Phase One Environmental Site Assessment
5924 Hazeldean Road, Ottawa, Ontario

Client:
GNCR Developments Inc.
521 Kilspindie Ridge
Ottawa, Ontario
K2J 5M8

Project Number:
OTT-00250806-A0

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Reviewed By: Mark McCalla, P. Geo.

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Type of Document:
Final

Date Submitted:
February 21, 2019

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Date Submitted:
February 21, 2019

Legal Notification

This report was prepared by EXP Services Inc. for the account of **GNCR Developments Inc.**

Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. EXP Services Inc. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this project.

Executive Summary

EXP Services Inc. (EXP) was retained by GNCR Developments Inc. to complete a Phase One Environmental Site Assessment (ESA) of the property located at 5924 Hazeldean Road in Ottawa, Ontario. The purpose of this Phase One ESA was to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. EXP understands that GNCR Developments Inc. plans to re-develop the land as medium density residential. Consequently, this Phase One ESA will be used in support of the City of Ottawa Site Plan Approval permitting requirements and a Record of Site Condition (RSC) is not required.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Section 8 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

A written response from some regulatory agencies typically requires several months to receive. If upon receipt of the response from the regulatory agencies, significant environmental issues are identified, EXP will forward their response to the client as an addendum to this report.

The Phase One property is currently an unoccupied and undeveloped lot and has an area of 0.49 hectares. It is located at the southwest corner of the intersection of Hazeldean Road and Victor Street. It is legally described as *Concession 11 Part of Lot 26, Corner; Hazeldean Rd & John St.* The property identification number is 044620476. At the time of the investigation, the property was snow-covered, but is assumed to have been grass covered. The Phase One property has remained undeveloped since at least 1945.

The surrounding area of the Phase One property was observed to be vacant former retail gasoline sales outlet to the west (5938 Hazeldean Road), main street commercial to the north and northeast, and residential to the southwest, south, and east and south. No environmentally sensitive activities or infrastructures on the surrounding properties, present any environmental concerns to the Phase One property. Observations pertaining to the adjacent properties were made from the boundaries of the Phase One property.

Topographically, the Phase One property is relatively flat. The surrounding area has a downwards slope towards the east. The closest body of water is Poole Creek, located approximately 500 m east of the Phase One property. Regional groundwater flow direction is inferred to be in the eastern direction.

Based on the results of the Phase One ESA completed at 5924 Hazeldean Road in Ottawa, EXP has identified the following areas of potential environmental concern:

Table EX-1: **Areas of Potential Environmental Concern**

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contaminants of Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
1. Potential contamination from a former retail gasoline sales outlet and service garage located at 5938 Hazeldean Road	West part of Phase One property	#28: Gasoline and Associated Products Storage in Fixed Tanks #27: Garages and Maintenance and Repair	Off-Site, adjacent to the west	Petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylenes (BTEX), volatile organic compounds (VOCs), lead	Soil and groundwater

Based on the findings of the Phase One ESA, a Phase Two ESA is required to assess the soil and groundwater conditions at the Phase One property.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

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1. Introduction

EXP Services Inc. (EXP) was retained by GNCR Developments Incorporated to complete a Phase One Environmental Site Assessment (ESA) of the property located at 5924 Hazeldean Road in Ottawa, Ontario. A site location plan is presented on Figure 1 in Appendix B. At the time of the investigation, the Phase One property was owned by the client.

Owner Contact: Mr. Carmine Zayoun
GNCR Developments Inc.
521 Kilspindie Road
Ottawa, Ontario K2J 6A2

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. The scope of report and third-party reliance are outlined in Appendix A.

1.1 Objective

The purpose of this Phase One ESA was to determine if past or present site activities have resulted in actual or potential contamination at the Phase One property. EXP understands that GNCR Developments Incorporated plans to re-develop the land as medium density residential. Consequently, this Phase One ESA will be used in support of the City of Ottawa Site Plan Approval permitting requirements and a Record of Site Condition (RSC) is not required.

1.2 Phase One Property Information

The Phase One property is currently an unoccupied and undeveloped lot and has an area of 0.49 hectares. It is located at the southwest corner of the intersection of Hazeldean Road and Victor Street. It is legally described as *Concession 11 Part of Lot 26, Corner; Hazeldean Rd & John St.* The property identification number is 044620476. At the time of the investigation, the property was snow-covered, but is assumed to have been grass covered. The Phase One property has remained undeveloped since at least 1945.

The property is currently not serviced. The adjacent neighbouring residential and commercial properties are expected to be serviced by City of Ottawa water and sewage.

Topographically, the Phase One property is relatively flat. The surrounding area has a noticeable downwards slope towards the east. Regional groundwater flow direction is inferred to be in the easterly direction towards Poole Creek, found 500 m to the east.

The approximate Universal Transverse Mercator (UTM) coordinates for the Phase One property centroid is NAD83, Zone 18T, 427724.89 m E, 5014067.53 m N. The UTM coordinates were based on an estimate derived using Google Earth™. The accuracy of the centroid is estimated to range from 5 to 50 m.

2. Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the Phase One property through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the Phase One property and surrounding properties within a 250 metre radius of the Phase One property;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Phase One property;
- Obtaining a search of land title and assessment rolls for the Phase One property;
- Conducting at least one site reconnaissance of the Phase One property and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated site representative(s) as a resource for current and historical site information, as well as to provide EXP staff with unrestricted access to all areas of the Phase One property and site buildings (as required by O.Reg 153/04);
- Reviewing the current use of the Phase One property and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the Phase One property; and,
- Preparing a report to document the findings.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses, or monitoring.

EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

EXP personnel who conducted assessment work for this project included Carl Hentschel, P. Eng. and Mark McCalla, P. Geo. An outline of their qualifications is provided in Appendix A.

3. Records Review

3.1 Phase One ESA Study Area Determination

The Phase One ESA study area consisted of the neighbourhood and extending a distance of 250 metres from the Phase One property. Surrounding properties consist of single family residential to the south, and main street commercial to the north, east and west. A site plan is presented as Figure 2 in Appendix B.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, chain of title for the property, historical maps, and other records review, it appears that the Phase One property has not been developed. The property has been undeveloped land since at least 1945.

3.3 Fire Insurance Plans

A search of The Catalogue of Canadian Fire Insurance Plans 1875 – 1975 (Catalogue) