diameter

Hole ID: 1007045532
Diameter:
Depth From: 0
Depth To: 12
Hole Depth UOM: ft
Hole Diameter UOM: inch

7	*1 of 3*	*SE/28.4*	*77.9 / -1.97*	***Enbridge Gas Distribution Inc.*** ***6071 renaud Road, Orleans<UNOFFICIAL>*** ***Ottawa ON K1C 7G4***	***SPL***

Ref No: 3767-86WMPR
Site No:
Incident Dt:
Year:
Incident Cause:
Incident Event:
Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:

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

Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Possible	**Site Municipality:**	
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Referral to others	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/30/2010	**Site Map Datum:**	
Dt Document Closed:	7/12/2010	**SAC Action Class:**	TSSA - Fuel Safety Branch
Incident Reason:		**Source Type:**	
Site Name:	6071 renaud Road, Orleans<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Pipeline stke, 4 inch plstic main, EG to make safe		
Contaminant Qty:			

7	2 of 3	SE/28.4	77.9 / -1.97	**Enbridge Gas Distribution Inc.** **6071 renaud Road, Orleans<UNOFFICIAL>** **Ottawa ON K1C 7G4**	SPL

Ref No:	3767-86WMPR	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Possible	**Site Municipality:**	
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Referral to others	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	6/30/2010	**Site Map Datum:**	
Dt Document Closed:	7/12/2010	**SAC Action Class:**	TSSA - Fuel Safety Branch
Incident Reason:		**Source Type:**	
Site Name:	6071 renaud Road, Orleans<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Pipeline stke, 4 inch plstic main, EG to make safe		
Contaminant Qty:			

7	3 of 3	SE/28.4	77.9 / -1.97	**6071 Renaud Road, Orleans** **ON K1C 7G4**	INC

Incident No:	416666
Incident ID:	2568366
Attribute Category:	FS-Incident
Status Code:	Causal Analysis Complete
Incident Location:	6071 Renaud Road, Orleans - 4" Pipeline Hit
Drainage System:	
Sub Surface Contam.:	
Aff. Prop. Use Water:	
Contam. Migrated:	

Contact Natural Env.:	
Near Body of Water:	
Approx. Quant. Rel.:	
Equipment Model:	
Serial No:	
Residential App. Type:	
Commercial App. Type:	
Industrial App. Type:	
Institutional App. Type:	
Venting Type:	
Vent Connector Mater:	
Vent Chimney Mater:	
Pipeline Type:	Main Distribution Pipeline
Pipeline Involved:	
Pipe Material:	Plastic
Depth Ground Cover:	.7m
Regulator Location:	
Regulator Type:	
Operation Pressure:	IP
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	
Fuel Type Involved:	
Date of Occurence:	
Time of Occurence:	
Occur Insp Start Date:	
Any Health Impact:	
Any Environmental Impact:	
Was Service Interrupted:	
Was Property Damaged:	
Operation Type Involved:	
Enforcement Policy:	
Prc Escalation Required:	
Task No:	
Notes:	
Occurence Narrative:	4" line not identified on middle locate, excavation companies failed to call to clarify locate upon finding in active 2" line and dug without markings
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

8	1 of 1	NE/29.1	79.9 / 0.00	lot 6 con 3 ON	WWIS

Well ID:	1501429	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/7/1962
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	

Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023472	***Elevation:***	80.868606
DP2BR:	90	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459365.8
Code OB Desc:	Bedrock	***North83:***	5030972
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/16/1962	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991807
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991810
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	95
Formation End Depth:	107
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930991809
Layer:	3
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	90
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991808
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572042
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039826
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	107
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039825
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	97
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501429
Pump Set At:	
Static Level:	20
Final Level After Pumping:	30
Recommended Pump Depth:	30
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933454136
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	107
Water Found Depth UOM:	ft

9 | ***1 of 1*** | ***NE/30.0*** | ***79.9 / 0.00*** | ***lot 6 con 3 ON*** | ***WWIS***

Well ID:	1511098	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/26/1971
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10033095	***Elevation:***	80.817977
DP2BR:	100	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459370.8
Code OB Desc:	Bedrock	***North83:***	5030972
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	9/12/1970	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931016668
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016669
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	106
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10581665
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930058720
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 106
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058719
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 104
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511098
Pump Set At:
Static Level: 32
Final Level After Pumping: 50
Recommended Pump Depth: 60
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: N

Draw Down & Recovery

Pump Test Detail ID: 934642782
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097636
Test Type: Draw Down
Test Duration: 15
Test Level: 45

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899706
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380649
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933466165
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 106
Water Found Depth UOM: ft

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10 | **1 of 1** | **NW/33.5** | **79.9 / 0.00** | **lot 6 con 3 ON** | **WWIS**

Well ID: 1510906
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 11/4/1970
Selected Flag: Yes
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032909
DP2BR: 118
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/29/1970
Remarks:

Elevation: 84.741081
Elevrc:
Zone: 18
East83: 459130.8
North83: 5031032
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931016149
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 105
Formation End Depth: 118
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016147
Layer: 1
Color: 7
General Color: RED
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016150
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 118
Formation End Depth: 156
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016148

Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 105
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10581479
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930058364
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 156
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058363
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 118
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510906
Pump Set At:
Static Level: 47
Final Level After Pumping: 51
Recommended Pump Depth: 70
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 7

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:	N

Draw Down & Recovery

Pump Test Detail ID:	934097460
Test Type:	Recovery
Test Duration:	15
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642189
Test Type:	Recovery
Test Duration:	45
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934381168
Test Type:	Recovery
Test Duration:	30
Test Level:	47
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899113
Test Type:	Recovery
Test Duration:	60
Test Level:	47
Test Level UOM:	ft

Water Details

Water ID:	933465954
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	150
Water Found Depth UOM:	ft

11	***1 of 1***	***NW/33.7***	***79.9 / 0.00***	***ON***	***BORE***

Borehole ID:	615097	**Inclin FLG:**	No
OGF ID:	215516039	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	SEP-1970	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	

Sec. Water Use:		***Latitude DD:***	45.431618
Total Depth m:	47.5	***Longitude DD:***	-75.522482
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	459131
Drill Method:		***Northing:***	5031032
Orig Ground Elev m:	82.3	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	84.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400409	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	1.8	***Material Texture:***	
Material Color:	White	***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. WHITE.		

Geology Stratum ID:	218400410	***Mat Consistency:***	
Top Depth:	1.8	***Material Moisture:***	
Bottom Depth:	32	***Material Texture:***	
Material Color:	Grey	***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. GREY.		

Geology Stratum ID:	218400411	***Mat Consistency:***	
Top Depth:	32	***Material Moisture:***	
Bottom Depth:	36	***Material Texture:***	
Material Color:		***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.		

Geology Stratum ID:	218400412	***Mat Consistency:***	
Top Depth:	36	***Material Moisture:***	
Bottom Depth:	47.5	***Material Texture:***	
Material Color:	Black	***Non Geo Mat Type:***	
Material 1:	Shale	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	SHALE. BLACK. 00150. CLAY. BROWN,GREY. SAND. UNSPECIFIED. 4000300540190100 020 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1

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

Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07605 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

12	*1 of 1*	*NNE/36.2*	*79.9 / 0.00*	*ON*	***BORE***

Borehole ID:	615088	**Inclin FLG:**	No
OGF ID:	215516030	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	18.3	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.430817
Total Depth m:	-999	**Longitude DD:**	-75.520302
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	459301
Drill Method:		**Northing:**	5030942
Orig Ground Elev m:	83.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	81.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400376	**Mat Consistency:**	
Top Depth:	1.8	**Material Moisture:**	
Bottom Depth:	36.6	**Material Texture:**	
Material Color:		**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.		

Geology Stratum ID:	218400375	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.8	**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:	218400377	**Mat Consistency:**	
Top Depth:	36.6	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Red	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. WATER STABLE AT 215.0 FEET.00062HERED. 000100140008910030RED. 0000500400 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 075960 NTS_Sheet: 31G05H		
Confiden 1:	Reliable information but incomplete.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

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13 | ***1 of 1*** | ***E/40.3*** | ***79.9 / 0.00*** | ***lot 6 con 3 ON*** | ***WWIS***

Well ID:	1501427	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/5/1962
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023470	**Elevation:**	80.364089
DP2BR:	90	**Elevrc:**	
Spatial Status:		**Zone:**	18

Code OB:	r	**East83:**	459535.8
Code OB Desc:	Bedrock	**North83:**	5030842
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	8/18/1962	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991802
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991803
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	90
Formation End Depth:	97
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572040
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039822
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	97
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039821
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	95
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501427
Pump Set At:	
Static Level:	15
Final Level After Pumping:	40
Recommended Pump Depth:	40
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
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:	N

Water Details

Water ID:	933454134
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	97
Water Found Depth UOM:	ft

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14 ***1 of 1*** ***ENE/42.1*** ***79.9 / 0.00*** ***lot 5 con 3 ON*** ***WWIS***

Well ID:	1501415	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/5/1962
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1

Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	005
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023458	**Elevation:**	80.617538
DP2BR:	92	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459530.8
Code OB Desc:	Bedrock	**North83:**	5030942
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	8/16/1962	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991775
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991777
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	92

Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991776
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	92
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572028
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039800
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	98
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039801
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	110
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501415
Pump Set At:	
Static Level:	21
Final Level After Pumping:	60
Recommended Pump Depth:	60
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	12
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933454122
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	110
Water Found Depth UOM:	ft

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15 | ***1 of 1*** | ***ESE/42.5*** | ***79.9 / 0.00*** | ***Orleans Printers Ltd.***
6102 Renaud Rd Unit 1
Orleans ON K1W 1E9 | ***SCT***

Established:	1986
Plant Size (ft²):	2000
Employment:	4

--Details--

Description:	Quick Printing
SIC/NAICS Code:	323114
Description:	Digital Printing
SIC/NAICS Code:	323115
Description:	Other Printing
SIC/NAICS Code:	323119
Description:	Support Activities for Printing
SIC/NAICS Code:	323120

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16 | ***1 of 1*** | ***ESE/42.8*** | ***79.8 / -0.05*** | ***lot 6 con 4***
ON | ***WWIS***

Well ID:	1501529	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/30/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	

Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023572	***Elevation:***	77.348266
DP2BR:	92	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459460.8
Code OB Desc:	Bedrock	***North83:***	5030732
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/1/1965	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930992081
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	92
Formation End Depth:	107
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992080
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	92
Formation End Depth UOM:	ft

Method of Construction & Well

Use

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

Pipe Information

Pipe ID: 10572142
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930040004
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 107
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930040003
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 95
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501529
Pump Set At:
Static Level: 20
Final Level After Pumping: 25
Recommended Pump Depth: 30
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 6
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: 30
Flowing: N

Water Details

Water ID: 933454239
Layer: 1
Kind Code: 1

Kind:	FRESH
Water Found Depth:	107
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	NW/48.8	79.9 / 0.00	lot 6 con 3 GLOUCESTER ON	WWIS

Well ID:	7163106	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	5/13/2011
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	6006
Casing Material:		**Form Version:**	7
Audit No:	Z125162	**Owner:**	
Tag:	A110564	**Street Name:**	2968 NAVAW RD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1003509275	**Elevation:**	84.38005
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	459137
Code OB Desc:		**North83:**	5031046
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	4/14/2011	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003821859
Layer:	4
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	14.55
Formation End Depth:	28.18
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003821860
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	05
Other Materials:	CLAY
Mat3:	17
Other Materials:	SHALE
Formation Top Depth:	28.18
Formation End Depth:	34.55
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003821861
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	34.55
Formation End Depth:	36.36
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003821857
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1.52
Formation End Depth:	5.15
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003821858
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	

Mat3: 85
Other Materials: SOFT
Formation Top Depth: 5.15
Formation End Depth: 14.55
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003821856
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 0
Formation End Depth: 1.52
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003821889
Layer: 1
Plug From: 0
Plug To: 6.06
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 1003821854
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003821865
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.5
Depth To: 34.55
Casing Diameter: 15.55
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID:	1003821866
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003821855
Pump Set At:	33.33
Static Level:	10.8
Final Level After Pumping:	11.73
Recommended Pump Depth:	33.33
Pumping Rate:	45
Flowing Rate:	
Recommended Pump Rate:	45
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1003821870
Test Type:	Recovery
Test Duration:	2
Test Level:	11
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003821871
Test Type:	Draw Down
Test Duration:	3
Test Level:	11.54
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003821872
Test Type:	Recovery
Test Duration:	3
Test Level:	10.98
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1003821884
Test Type:	Draw Down
Test Duration:	50
Test Level:	11.73
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1003821885
Test Type: Draw Down
Test Duration: 60
Test Level: 11.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821874
Test Type: Recovery
Test Duration: 4
Test Level: 10.96
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821873
Test Type: Draw Down
Test Duration: 4
Test Level: 11.56
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821880
Test Type: Draw Down
Test Duration: 20
Test Level: 11.66
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821883
Test Type: Draw Down
Test Duration: 40
Test Level: 11.72
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821867
Test Type: Draw Down
Test Duration: 1
Test Level: 11.44
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821876
Test Type: Recovery
Test Duration: 5
Test Level: 10.94
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821875
Test Type: Draw Down

Test Duration: 5
Test Level: 11.57
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821881
Test Type: Draw Down
Test Duration: 25
Test Level: 11.67
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821868
Test Type: Recovery
Test Duration: 1
Test Level: 11.03
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821877
Test Type: Draw Down
Test Duration: 10
Test Level: 11.62
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821882
Test Type: Draw Down
Test Duration: 30
Test Level: 11.71
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821869
Test Type: Draw Down
Test Duration: 2
Test Level: 11.52
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821878
Test Type: Recovery
Test Duration: 10
Test Level: 10.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1003821879
Test Type: Draw Down
Test Duration: 15
Test Level: 11.64
Test Level UOM: m

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

Water Details

Water ID:	1003821864
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	34.55
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003821862
Diameter:	15.55
Depth From:	0
Depth To:	34.55
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1003821863
Diameter:	15.55
Depth From:	34.55
Depth To:	36.36
Hole Depth UOM:	m
Hole Diameter UOM:	cm

18	***1 of 1***	***WNW/48.8***	***79.9 / 0.00***	***lot 6 con 3 NAVAN ON***	***WWIS***

Well ID:	7279124	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Not Used	***Date Received:***	1/17/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	7260
Casing Material:		***Form Version:***	7
Audit No:	Z250023	***Owner:***	
Tag:		***Street Name:***	2968 + 2973 NAVAN RD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006335548	***Elevation:***	83.957611
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	459035
Code OB Desc:		***North83:***	5031027
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	12/9/2016	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Pipe Information

Pipe ID: 1006516836
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006516840
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006516841
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Hole Diameter

Hole ID: 1006516838
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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19 | ***1 of 21*** | ***NW/49.8*** | ***79.9 / 0.00*** | ***LAURENT LEBLANC LIMITED***
3000 NAVAN ROAD
GLOUCESTER ON K1C 7G4 | ***GEN***

Generator No: ON1875101
Status:
Approval Years: 94,95,96,97,98,99,00,01,02,03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 4214
SIC Description: EXCAVAT. & GRADING

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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19 | **2 of 21** | **NW/49.8** | **79.9 / 0.00** | **3000 Navan Road, Ottawa ON K1C 7G4** | **EHS**

Order No: 20090521002
Status: C
Report Type: Custom Report
Report Date: 5/27/2009
Date Received: 5/21/2009
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Sire Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.521004
Y: 45.430149

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19 | **3 of 21** | **NW/49.8** | **79.9 / 0.00** | **Laurent Leblanc ltd, 3000 Navan road, Orlean ON K1C 7G4** | **GEN**

Generator No: ON4141965
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code: 238110
SIC Description: Poured Concrete Foundation and Structure Contractors

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

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19 | **4 of 21** | **NW/49.8** | **79.9 / 0.00** | **Andre Leblanc Cartage Ltd., 3000 Navan Road, Gloucester ON K1C 7G4** | **CA**

Certificate #: 5555-4GHMJJ
Application Year: 2000
Issue Date: 11/3/2000
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	5 of 21	NW/49.8	79.9 / 0.00	Andre Joseph Jean Leblanc 3000 Navan Road Gloucester ON K1C 7G4	CA

Certificate #: 5555-4GHMJJ
Application Year: 2000
Issue Date: 2/15/2000
Approval Type: Waste Management Systems
Status: Amended
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	6 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc Limited 3000 Navan Road Gloucester ON K1C 7G4	CA

Certificate #: 8685-4V7V2D
Application Year: 2001
Issue Date: 4/9/2001
Approval Type: Waste Management Systems
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	7 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc Ltd. 3000 Navan Rd Orléans ON K1C 7G4	SCT

Established: 01-SEP-59
Plant Size (ft²):
Employment:

--Details--
Description: General-Line Building Supplies Wholesaler-Distributors
SIC/NAICS Code: 416310

Description: Construction, Transportation, Mining, and Forestry Machinery and Equipment Rental and Leasing
SIC/NAICS Code: 532410

Description: Site Preparation Contractors
SIC/NAICS Code: 238910

Description: Site Preparation Contractors
SIC/NAICS Code: 238910

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	8 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN

Generator No: ON4141965
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 238110
SIC Description: Poured Concrete Foundation and Structure Contractors

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	9 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN

Generator No: ON4141965
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 238110
SIC Description: Poured Concrete Foundation and Structure Contractors

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	10 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orlean ON K1C 7G4	GEN

Generator No: ON4141965
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 238110
SIC Description: Poured Concrete Foundation and Structure Contractors

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	11 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON	GEN

Generator No: ON4141965
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 238110
SIC Description: Poured Concrete Foundation and Structure Contractors

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	12 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON	GEN

Generator No: ON4141965
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 238110
SIC Description: POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	13 of 21	NW/49.8	79.9 / 0.00	Andre Joseph Jean Leblanc 3000 Navan Road Gloucester ON K1C 7G4	ECA

Approval No: 5555-4GHMJJ
Approval Date: 2000-02-15
Status: Amended
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-WASTE MANAGEMENT SYSTEMS
Project Type: WASTE MANAGEMENT SYSTEMS
Address: 3000 Navan Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0152-4GAMXP-14.pdf

MOE District: Ottawa
City:
Longitude: -75.52158
Latitude: 45.43063
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	14 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc Limited 3000 Navan Road	ECA

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

Gloucester ON K1C 7G4

Approval No:	8685-4V7V2D	***MOE District:***	Ottawa
Approval Date:	2001-04-09	***City:***	
Status:	Approved	***Longitude:***	-75.52158
Record Type:	ECA	***Latitude:***	45.43063
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Rideau Valley	***Geometry Y:***	
Approval Type:	ECA-WASTE MANAGEMENT SYSTEMS		
Project Type:	WASTE MANAGEMENT SYSTEMS		
Address:	3000 Navan Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7512-4U8QFA-14.pdf		

19	***15 of 21***	***NW/49.8***	***79.9 / 0.00***	***Andre Leblanc Cartage Ltd.*** ***3000 Navan Road*** ***Gloucester ON K1C 7G4***	***ECA***

Approval No:	5555-4GHMJJ	***MOE District:***	Ottawa
Approval Date:	2000-11-03	***City:***	
Status:	Approved	***Longitude:***	-75.52158
Record Type:	ECA	***Latitude:***	45.43063
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Rideau Valley	***Geometry Y:***	
Approval Type:	ECA-WASTE MANAGEMENT SYSTEMS		
Project Type:	WASTE MANAGEMENT SYSTEMS		
Address:	3000 Navan Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5844-4QFQGE-14.pdf		

19	***16 of 21***	***NW/49.8***	***79.9 / 0.00***	***Laurent Leblanc ltd*** ***3000 Navan road*** ***Orleans ON K1C 7G4***	***GEN***

Generator No:	ON4141965	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2015	***Choice of Contact:***	CO_OFFICIAL
Contam. Facility:	No	***Co Admin:***	
MHSW Facility:	No	***Phone No Admin:***	
SIC Code:	238110		
SIC Description:	POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS		

Detail(s)

Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	221
Waste Class Desc:	LIGHT FUELS

19	***17 of 21***	***NW/49.8***	***79.9 / 0.00***	***Laurent Leblanc ltd*** ***3000 Navan road*** ***Orleans ON K1C 7G4***	***GEN***

Generator No:	ON4141965	***PO Box No:***	
Status:		***Country:***	Canada
Approval Years:	2016	***Choice of Contact:***	CO_OFFICIAL

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

Contam. Facility: No
MHSW Facility: No
SIC Code: 238110
SIC Description: POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Desc: LIGHT FUELS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

19	18 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN

Generator No: ON4141965
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 238110
SIC Description: POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS
PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 221
Waste Class Desc: LIGHT FUELS

19	19 of 21	NW/49.8	79.9 / 0.00	Laurent Leblanc ltd 3000 Navan road Orleans ON K1C 7G4	GEN

Generator No: ON4141965
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 213 T
Waste Class Desc: Petroleum distillates

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 222 L
Waste Class Desc: Heavy fuels

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

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19 | ***20 of 21*** | ***NW/49.8*** | ***79.9 / 0.00*** | ***2561678 ONTARIO INC.***
3000 NAVAN RD
ORLEANS ON K1C 7G4 | ***EASR***

Approval No: R-004-5110517687
Status: REGISTERED
Date: 2018-07-04
Record Type: EASR
Link Source: MOFA
Project Type: Waste Management System
Full Address:
Approval Type: EASR-Waste Management System
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2073460

SWP Area Name: Rideau Valley
MOE District: Ottawa
Municipality: ORLEANS
Latitude: 45.43055556
Longitude: -75.52166667
Geometry X:
Geometry Y:

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19 | ***21 of 21*** | ***NW/49.8*** | ***79.9 / 0.00*** | ***Laurent Leblanc ltd***
3000 Navan road
Orleans ON K1C 7G4 | ***GEN***

Generator No: ON4141965
Status: Registered
Approval Years: As of Oct 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221 I
Waste Class Desc: Light fuels

Waste Class: 252 L
Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 213 I
Waste Class Desc: Petroleum distillates

Waste Class: 213 T
Waste Class Desc: Petroleum distillates

Waste Class: 222 L
Waste Class Desc: Heavy fuels

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20 | ***1 of 1*** | ***E/51.3*** | ***79.9 / 0.00*** | ***lot 6 con 4***
ON | ***WWIS***

Well ID: 1501528
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 7/6/1964
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON

Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023571	***Elevation:***	77.499908
DP2BR:	84	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459525.8
Code OB Desc:	Bedrock	***North83:***	5030762
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	6/4/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930992079
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	84
Formation End Depth:	106
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992077
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992078
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	80
Formation End Depth:	84
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572141
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930040001
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	89
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930040002
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	106
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501528
Pump Set At:	
Static Level:	12

Final Level After Pumping:	40
Recommended Pump Depth:	40
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
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:	N

Water Details

Water ID:	933454238
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	106
Water Found Depth UOM:	ft

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21 | ***1 of 1*** | ***E/52.8*** | ***79.9 / 0.00*** | ***3096 Navan Rd, Ottawa ON K1W1E9*** | ***EHS***

Order No:	20180315001	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Select Report	***Client Prov/State:***	ON
Report Date:	21-MAR-18	***Search Radius (km):***	.25
Date Received:	15-MAR-18	***X:***	-75.516883
Previous Site Name:		***Y:***	45.430195
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory; Aerial Photos		

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22 | ***1 of 1*** | ***ESE/53.0*** | ***79.1 / -0.77*** | ***6102 Renaud Rd, Ottawa ON K1W1E9*** | ***EHS***

Order No:	20170821065	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	28-AUG-17	***Search Radius (km):***	.25
Date Received:	21-AUG-17	***X:***	-75.518108
Previous Site Name:		***Y:***	45.428868
Lot/Building Size:			
Additional Info Ordered:	City Directory		

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23 | ***1 of 1*** | ***WNW/55.4*** | ***79.9 / 0.00*** | ***2968 Navan Rd, Ottawa ON K1C7G4*** | ***EHS***

Order No:	20160505010	***Nearest Intersection:***	
Status:	C	***Municipality:***	OTTAWA
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	11-MAY-16	***Search Radius (km):***	.25
Date Received:	05-MAY-16	***X:***	-75.523799
Previous Site Name:		***Y:***	45.431567
Lot/Building Size:			
Additional Info Ordered:	Title Searches; Topographic Maps; City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	1 of 1	NW/57.8	79.9 / 0.00	2973 Navan Rd Ottawa ON K1C7G4	EHS

Order No:	20161014116	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	21-OCT-16	**Search Radius (km):**	.25
Date Received:	14-OCT-16	**X:**	-75.523257
Previous Site Name:		**Y:**	45.431974
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	1 of 1	NW/59.2	79.9 / 0.00	lot 6 con 2 ON	WWIS

Well ID:	1511923	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/4/1972
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	02
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10033917	**Elevation:**	83.408554
DP2BR:	96	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459200.8
Code OB Desc:	Bedrock	**North83:**	5030952
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/8/1972	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931019097
Layer:	4
Color:	8
General Color:	BLACK
Mat1:	17

Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 96
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931019095
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 87
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931019094
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931019096
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 87
Formation End Depth: 96
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10582487
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930060224
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 120
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930060223
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511923
Pump Set At:
Static Level: 33
Final Level After Pumping: 40
Recommended Pump Depth: 60
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 5
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: N

Draw Down & Recovery

Pump Test Detail ID: 934645651
Test Type: Draw Down
Test Duration: 45
Test Level: 40

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934384496
Test Type: Draw Down
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098560
Test Type: Draw Down
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934893670
Test Type: Draw Down
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933467222
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 118
Water Found Depth UOM: ft

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26 ***1 of 1*** ***NW/63.0*** ***79.9 / 0.00*** ***lot 6 con 3 ON*** ***WWIS***

Well ID:	1501531	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/2/1967
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1802
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023574	**Elevation:**	83.557785
DP2BR:	110	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459200.8
Code OB Desc:	Bedrock	**North83:**	5030962
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/2/1966	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930992088
Layer:	3
Color:	
General Color:	
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	105
Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992086
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992087
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth: 6
Formation End Depth: 105
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930992089
Layer: 4
Color:
General Color:
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 110
Formation End Depth: 120
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10572144
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930040008
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 114
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930040009
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 120
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991501531
Pump Set At:	
Static Level:	38
Final Level After Pumping:	80
Recommended Pump Depth:	110
Pumping Rate:	17
Flowing Rate:	
Recommended Pump Rate:	5
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:	N

Water Details

Water ID:	933454241
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	115
Water Found Depth UOM:	ft

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27 | ***1 of 1*** | ***ENE/76.4*** | ***80.9 / 1.00*** | ***lot 5 con 3 ON*** | ***WWIS***

Well ID:	1510713	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/23/1971
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	005
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10032730	**Elevation:**	80.928298
DP2BR:	90	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459510.8
Code OB Desc:	Bedrock	**North83:**	5030992
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	5/18/1970	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 931015634
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015636
Layer: 3
Color: 6
General Color: BROWN
Mat1: 19
Most Common Material: SLATE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90
Formation End Depth: 99
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015635
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 90
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 7

Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10581300
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930058027
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 99
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058026
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 92
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510713
Pump Set At:
Static Level: 22
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: N

Draw Down & Recovery

Pump Test Detail ID: 934380039
Test Type: Draw Down
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934641198
Test Type:	Draw Down
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097304
Test Type:	Draw Down
Test Duration:	15
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934897984
Test Type:	Draw Down
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933465746
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	99
Water Found Depth UOM:	ft

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28 ***1 of 1*** ***ESE/83.5*** ***78.9 / -1.00*** ***OTTAWA ON*** ***WWIS***

Well ID:	7300715	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	12/5/2017
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241
Casing Material:		***Form Version:***	7
Audit No:	Z263681	***Owner:***	
Tag:	A190041	***Street Name:***	6102 RENAUD ST
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006862427	***Elevation:***	76.404884
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18

Code OB:		***East83:***	459476
Code OB Desc:		***North83:***	5030694
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/2/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007046203
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007046205
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	6
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007046204
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1
Formation End Depth:	6
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007046215
Layer:	3
Plug From:	4
Plug To:	15
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007046214
Layer:	2
Plug From:	1
Plug To:	4
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007046213
Layer:	1
Plug From:	0
Plug To:	1
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1007046202
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007046208
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1.38
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007046209
Layer:	1
Slot:	10

Screen Top Depth: 5
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.66

Hole Diameter

Hole ID: 1007046206
Diameter: 2.375
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

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29 | ***1 of 1*** | ***ENE/85.9*** | ***80.6 / 0.68*** | ***3097 and 3107 Navan Road Ottawa ON K1W1E9*** | ***EHS***

Order No: 20140717001
Status: C
Report Type: Custom Report
Report Date: 23-JUL-14
Date Received: 17-JUL-14
Previous Site Name:
Lot/Building Size: 0.9 acres
Additional Info Ordered:

Nearest Intersection:
Municipality: Gloucester
Client Prov/State: ON
Search Radius (km): .25
X: -75.516696
Y: 45.430775

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30 | ***1 of 2*** | ***E/90.5*** | ***79.9 / 0.00*** | ***6126 RENAUD ROAD GLOUCESTER ON K1W 1E9*** | ***HINC***

External File Num: FS INC 0701-00262
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 1/11/2007
Fuel Type Involved: Natural Gas
Status Desc: Complete
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: No
Property Damage: No
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause:
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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30 | ***2 of 2*** | ***E/90.5*** | ***79.9 / 0.00*** | ***6126 RENAUD ROAD GLOUCESTER ON K1W 1E9*** | ***HINC***

External File Num: FS INC 0701-00410
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 1/11/2007
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)

Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training: Yes Management:No Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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31 **1 of 1** **ESE/94.2** **79.2 / -0.69** **OTTAWA ON** **WWIS**

Well ID:	7300645	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Test Hole	**Date Received:**	12/5/2017
Sec. Water Use:	Monitoring	**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z263682	**Owner:**	
Tag:	A189877	**Street Name:**	6102 RENAUD ST
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006858422	**Elevation:**	76.455329
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	459509
Code OB Desc:		**North83:**	5030699
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/2/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 1007044327
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Other Materials: SILT
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 1
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007044328
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 6
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007044326
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 73
Other Materials: HARD
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007044337
Layer: 2
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007044338

Layer: 3
Plug From: 4
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007044336
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction: T

Pipe Information

Pipe ID: 1007044325
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007044331
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 5
Casing Diameter: 1.38
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007044332
Layer: 1
Slot: 10
Screen Top Depth: 5
Screen End Depth: 15
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.66

Hole Diameter

Hole ID: 1007044329
Diameter: 2.375
Depth From: 0
Depth To: 15
Hole Depth UOM: ft
Hole Diameter UOM: inch

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	1 of 1	NE/94.4	80.7 / 0.80	lot 6 con 3 ON	WWIS

Well ID: 1510718
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/23/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032735
DP2BR: 100
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 12/23/1970
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 82.146499
Elevrc:
Zone: 18
East83: 459450.8
North83: 5031022
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931015646
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931015645
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	01
Other Materials:	FILL
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015647
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	108
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10581305
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058036
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	102
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058037

Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	108
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510718
Pump Set At:	
Static Level:	33
Final Level After Pumping:	36
Recommended Pump Depth:	50
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934641203
Test Type:	Draw Down
Test Duration:	45
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097309
Test Type:	Draw Down
Test Duration:	15
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380044
Test Type:	Draw Down
Test Duration:	30
Test Level:	36
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934897989
Test Type:	Draw Down
Test Duration:	60
Test Level:	36
Test Level UOM:	ft

Water Details

Water ID:	933465751
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	108
Water Found Depth UOM:	ft

33 **1 of 1** **NE/94.6** **80.7 / 0.80** **ON** **BORE**

Borehole ID:	615095	**Inclin FLG:**	No
OGF ID:	215516037	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	DEC-1970	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.431546
Total Depth m:	32.9	**Longitude DD:**	-75.51839
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	459451
Drill Method:		**Northing:**	5031022
Orig Ground Elev m:	82.3	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	82.2		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400404	**Mat Consistency:**	
Top Depth:	1.8	**Material Moisture:**	
Bottom Depth:	30.5	**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:	218400403	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.8	**Material Texture:**	
Material Color:	Yellow	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Fill	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND. YELLOW.		

Geology Stratum ID:	218400405	**Mat Consistency:**	
Top Depth:	30.5	**Material Moisture:**	
Bottom Depth:	32.9	**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:**	organic

Gsc Material Description:
Stratum Description: SLATE. BROWN. 00108ORGANIC. CLAY. BROWN,GREY. SAND. UNSPECIFIED. 400030054019010 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07603 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

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34 ***1 of 1*** ***SE/95.4*** ***77.9 / -2.00*** ***ON*** ***BORE***

Borehole ID:	615082	**Inclin FLG:**	No
OGF ID:	215516024	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	MAY-1966	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.428529
Total Depth m:	43	**Longitude DD:**	-75.518874
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	459411
Drill Method:		**Northing:**	5030687
Orig Ground Elev m:	76.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	76.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400357	**Mat Consistency:**	
Top Depth:	41.1	**Material Moisture:**	
Bottom Depth:	43	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Shale	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	

Gsc Material Description:
Stratum Description: SHALE. BROWN. 00014WEATHERED. 000100140008910030RED. 000050040003005401901000 020 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218400355	**Mat Consistency:**	

Top Depth:	.6	**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.		

Geology Stratum ID:	218400354	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.6	**Material Texture:**	
Material Color:	Yellow	**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. YELLOW.		

Geology Stratum ID:	218400356	**Mat Consistency:**	
Top Depth:	38.1	**Material Moisture:**	
Bottom Depth:	41.1	**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.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07590 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
35	1 of 1	SE/95.7	77.9 / -2.00	lot 6 con 4 ON	WWIS

Well ID:	1501530	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	12/14/1966
Sec. Water Use:	Domestic	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	

Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023573	**Elevation:**	76.420509
DP2BR:	135	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459410.8
Code OB Desc:	Bedrock	**North83:**	5030687
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/4/1966	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930992082
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992083
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	2
Formation End Depth:	125

Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992084
Layer:	3
Color:	
General Color:	
Mat1:	07
Most Common Material:	QUICKSAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	125
Formation End Depth:	135
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992085
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	135
Formation End Depth:	141
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572143
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930040006
Layer:	2
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	135
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930040005
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	102
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930040007
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	141
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501530
Pump Set At:	
Static Level:	10
Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933454240
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	14
Water Found Depth UOM:	ft

36	***1 of 1***	***ESE/97.2***	***78.9 / -1.00***	***lot 6 con 4 OTTAWA ON***	***WWIS***

Well ID:	7300644	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Test Hole	***Date Received:***	12/5/2017
Sec. Water Use:	Monitoring	***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	7241

Casing Material:		***Form Version:***	7
Audit No:	Z263679	***Owner:***	
Tag:	A189952	***Street Name:***	6102 RENAUD ST
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006858413	***Elevation:***	76.081375
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	459491
Code OB Desc:		***North83:***	5030685
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	10/2/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007044313
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	1
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007044312
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	85
Other Materials:	SOFT

Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007044314
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3: 85
Other Materials: SOFT
Formation Top Depth: 5
Formation End Depth: 15
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007044324
Layer: 3
Plug From: 4
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007044322
Layer: 1
Plug From: 0
Plug To: 1
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007044323
Layer: 2
Plug From: 1
Plug To: 4
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1007044311
Casing No: 0
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	1007044317
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	5
Casing Diameter:	1.38
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1007044318
Layer:	1
Slot:	10
Screen Top Depth:	5
Screen End Depth:	15
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.66

Hole Diameter

Hole ID:	1007044315
Diameter:	2.375
Depth From:	0
Depth To:	15
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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37 ***1 of 1*** ***ENE/98.5*** ***80.9 / 1.00*** ***ON*** ***BORE***

Borehole ID:	615091	***Inclin FLG:***	No
OGF ID:	215516033	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	8.0	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.431193
Total Depth m:	-999	***Longitude DD:***	-75.516853
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	459571
Drill Method:		***Northing:***	5030982
Orig Ground Elev m:	80.8	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	81.6		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400384	***Mat Consistency:***	

Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.4	**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:	218400385	**Mat Consistency:**	
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	30.8	**Material Texture:**	
Material Color:		**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.		

Geology Stratum ID:	218400386	**Mat Consistency:**	Firm
Top Depth:	30.8	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Shale	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. WATER STABLE AT 238.9 FEET.D. CLAY. GREY,FIRM. 00010 040 00100 067 00400 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 075990 NTS_Sheet: 31G05H		
Confiden 1:	Reliable information but incomplete.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**Vertical Datum:**	Mean Average Sea Level
Source Date:	1956-1972	**Projection Name:**	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

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38 | ***1 of 1*** | ***NW/118.2*** | ***80.6 / 0.76*** | ***City of Ottawa***
2955 Navan Rd
Ottawa ON K2G 6J8 | ***ECA***

Approval No:	6041-B59RHU	**MOE District:**	
Approval Date:	2018-10-11	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

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

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 2955 Navan Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6301-B4JK4D-14.pdf

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39 | **1 of 1** | **NW/118.2** | **80.6 / 0.76** | **2955 Navan Rd Ottawa ON K1C7G4** | **EHS**

Order No: 20160526164
Status: C
Report Type: Standard Report
Report Date: 02-JUN-16
Date Received: 26-MAY-16
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.524024
Y: 45.432295

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40 | **1 of 1** | **ENE/122.0** | **80.9 / 1.00** | **2777 PAGE ROAD Orleans ON K1W 1G1** | **HINC**

External File Num: FS INC 0610-02903
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 9/25/2006
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Construction Site (pipeline strike)
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Transmission, Distribution and Transportation
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:No Human Factors:Yes
Reported Details:
Fuel Category: Gaseous Fuel
Occurrence Type: Incident
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name: Ottawa
Approx. Quant. Rel:
Nearby body of water:
Enter Drainage Syst.:
Approx. Quant. Unit:
Environmental Impact:

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41 | **1 of 1** | **NE/131.4** | **80.9 / 1.00** | **lot 5 con 3 ON** | **WWIS**

Well ID: 1511515
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Data Entry Status:
Data Src: 1
Date Received: 12/22/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005

Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	OF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10033509	***Elevation:***	82.060234
DP2BR:	105	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459490.8
Code OB Desc:	Bedrock	***North83:***	5031052
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/7/1971	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931017950
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	105
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931017951
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	105
Formation End Depth:	109
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10582079
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930059513
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 107
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059514
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 109
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511515
Pump Set At:
Static Level: 28
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: N

Draw Down & Recovery

Pump Test Detail ID: 934901348
Test Type: Draw Down
Test Duration: 60
Test Level: 40

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934644429
Test Type: Draw Down
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098171
Test Type: Draw Down
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934383408
Test Type: Draw Down
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Water Details

Water ID: 933466687
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 109
Water Found Depth UOM: ft

---

42 ***1 of 1*** ***NW/131.7*** ***80.9 / 1.03*** ***ON*** ***WWIS***

Well ID:	7292790	***Data Entry Status:***	Yes
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	8/17/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	7543
Casing Material:		***Form Version:***	8
Audit No:	C36219	***Owner:***	
Tag:	A191634	***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

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

Bore Hole ID:	1006712676	**Elevation:**	82.529029
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	459046
Code OB Desc:		**North83:**	5031142
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:		**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

---

43 | ***1 of 1*** | ***SSW/132.2*** | ***74.2 / -5.67*** | ***231 LUCINDA CRESCENT ORLEANS ON K1W 0A1*** | ***HINC***

External File Num:	FS INC 0706-02747
Fuel Occurrence Type:	Pipeline Strike
Date of Occurrence:	5/26/2007
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Construction Site (pipeline strike)
Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Transmission, Distribution and Transportation
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training: Yes Management:Yes Human Factors:Yes
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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44 | ***1 of 1*** | ***NE/139.4*** | ***80.9 / 1.00*** | ***lot 5 con 3 ON*** | ***WWIS***

Well ID:	1511514	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/22/1971
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	005
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	

Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

Bore Hole Information

Bore Hole ID:	10033508	***Elevation:***	82.301673
DP2BR:	90	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	459480.8
Code OB Desc:	Bedrock	***North83:***	5031062
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	5/2/1971	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931017949
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	90
Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931017948
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10582078
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059512
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	95
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059511
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	92
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991511514
Pump Set At:	
Static Level:	28
Final Level After Pumping:	40
Recommended Pump Depth:	50
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934901347
Test Type:	Draw Down
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934383407
Test Type:	Draw Down
Test Duration:	30
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644428
Test Type:	Draw Down
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098170
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933466686
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	95
Water Found Depth UOM:	ft

---

45 | ***1 of 1*** | ***NE/140.6*** | ***80.9 / 1.00*** | ***lot 6 con 3 ON*** | ***WWIS***

Well ID:	1501453	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/30/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	006
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023496	**Elevation:**	82.905914
DP2BR:	96	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459435.8
Code OB Desc:	Bedrock	**North83:**	5031072

Open Hole:
Cluster Kind:
Date Completed: 9/2/1965
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930991866
Layer: 3
Color: 6
General Color: BROWN
Mat1: 19
Most Common Material: SLATE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 96
Formation End Depth: 103
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930991865
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 90
Formation End Depth: 96
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930991864
Layer: 1
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 90
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10572066
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930039871
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 96
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930039872
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 103
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501453
Pump Set At:
Static Level: 35
Final Level After Pumping: 60
Recommended Pump Depth: 60
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
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: N

Water Details

Water ID: 933454160
Layer: 1

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

Kind Code: 1
Kind: FRESH
Water Found Depth: 103
Water Found Depth UOM: ft

---

46 *1 of 4* *ENE/141.4* *80.9 / 1.00*

Minto Communities Inc.
6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester
Ottawa ON

CA

Certificate #: 5588-89SKM5
Application Year: 2010
Issue Date: 10/8/2010
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:

---

46 *2 of 4* *ENE/141.4* *80.9 / 1.00*

Richcraft Homes Ltd.
6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester
Ottawa ON

CA

Certificate #: 4214-8DRL23
Application Year: 2011
Issue Date: 2/8/2011
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:

---

46 *3 of 4* *ENE/141.4* *80.9 / 1.00*

Richcraft Homes Ltd.
6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa
Ottawa ON K1G 4K1

ECA

Approval No: 4214-8DRL23
Approval Date: 2011-02-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9695-8DMRDP-14.pdf

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
46	4 of 4	ENE/141.4	80.9 / 1.00	Minto Communities Inc. 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa Ottawa ON K1P 0B6	ECA

Approval No:	5588-89SKM5	**MOE District:**	
Approval Date:	2010-10-08	**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
Address: 6151 Renaud Rd Part Lot 5, Conc. 3 (Ottawa Front), Geographic Town of Gloucester, City of Ottawa
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6949-893LH7-14.pdf

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	1 of 1	E/145.1	80.9 / 1.00	Navan Rd Renaud Rd Ottawa ON	EHS

Order No:	20131111003	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	19-NOV-13	**Search Radius (km):**	.25
Date Received:	11-NOV-13	**X:**	-75.513565
Previous Site Name:		**Y:**	45.43005
Lot/Building Size:			

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
48	1 of 1	E/145.2	80.9 / 1.00	Renaud Rd and Navan Rd Ottawa ON	SPL

Ref No:	7246-8UXM48	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	04-JUN-12	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:	13	**Nearest Watercourse:**	
Contaminant Name:	DIESEL FUEL	**Site Address:**	Renaud Rd and Navan Rd
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:	Sewage - Municipal/Private and Commercial	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:	Planned Field Response	**Easting:**	
Dt MOE Arvl on Scn:	05-JUN-12	**Site Geo Ref Accu:**	
MOE Reported Dt:	04-JUN-12	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:		**Source Type:**	

Site Name: TT MVA<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: MVA: TT 265L DSL to ditch
Contaminant Qty:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	1 of 1	NE/157.1	80.9 / 1.00	lot 5 con 3 ON	WWIS

Well ID: 1510712
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/23/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10032729
DP2BR: 95
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/18/1970
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 82.74707
Elevrc:
Zone: 18
East83: 459470.8
North83: 5031082
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931015631
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 01
Other Materials: FILL
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 4
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931015633

Layer:	3
Color:	6
General Color:	BROWN
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	95
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015632
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	95
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10581299
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058025
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058024
Layer:	1
Material:	2

Open Hole or Material: GALVANIZED
Depth From:
Depth To: 97
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510712
Pump Set At:
Static Level: 22
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 50
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: N

Draw Down & Recovery

Pump Test Detail ID: 934641197
Test Type: Draw Down
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097303
Test Type: Draw Down
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380038
Test Type: Draw Down
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897983
Test Type: Draw Down
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933465745

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	100
Water Found Depth UOM:	ft

50 **1 of 1** **NE/157.2** **80.9 / 1.00** **ON** **BORE**

Borehole ID:	615102	**Inclin FLG:**	No
OGF ID:	215516044	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	MAY-1970	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.432087
Total Depth m:	30.5	**Longitude DD:**	-75.51814
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	459471
Drill Method:		**Northing:**	5031082
Orig Ground Elev m:	82.9	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	82.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218400427	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.2	**Material Texture:**	
Material Color:	Yellow	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Fill	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND. YELLOW.		

Geology Stratum ID:	218400429	**Mat Consistency:**	
Top Depth:	29	**Material Moisture:**	
Bottom Depth:	30.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Shale	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SHALE. BROWN. 00100FT. 00025076CIFIED. Y. SAND. UNSPECIFIED. 400030054019010 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218400428	**Mat Consistency:**	
Top Depth:	1.2	**Material Moisture:**	
Bottom Depth:	29	**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.

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 07610 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	***Horizontal Datum:***	NAD27
Source Type:	Data Survey	***Vertical Datum:***	Mean Average Sea Level
Source Date:	1956-1972	***Projection Name:***	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

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51 ***1 of 1*** ***NW/182.1*** ***80.7 / 0.82*** ***Navan Rd Ottawa ON*** ***EHS***

Order No:	20160224002	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	01-MAR-16	***Search Radius (km):***	.25
Date Received:	24-FEB-16	***X:***	-75.524205
Previous Site Name:		***Y:***	45.432901
Lot/Building Size:			
Additional Info Ordered:			

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52 ***1 of 1*** ***ESE/184.5*** ***76.9 / -3.00*** ***362 Saddleridge Drive, Ottawa ON*** ***PINC***

Incident ID:		***Health Impact:***	
Incident No:	931956	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	Yes
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	
Fuel Occurrence Tp:		***Enforce Policy:***	Yes
Fuel Type:		***Public Relation:***	
Tank Status:	RC Established	***Pipeline System:***	
Task No:	4157980	***Depth:***	
Spills Action Centre:		***Pipe Material:***	
Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:		***Regulator Location:***	
Occurrence Start Date:	2012/10/30		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	362 Saddleridge Drive, Ottawa - 1/2" Pipeline Hit		
Reported By:	ryan.noble@enbridge.com		
Affiliation:			
Occurrence Desc:			
Damage Reason:	Excavation practices not sufficient		
Notes:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
53	1 of 1	E/185.6	80.9 / 1.00	lot 5 con 4 ON	WWIS

Well ID: 1509638
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/15/1968
Selected Flag: Yes
Abandonment Rec:
Contractor: 1517
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession: 04
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10031670
DP2BR: 118
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 2/1/1968
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 83.4412
Elevrc:
Zone: 18
East83: 459700.8
North83: 5030882
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931012639
Layer: 5
Color: 8
General Color: BLACK
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 118
Formation End Depth: 128
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931012636
Layer:	2
Color:	
General Color:	
Mat1:	07
Most Common Material:	QUICKSAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931012635
Layer:	1
Color:	
General Color:	
Mat1:	23
Most Common Material:	PREVIOUSLY DUG
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931012638
Layer:	4
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	110
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931012637
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	30
Formation End Depth:	110

Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10580240
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055979
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 118
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055980
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 128
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991509638
Pump Set At:
Static Level: 25
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 4
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

Water Details

Water ID: 933464524
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 127
Water Found Depth UOM: ft

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54 | 1 of 1 | NE/192.5 | 80.9 / 1.00 | lot 5 con 3 ON | WWIS

Well ID: 1501412
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/20/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 005
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10023455
DP2BR: 100
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/10/1961
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 83.57019
Elevrc:
Zone: 18
East83: 459450.8
North83: 5031122
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930991771
Layer: 2
Color: 6
General Color: BROWN
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth:	100
Formation End Depth:	114
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930991770
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	100
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572025
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930039794
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	105
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930039795
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	114
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501412
Pump Set At:	
Static Level:	30
Final Level After Pumping:	45
Recommended Pump Depth:	45
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	12
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:	N

Water Details

Water ID:	933454119
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	114
Water Found Depth UOM:	ft

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55 | ***1 of 1*** | ***NNW/215.8*** | ***79.9 / 0.00*** | ***Navan Road Ottawa ON*** | ***EHS***

Order No:	20150903046	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	10-SEP-15	**Search Radius (km):**	.25
Date Received:	03-SEP-15	**X:**	-75.522476
Previous Site Name:		**Y:**	45.433367
Lot/Building Size:			
Additional Info Ordered:			

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56 | ***1 of 2*** | ***ENE/225.2*** | ***80.9 / 1.00*** | ***700 MORNINGSTAR WAY, OTTAWA ON*** | ***PINC***

Incident ID:		**Health Impact:**	
Incident No:	1899738	**Environment Impact:**	
Type:	FS-Pipeline Incident	**Property Damage:**	No
Status Code:	Pipeline Damage Reason Est	**Service Interupt:**	
Fuel Occurrence Tp:		**Enforce Policy:**	Yes
Fuel Type:		**Public Relation:**	
Tank Status:	RC Established	**Pipeline System:**	
Task No:	6241639	**Depth:**	
Spills Action Centre:		**Pipe Material:**	
Method Details:	E-mail	**PSIG:**	
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:		**Regulator Location:**	
Occurrence Start Date:	2016/07/21		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	700 MORNINGSTAR WAY, OTTAWA - PIPELINE HIT - 1/2"		
Reported By:	Bernie Monette - ENBRIDGE		
Affiliation:			

Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes:

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56 | **2 of 2** | **ENE/225.2** | **80.9 / 1.00** | **Enbridge Gas Distribution Inc.**
700 Morningstar Way
Ottawa ON | **SPL**

Ref No:	4350-ABNHGR	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/07/07	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Miscellaneous Industrial
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	700 Morningstar Way
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2016/07/08	**Site Map Datum:**	
Dt Document Closed:	2016/08/10	**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error	**Source Type:**	
Site Name:	PL Strike Site <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	TSSA: FSB 1/2" PL Strike, made safe.		
Contaminant Qty:	0 L		

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57 | **1 of 1** | **E/226.1** | **80.9 / 1.00** | **lot 5 con 4**
ON | **WWIS**

Well ID:	1501527	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/26/1960
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2311
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	005
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10023570	**Elevation:**	84.406768
DP2BR:	120	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	459740.8
Code OB Desc:	Bedrock	**North83:**	5030892
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/26/1960	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930992075
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930992076
Layer:	2
Color:	
General Color:	
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	120
Formation End Depth:	159
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10572140
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930039999
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	120
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930040000
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	159
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991501527
Pump Set At:	
Static Level:	33
Final Level After Pumping:	40
Recommended Pump Depth:	40
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
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:	N

Water Details

Water ID:	933454237
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	150
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
58	1 of 1	SSE/229.8	72.8 / -7.03	***Jean-Guy Rivard*** ***6048 Renaud Rd*** ***Ottawa ON K1C 6Z7***	ECA

Approval No:	9150-8VAPZH	***MOE District:***	
Approval Date:	2012-06-28	***City:***	
Status:	Approved	***Longitude:***	

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

Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 6048 Renaud Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2428-8V9RMT-14.pdf
Latitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
59	1 of 1	NW/232.0	78.1 / -1.82	AECON CONSTRUCTION ONTARIO EAST LIMITED ON	EASR

Approval No: R-009-8110705414
Status: REGISTERED
Date: 2018-11-26
Record Type: EASR
Link Source: MOFA
Project Type: Water Taking - Construction Dewatering
Full Address:
Approval Type: EASR-Water Taking - Construction Dewatering
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2106805
SWP Area Name: Rideau Valley
MOE District: Ottawa
Municipality:
Latitude: 45.43305556
Longitude: -75.525
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	1 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON	CA

Certificate #: 7172-8AVK8G
Application Year: 2010
Issue Date: 11/19/2010
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:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	2 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON	CA

Certificate #: 3070-8LGQ4W
Application Year: 2011
Issue Date: 9/23/2011
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:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	3 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester) Ottawa ON K2P 0Y6	ECA

Approval No:	7172-8AVK8G	MOE District:	
Approval Date:	2010-11-19	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		
Address:	3138 Navan Rd Lot 5 & 6, Concession 4 (Gloucester)		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0450-8A9MP2-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	4 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Lot 5 and 6, Concession 4 Ottawa ON K2P 0Y6	ECA

Approval No:	3070-8LGQ4W	MOE District:	
Approval Date:	2011-09-23	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		
Address:	3138 Navan Rd Lot 5 and 6, Concession 4		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9808-8LFQ2X-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
60	5 of 5	E/236.8	80.9 / 1.00	Claridge Homes (Carson) Inc. 3138 Navan Rd Ottawa ON K2P 0Y6	ECA

Approval No:	9389-APSL68	MOE District:	
Approval Date:	2017-07-31	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		
Address:	3138 Navan Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4781-APPHV2-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
61	1 of 1	ENE/243.9	80.9 / 1.00	6173 Renaud Road, Ottawa ON	PINC

Incident ID:	2801790	Health Impact:	No
Incident No:	645066	Environment Impact:	No
Type:	FS-Pipeline Incident	Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est	Service Interupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike	Enforce Policy:	Yes
Fuel Type:	Natural Gas	Public Relation:	No

Tank Status:	RC Established	**Pipeline System:**	Transmission pipeline
Task No:	3447797	**Depth:**	19
Spills Action Centre:		**Pipe Material:**	Plastic
Method Details:	E-mail	**PSIG:**	40
Fuel Category:	Natural Gas	**Attribute Category:**	FS-Perform P-line Inc Invest
Date of Occurrence:	8/12/2011 0:00	**Regulator Location:**	Outside
Occurrence Start Date:	2011/08/15		

Operation Type: Construction Site (pipeline strike)
Pipeline Type: Main Distribution Pipeline
Regulator Type: Service Regulator (up to 60 psi intake)
Summary: 6173 Renaud Road, Ottawa - Pipeline Hit
Reported By: Wayne Pilon
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc: gas main damage
Damage Reason: Excavation practices not sufficient
Notes: imprudent excavation

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62 **1 of 1** **E/244.4** **80.9 / 1.00** **Ottawa ON** **WWIS**

Well ID:	7220992	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring and Test Hole	**Date Received:**	5/30/2014
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	7
Audit No:	Z187686	**Owner:**	
Tag:	A163076	**Street Name:**	3143 NAVAN ROAD
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1004790188	**Elevation:**	84.947212
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	459758
Code OB Desc:		**North83:**	5030905
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/25/2014	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005166104
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0.31
Formation End Depth:	3.96
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005166103
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	28
Other Materials:	SAND
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	0
Formation End Depth:	0.31
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005166105
Layer:	3
Color:	2
General Color:	GREY
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	3.96
Formation End Depth:	4.57
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005166113
Layer:	1
Plug From:	0
Plug To:	0.31
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1005166114

Layer: 2
Plug From: 0.31
Plug To: 1.44
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005166115
Layer: 3
Plug From: 1.44
Plug To: 4.57
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: D
Method Construction: Direct Push
Other Method Construction:

Pipe Information

Pipe ID: 1005166102
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005166108
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 1.52
Casing Diameter: 4.03
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005166109
Layer: 1
Slot: 10
Screen Top Depth: 1.52
Screen End Depth: 4.57
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.82

Hole Diameter

Hole ID: 1005166106
Diameter: 8.25
Depth From: 0
Depth To: 4.57
Hole Depth UOM: m
Hole Diameter UOM: cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	1 of 1	E/245.6	80.9 / 1.00	3143 Navan Road Navan ON K4B 1H9	EHS

Order No:	20180621107	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	28-JUN-18	**Search Radius (km):**	.25
Date Received:	21-JUN-18	**X:**	-75.514428
Previous Site Name:		**Y:**	45.430443
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
64	1 of 1	NE/247.6	80.9 / 1.00	lot 5 con 3 ON	WWIS

Well ID:	1511711	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/7/1972
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GLOUCESTER TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	005
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10033705	**Elevation:**	84.411491
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	o	**East83:**	459430.8
Code OB Desc:	Overburden	**North83:**	5031182
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/5/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931018519
Layer:	1
Color:	3
General Color:	BLUE

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	85
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018520
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	85
Formation End Depth:	93
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10582275
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059876
Layer:	1
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	93
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991511711
Pump Set At:	
Static Level:	35
Final Level After Pumping:	45
Recommended Pump Depth:	55
Pumping Rate:	8

Flowing Rate:	
Recommended Pump Rate:	6
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934382904
Test Type:	Draw Down
Test Duration:	30
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098362
Test Type:	Draw Down
Test Duration:	15
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934645038
Test Type:	Draw Down
Test Duration:	45
Test Level:	45
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901956
Test Type:	Draw Down
Test Duration:	60
Test Level:	45
Test Level UOM:	ft

Water Details

Water ID:	933466945
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	93
Water Found Depth UOM:	ft

65	***1 of 1***	***ENE/250.8***	***80.9 / 1.00***	***6173 Renaud Road Navan ON K4B 1H9***	***EHS***

Order No:	20191016018	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	21-OCT-19	***Search Radius (km):***	.25
Date Received:	16-OCT-19	***X:***	-75.51459
Previous Site Name:		***Y:***	45.4311

Lot/Building Size: 0.86 acres
Additional Info Ordered:

Unplottable Summary

Total: 77 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Fourth Line Road Pond No. 3	Pt. Lot 7, Conc. 4, O.F., Plan 4R-7806	Gloucester ON	
CA	MICHEL LAMARCHE ENTERPRISES INC.	PAGE ROAD X-7-1094-89	GLOUCESTER CITY ON	
CA	GLOUCESTER CITY	NAVAN RD.	GLOUCESTER CITY ON	
CA	APEX CONST. (VAULTEX CONST.)	NAVAN RD.	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON-LOT 6,7 & 8	BLACKBURN HAMLET BYPASS	GLOUCESTER CITY ON	
CA	MINTO DEVELOPMENTS INC.	LOT 7,C.3/CHAPEL HILL S.PH.V11	GLOUCESTER ON	
CA	MINTO DEVELOPMENTS INC.	LOT 7,C.3/CHAPEL HILL S.PH.V11	GLOUCESTER ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA		Part of Lots 5 and 6, Conc. 3 Page Rd and Hydro Corridor Pt 2, Ref Plan 5R-14021	Ottawa ON	
CA		Lot 6, Concession 2 and 3	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	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	

CA	Claridge Homes (Carson) Inc.		Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	1374421 Ontario Ltd.	North Part of Lot 6, Concession III	Ottawa ON	
CA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	
CA	Longwood Building Corporation	Part of Lot 6, Between Concession 2 & 3	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA	Jean-Guy Rivard		Ottawa ON	
CA	1374421 Ontario Ltd.	North Part of Lot 6, Concession III	Ottawa ON	
CA	Richcraft Homes Ltd.		Ottawa ON	
CA		Page Rd Allowance bwt Lots 5 and 6, Conc. III	Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CONV	AECON CONSTRUCTION AND MATERIAL		ON	
EBR	Richcraft Homes Ltd.	Ottawa, ON Canada	ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
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 Front)	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 Front)	Ottawa ON	K1P 0B6
ECA	Humanics Universal Inc.	Part of Lot 7	Ottawa ON	K4A 1Z6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Claridge Homes (Carson) Inc.		Ottawa ON	K2P 0Y6
ECA	City of Ottawa	Navan Road	Ottawa ON	K1S 5K2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Richcraft Homes Ltd.		Ottawa ON	K1G 4K1
ECA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	K2P 0M6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
GEN	OTTAWA-CARLTON, REGIONAL MUN OF 29-004	REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH	OTTAWA ON	K1Y 2Z7
GEN	OTTAWA-CARLTON, REGIONAL MUN OF	REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH	OTTAWA ON	K1Y 2Z7
INC		62 June Court, Lot G, Ottawa	ON	
PTTW	Minto Communities Inc.		ON	
PTTW	6980848 Canada Corporation	Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE	ON	
PTTW	Minto Communities Inc.		ON	

RSC	CLARIDGE HOMES (CARSON) INC.	No Municipal Address	Ottawa ON
SPL	BUS	BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON
SPL	Aecon Construction & Materials Limited	Kanata	Ottawa ON
SPL	NAVRO INC	ON MR. CALLAHAN PROPERTY NAVAN ROAD GLOUCESTER PLANT NAVAN ROAD	GLOUCESTER CITY ON
WWIS		con 3	ON
WWIS		lot 6	ON
WWIS		con 4	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON
WWIS		lot 7	ON
WWIS		lot 6	ON

Unplottable Report

Site: ***Fourth Line Road Pond No. 3***
Pt. Lot 7, Conc. 4, O.F., Plan 4R-7806 Gloucester ON

Database: ***CA***

Certificate #:	7367-4SUGSG
Application Year:	01
Issue Date:	3/7/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the City of Ottawa
Client Address:	1595, Telesat Court
Client City:	Gloucester
Client Postal Code:	K1G 3V5
Project Description:	This application is for the construction of a storm water management facility (Fourth Line Road Pond No. 3) designed for storm water quality and peak flow control to serve the East Urban Community.
Contaminants:	
Emission Control:	

Site: ***MICHEL LAMARCHE ENTERPRISES INC.***
PAGE ROAD X-7-1094-89 GLOUCESTER CITY ON

Database: ***CA***

Certificate #:	3-1323-89-
Application Year:	89
Issue Date:	7/17/1989
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***GLOUCESTER CITY***
NAVAN RD. GLOUCESTER CITY ON

Database: ***CA***

Certificate #:	3-2067-87-
Application Year:	87
Issue Date:	11/17/1987
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***APEX CONST. (VAULTEX CONST.)***
NAVAN RD. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-1234-86-
Application Year: 86
Issue Date: 9/11/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON-LOT 6,7 & 8***
BLACKBURN HAMLET BYPASS GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-0636-90-
Application Year: 90
Issue Date: 4/26/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MINTO DEVELOPMENTS INC.***
LOT 7,C.3/CHAPEL HILL S.PH.V11 GLOUCESTER ON

Database: ***CA***

Certificate #: 3-0252-98-
Application Year: 98
Issue Date: 3/24/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MINTO DEVELOPMENTS INC.***
LOT 7,C.3/CHAPEL HILL S.PH.V11 GLOUCESTER ON

Database: ***CA***

Certificate #: 7-0152-98-
Application Year: 98
Issue Date: 3/24/1998
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #:	1760-4W5ML6
Application Year:	01
Issue Date:	4/25/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	KNL Developments Inc.
Client Address:	222 Somerset Street West, Suite 300
Client City:	Ottawa
Client Postal Code:	K2P 2G3
Project Description:	Watermains to be constructed on Witherspoon Crescent
Contaminants:	
Emission Control:	

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #:	6816-54HQ5P
Application Year:	01
Issue Date:	11/16/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	KNL Developments Inc.
Client Address:	222 Somerset Street West, Suite 300
Client City:	Ottawa
Client Postal Code:	K2P 2G3
Project Description:	Sanitary Sewers including appurtenances from approximately 50m west of Ironside Court to the Goulbourn Forced Road to serve the Kanata Lakes Subdivision, City of Ottawa
Contaminants:	
Emission Control:	

Site:
Part of Lots 5 and 6, Conc. 3 Page Rd and Hydro Corridor Pt 2, Ref Plan 5R-14021 Ottawa ON

Database:
CA

Certificate #:	7125-4WTRKD
Application Year:	01
Issue Date:	5/18/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Corporation of the City of Ottawa
Client Address:	110 Laurier Avenue West
Client City:	Ottawa
Client Postal Code:	K1P 1J1
Project Description:	watermains to be constructed on Page Road and Easement within Hydro Corridor
Contaminants:	
Emission Control:	

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #:	5772-4W5M6D
Application Year:	01
Issue Date:	4/25/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval

Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Storm and sanitary sewers to be constructed on Witherspoon Crescent
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: ***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 #: 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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 9817-7WNR3C
Application Year: 2009
Issue Date: 10/15/2009
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: ***Claridge Homes (Carson) Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 9611-7PUSMB
Application Year: 2009
Issue Date: 3/9/2009
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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 9080-5UYQRL
Application Year: 2004
Issue Date: 1/8/2004
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.***
Ottawa ON

Database: ***CA***

Certificate #: 8697-6Z5TCD
Application Year: 2007
Issue Date: 4/17/2007
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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 7432-7UVKBU
Application Year: 2009
Issue Date: 8/13/2009
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: ***1374421 Ontario Ltd.***
North Part of Lot 6, Concession III Ottawa ON

Database: ***CA***

Certificate #: 7248-6M3NHQ
Application Year: 2006
Issue Date: 2/17/2006
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: ***Longwood Building Corporation***
Part of Lot 6, Between Concession 2 & 3 Ottawa ON

Database: ***CA***

Certificate #: 6229-6EQGQE
Application Year: 2005
Issue Date: 7/28/2005
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: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 3841-632P4R
Application Year: 2004
Issue Date: 7/20/2004
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: ***Jean-Guy Rivard***
Ottawa ON

Database: ***CA***

Certificate #: 3630-7KFQC7
Application Year: 2008
Issue Date: 10/17/2008
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: ***1374421 Ontario Ltd.***
North Part of Lot 6, Concession III Ottawa ON

Database: ***CA***

Certificate #: 1907-62VS2P
Application Year: 2004
Issue Date: 7/21/2004
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Richcraft Homes Ltd.***
Ottawa ON

Database: ***CA***

Certificate #: 1207-5YPRH9

Application Year: 2004
Issue Date: 5/6/2004
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: ***Database:*** ***CA***
Page Rd Allowance bwt Lots 5 and 6, Conc. III Ottawa ON

Certificate #: 4785-4XFRCP
Application Year: 01
Issue Date: 6/8/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: The works consist of installation of about 240 m of twin forcemains (300 mm and 400 mm dia.) that will become part of the future Forest Valley P.S. forcemains. The works will be done at this time to take advantage of the road construction. The works include connection to the existing M. H. (bulkheads will be provided at stub ends) and installation of the drain chamber. The forcemains is located within Page Road from approximately 40 m south of Montpelier PL to approximately 280 m south of Montpelier PL.
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.*** ***Database:*** ***CA***
Ottawa ON

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: ***AECON CONSTRUCTION AND MATERIAL*** ***Database:*** ***CONV***
ON

File No:
Crown Brief No: 98-0000-9004
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Location:
Region: EASTERN REGION
Ministry District:

Investigation 2:
Penalty Imposed:
Description: THIS IS THE EASTERN BRIEF FOR ALL P.O.A. TICKETS
Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 34(8)
Act/Regulation/Section: OWRA- -34(8)
Date of Offence:
Date of Conviction:
Date Charged: 11/1/01
Charge Disposition: SUSPENDED SENTENCE
Fine: $305.00
Synopsis:

Site: ***Richcraft Homes Ltd.***
Ottawa, ON Canada ON

Database: ***EBR***

EBR Registry No: 019-1273
Ministry Ref No: KV-C-001-18
Notice Type: Instrument
Notice Stage: Proposal
Notice Date:
Proposal Date: February 27, 2020
Year: 2020
Decision Posted:
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:
Instrument Type: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
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: Ottawa,
ON
Canada
Location Other:
Proponent Name: Richcraft Homes Ltd.
Proponent Address: 2280 St. Laurent Boulevard
Unit 201
Ottawa,
ON
K1G4K1
Canada
Comment Period: February 27, 2020 - March 28, 2020 (30 days) Closed
URL: https://ero.ontario.ca/notice/019-1273

Site Location Details:

Part of Lot 8, Concession 1 in the Geographic 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: 860201441
Notice Date: September 28, 2017
Proposal Date: April 10, 2017
Year: 2017
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
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:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 6566-A7AMSG
Approval Date: 2016-02-23
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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1204-A4KTW4-14.pdf

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

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

Database: ***ECA***

Approval No: 8270-A3ZLU2
Approval Date: 2015-11-10
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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf

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
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf

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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Database: ***ECA***

Approval No: 7661-ABCKQL
Approval Date: 2016-06-30
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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf
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
MOE District:
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		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf		

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

Database: ***ECA***

Approval No:	7202-97BLB4	***MOE District:***	
Approval Date:	2013-05-23	***City:***	
Status:	Revoked and/or Replaced	***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		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf		

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

Database: ***ECA***

Approval No:	1810-9L6SH8	***MOE District:***	
Approval Date:	2014-06-27	***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		
Address:	(Ottawa Front)		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6653-9KSHJ5-14.pdf		

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

Database: ***ECA***

Approval No:	6142-BEJHCE	***MOE District:***	
Approval Date:	2019-08-01	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	-8403007.4223
SWP Area Name:		***Geometry Y:***	5691058.511699997
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf		

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

Database: ***ECA***

Approval No:	8605-AYUHJG	***MOE District:***	
Approval Date:	2018-05-30	***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		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf		

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

Database: ***ECA***

Approval No:	6097-9N5HW9	***MOE District:***	
Approval Date:	2014-08-22	***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		
Address:	(Ottawa Front)		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/9823-9MRHMN-14.pdf		

Site: ***Humanics Universal Inc.***
Part of Lot 7 Ottawa ON K4A 1Z6

Database: ***ECA***

Approval No:	2541-AK4T53	***MOE District:***	
Approval Date:	2017-03-30	***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		
Address:	Part of Lot 7		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6813-AA2NAF-14.pdf		

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

Database: ***ECA***

Approval No:	3128-AQGJ6T	***MOE District:***	
Approval Date:	2017-08-23	***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		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf		

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

Database: ***ECA***

Approval No:	1720-AKJGKQ	***MOE District:***	
Approval Date:	2017-03-24	***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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf

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Site: ***Claridge Homes (Carson) Inc.***
Ottawa ON K2P 0Y6

Database: ***ECA***

Approval No: 8741-AU3KP5
Approval Date: 2017-12-20
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1645-ATXMXA-14.pdf

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Site: ***City of Ottawa***
Navan Road Ottawa ON K1S 5K2

Database: ***ECA***

Approval No: 2148-5PNPTW
Approval Date: 2003-07-25
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: Navan Road
Full Address:
Full PDF Link:

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:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf

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Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 5204-4RGRNN
Approval Date: 2000-12-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works

Address:
Full Address:
Full PDF Link:

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 5800-5UYNQD
Approval Date: 2004-01-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address:
Full Address:
Full PDF Link:

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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf

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

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

Database: ***ECA***

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
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf

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

Site: ***Richcraft Homes Ltd.***
Ottawa ON K1G 4K1

Database: ***ECA***

Approval No: 9080-5UYQRL
Approval Date: 2004-01-08
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
Address:
Full Address:

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

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5802-5UQM74-14.pdf

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

Database: ***ECA***

Approval No:	6667-7P8R2K	***MOE District:***	
Approval Date:	2009-02-13	***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		
Address:	Renaud Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0490-7NYR9F-14.pdf		

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		
Address:			
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf		

Site: ***OTTAWA-CARLTON, REGIONAL MUN OF 29-004***
REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH OTTAWA ON K1Y 2Z7

Database: ***GEN***

Generator No:	ON0303100	***PO Box No:***	
Status:		***Country:***	
Approval Years:	94,95,96	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	8351		
SIC Description:	EXEC./LEGIS. ADMIN.		

Detail(s)

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

Site: ***OTTAWA-CARLTON, REGIONAL MUN OF***
REGIONAL ROAD #28 (NAVAN ROAD) C/O 175 LORETTA AVENUE NORTH OTTAWA ON K1Y 2Z7

Database: ***GEN***

Generator No:	ON0303100	***PO Box No:***	
Status:		***Country:***	
Approval Years:	88,89,90	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No Admin:***	
SIC Code:	8351		
SIC Description:	EXEC./LEGIS. ADMIN.		

Detail(s)

Waste Class:	252

Waste Class Desc: WASTE OILS & LUBRICANTS

Site: ***62 June Court, Lot G, Ottawa ON***

Database: ***INC***

Incident No: 414392
Incident ID: 2566092
Attribute Category: FS-Incident
Status Code: Causal Analysis Complete
Incident Location: 62 June Court, Lot G, Ottawa - 1 1/4" Pipeline Hit
Drainage System:
Sub Surface Contam.:
Aff. Prop. Use Water:
Contam. Migrated:
Contact Natural Env.:
Near Body of Water:
Approx. Quant. Rel.:
Equipment Model:
Serial No:
Residential App. Type:
Commercial App. Type:
Industrial App. Type:
Institutional App. Type:
Venting Type:
Vent Connector Mater:
Vent Chimney Mater:
Pipeline Type: Main Distribution Pipeline
Pipeline Involved:
Pipe Material: Plastic
Depth Ground Cover: 1.1
Regulator Location: Outside
Regulator Type: Service Regulator (up to 60 psi intake)
Operation Pressure: 60
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Equipment Type:
Cylinder Capacity:
Cylinder Capac. Units:
Cylinder Material Type:
Tank Capacity:
Fuels Occurence Type:
Fuel Type Involved:
Date of Occurence:
Time of Occurence:
Occur Insp Start Date:
Any Health Impact:
Any Environmental Impact:
Was Service Interrupted:
Was Property Damaged:
Operation Type Involved:
Enforcement Policy:
Prc Escalation Required:
Task No:
Notes:
Occurence Narrative:
Tank Material Type:
Tank Storage Type:
Tank Location Type:
Pump Flow Rate Capac:
Liquid Prop Notes:

Site: ***Minto Communities Inc.*** ***ON***

Database: ***PTTW***

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR
Decision Posted:
Exception Posted:

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:

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: ***6980848 Canada Corporation***
Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE ON

Database: ***PTTW***

EBR Registry No: 011-1038
Ministry Ref No: 3333-88PNVZ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 02, 2014
Proposal Date: August 26, 2010
Year: 2010
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 6980848 Canada Corporation
Site Address:
Location Other:
Proponent Name:
Proponent Address: 6598 Pebble Trail Way, Ottawa Ontario, Canada K4P 0B6
Comment Period:
URL:

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

Site Location Details:

Part Lot 7,8, Concession 3, Township of Osgoode, City of Ottawa OSGOODE

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:

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

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:

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: ***CLARIDGE HOMES (CARSON) INC.***
No Municipal Address Ottawa ON

Database: ***RSC***

RSC ID: 223098
RA No:
RSC Type: Phase 1 and 2 RSC
Curr Property Use: Agricultural/Other
Ministry District: Ottawa District Office
Filing Date: 2017/03/24
Date Ack:
Date Returned:
Restoration Type:
Soil Type:
Criteria:
CPU Issued Sect 1686:
Asmt Roll No: 061460021514215
Prop ID No (PIN): 04352-2075 (LT), 04352-2076 (LT), 04352-2077 (LT)
Property Municipal Address: No Municipal Address
Mailing Address:
Latitude & Latitude:
UTM Coordinates:
Consultant:
Legal Desc:
Measurement Method:
Applicable Standards:
RSC PDF: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76631&fileName=BROWNFIELDS-E.pdf

Cert Date:
Cert Prop Use No:
Intended Prop Use: Residential
Qual Person Name: ADRIAN MENYHART
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N):
Accuracy Estimate:
Telephone:
Fax:
Email:

Document(s) Detail

Document Heading: Supporting Documents
Document Name: APECTable.pdf
Document Type: Area(s) of Potential Environmental Concern
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=78676&fileName=APECTable.pdf

Document Heading: Supporting Documents
Document Name: Table of Current and Past Uses.pdf
Document Type: Table of Current and Past Property Use
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76636&fileName=Table+of+Current+and+Past+Uses.pdf

Document Heading: Supporting Documents
Document Name: Plan of Survey - January 2017.pdf
Document Type: A Current plan of Survey
Document Link: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76633&fileName=Plan+of+Survey+-+January+2017.pdf

Document Heading: Supporting Documents
Document Name: Phase II CSM Feb 2017.pdf
Document Type: Phase 2 Conceptual Site Model

Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76638&fileName=Phase+II+CSM+Feb+2017.pdf
Document Heading:	Supporting Documents
Document Name:	LawyersLetter.pdf
Document Type:	Lawyer's letter consisting of a legal description of the property
Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=78675&fileName=LawyersLetter.pdf
Document Heading:	Supporting Documents
Document Name:	certificatestatus.pdf
Document Type:	Certificate of Status
Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=76632&fileName=certificatestatus.pdf
Document Heading:	Supporting Documents
Document Name:	Transfer.pdf
Document Type:	Copy of any deed(s), transfer(s) or other document(s)
Document Link:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=78674&fileName=Transfer.pdf

Site: ***BUS***
BASELINE STATION TRANSITWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: ***SPL***

Ref No:	71210	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/27/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/27/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OVERSTRESS/OVERPRESSURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	REG. MUNICIPALITY OF OTTAWA CARELTON - 25 L OF DIESEL TO GROUND		
Contaminant Qty:			

Site: ***Aecon Construction & Materials Limited***
Kanata Ottawa ON

Database: ***SPL***

Ref No:	1051-8P4RGA	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	11/29/2011	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	Kanata
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:	Sewage - Municipal/Private and Commercial	***Site Conc:***	

Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/30/2011	***Site Map Datum:***	
Dt Document Closed:	12/11/2011	***SAC Action Class:***	Land Spills
Incident Reason:		***Source Type:***	
Site Name:	17 Landall Road<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Aecon: 70-80 L of hydraulic fluid too grnd, clning		
Contaminant Qty:	80 L		

Site: ***NAVRO INC***
ON MR. CALLAHAN PROPERTY NAVAN ROAD GLOUCESTER PLANT NAVAN ROAD GLOUCESTER CITY ON

Database: ***SPL***

Ref No:	2118	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/5/1988	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:		***Site Municipality:***	20105
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/5/1988	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	NAVRO INC - UNKNOWN AMOUNTH OF LATEX PAINT LEAK TO NEXT DOOR LAND		
Contaminant Qty:			

Site:
con 3 ON

Database: ***WWIS***

Well ID:	1523548	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/21/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2348
Casing Material:		***Form Version:***	1
Audit No:	29576	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	RF
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10045322	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	x	***East83:***	
Code OB Desc:	Unknown type in the lower layers(s)	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:		***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931055001
Layer:	1
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931055002
Layer:	2
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	22
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
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
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991523548
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	40
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
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:	N

Water Details

Water ID:	933481846
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32
Water Found Depth UOM:	ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	1500388	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/26/1948
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1107
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY (GLOUCESTER)
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	JG
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10022433	***Elevation:***	
DP2BR:	25	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/14/1947	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930989142
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930989141
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930989140
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989143
Layer: 4
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 59
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10571003
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037801
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 59
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037800
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991500388
Pump Set At:

Static Level:	1
Final Level After Pumping:	1
Recommended Pump Depth:	
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933452905
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	59
Water Found Depth UOM:	ft

Site:
con 4 ON

Database:
WWIS

Well ID:	1517523	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/20/1981
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10039395	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	2/24/1981	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931035450
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 175
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931035451
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 175
Formation End Depth: 185
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931035449
Layer: 1
Color: 7
General Color: RED
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
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: 930068901
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 184
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930068902
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 185
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991517523
Pump Set At:
Static Level: 40
Final Level After Pumping: 105
Recommended Pump Depth: 120
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 5
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: N

Draw Down & Recovery

Pump Test Detail ID: 934895056
Test Type: Draw Down
Test Duration: 60
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934645364
Test Type: Draw Down
Test Duration: 45
Test Level: 105
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934102054
Test Type: Draw Down

Test Duration:	15
Test Level:	105
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384288
Test Type:	Draw Down
Test Duration:	30
Test Level:	105
Test Level UOM:	ft

Water Details

Water ID:	933474010
Layer:	1
Kind Code:	2
Kind:	SALTY
Water Found Depth:	184
Water Found Depth UOM:	ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	1520608	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/12/1986
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	NA	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10042450	***Elevation:***	
DP2BR:	27	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	5/6/1986	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 931045302
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 82
Other Materials: SHALY
Mat3:
Other Materials:
Formation Top Depth: 27
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045300
Layer: 1
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045301
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 18
Formation End Depth: 27
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10591020
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074093
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 120
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930074092
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 29
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520608
Pump Set At:
Static Level: 15
Final Level After Pumping: 40
Recommended Pump Depth: 40
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 6
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: N

Draw Down & Recovery

Pump Test Detail ID: 934907141
Test Type:
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112494
Test Type:
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648380
Test Type:
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934387357
Test Type:	
Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933477901
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	115
Water Found Depth UOM:	ft

Water Details

Water ID:	933477900
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1528661	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Municipal	***Date Received:***	8/3/1995
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:		***Abandonment Rec:***	
Water Type:		***Contractor:***	4006
Casing Material:		***Form Version:***	1
Audit No:	147555	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	LI
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10050197	***Elevation:***	
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/23/1995	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931070399
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 31
Formation End Depth: 110
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070400
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 12
Other Materials: STONES
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 110
Formation End Depth: 130
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070397
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931070398
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 17

Other Materials: SHALE
Mat3: 74
Other Materials: LAYERED
Formation Top Depth: 20
Formation End Depth: 31
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113583
Layer: 2
Plug From: 15
Plug To: 115
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113582
Layer: 1
Plug From: 0
Plug To: 15
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933113584
Layer: 3
Plug From: 115
Plug To: 130
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: 0
Method Construction: Not Known
Other Method Construction:

Pipe Information

Pipe ID: 10598767
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087739
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 130
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID:	933488460
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	123
Water Found Depth UOM:	ft

Site:
lot 6 ON

Database:
WWIS

Well ID:	1528362	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Municipal	***Date Received:***	12/19/1994
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Observation Wells	***Abandonment Rec:***	
Water Type:		***Contractor:***	6844
Casing Material:		***Form Version:***	1
Audit No:	154297	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	006
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10049901	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/22/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931069428
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	84
Other Materials:	SILTY
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	2
Formation End Depth:	11
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931069429
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Other Materials:	SILTY
Mat3:	
Other Materials:	
Formation Top Depth:	11
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931069427
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01
Most Common Material:	FILL
Mat2:	28
Other Materials:	SAND
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	10598471
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930087230
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	15
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Water Details

Water ID:	933488022
Layer:	1

Kind Code:	5
Kind:	Not stated
Water Found Depth:	4
Water Found Depth UOM:	ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1524618	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Cooling And A/C	***Date Received:***	6/21/1990
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	5222
Casing Material:		***Form Version:***	1
Audit No:	84331	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10046366	***Elevation:***	
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/13/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931058527
Layer:	3
Color:	8
General Color:	BLACK
Mat1:	17
Most Common Material:	SHALE
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	12
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931058526
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 08
Other Materials: FINE SAND
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931058525
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10594936
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081182
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 1522709
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src: 1
Date Received: 10/26/1988

Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 27039
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044519
DP2BR: 23
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/25/1988
Remarks:
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: 931052358
Layer: 3
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 95
Formation End Depth: 123
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931052357
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:

Formation Top Depth: 23
Formation End Depth: 95
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931052356
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 23
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10593089
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077854
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077853
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522709
Pump Set At:

Static Level: 20
Final Level After Pumping: 70
Recommended Pump Depth: 70
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 15
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: N

Draw Down & Recovery

Pump Test Detail ID: 934656258
Test Type:
Test Duration: 45
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386882
Test Type:
Test Duration: 30
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905075
Test Type:
Test Duration: 60
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111038
Test Type:
Test Duration: 15
Test Level: 70
Test Level UOM: ft

Water Details

Water ID: 933480704
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 118
Water Found Depth UOM: ft

Water Details

Water ID: 933480703
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95
Water Found Depth UOM: ft

Site:
lot 7 ON

Database:
WWIS

Well ID:	1522583	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/27/1988
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	38250	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GLOUCESTER TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	007
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10044395	***Elevation:***	
DP2BR:	69	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	8/13/1988	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931051956
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Other Materials:	PACKED
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931051959
Layer:	4
Color:	2

General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Other Materials: GRAVEL
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 55
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051957
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 4
Formation End Depth: 13
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051958
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 13
Formation End Depth: 55
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931051960
Layer: 5
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 69
Formation End Depth: 100
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10592965
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077635
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 74
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077636
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991522583
Pump Set At:
Static Level: 20
Final Level After Pumping: 50
Recommended Pump Depth: 60
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 5
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: N

Draw Down & Recovery

Pump Test Detail ID: 934110919
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656138
Test Type: Draw Down
Test Duration: 45
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904535
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386344
Test Type: Draw Down
Test Duration: 30
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 933480534
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 93
Water Found Depth UOM: ft

Water Details

Water ID: 933480533
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1522283
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 25126
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 5/17/1988
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10044096	***Elevation:***	
DP2BR:	82	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	4/15/1988	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931050812
Layer:	3
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Other Materials:	LOOSE
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050813
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	68
Formation End Depth:	82
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931050814
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth: 82
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050811
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050810
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Other Materials: PACKED
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10592666
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077120
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930077119
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	83
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991522283
Pump Set At:	
Static Level:	12
Final Level After Pumping:	50
Recommended Pump Depth:	60
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	5
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:	N

Draw Down & Recovery

Pump Test Detail ID:	934655043
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934109811
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934385794
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903458
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933480113
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	84
Water Found Depth UOM:	ft

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

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2019

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-Oct 2018

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-Jan 31, 2020

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 2017

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: Feb 28, 2017

Chemical Register: 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

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 - Feb 2020

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-Nov 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Mar 31, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

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-Apr 30, 2020

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-Mar 31, 2020

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-Apr 30, 2020

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-Jan 31, 2020

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: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

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: Feb 28, 2017

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-Nov 2019

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: May 31, 2018

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: Feb 28, 2017

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-Jan 31, 2020

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 2017

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 in 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: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

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-Jan 2020

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, 2018

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-Apr 2018

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-Dec 31, 2019

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: 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.

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-Feb 29, 2020

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-Jun 2019

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 all 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-Mar 31, 2020

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: 1988 - Apr 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 in 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, 2017

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 all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Mar 31, 2020

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: 1986-2016

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).

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2020

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-Jan 31, 2020

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

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-Aug 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all 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. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

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-Aug 2018

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, 2017

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-Apr 30, 2020

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: Feb 28, 2019

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

Mandy Witteman, B.Eng., M.A.Sc.

patersongroup

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present
Paterson Group Inc.
Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015
Thurber Engineering Limited
Oil Sand Tailings Group
Tailings Engineer

2009 – 2014
Carleton University
Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009
SLR Consulting Limited
Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

Mark S. D'Arcy, P. Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present
Paterson Group Inc.
Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

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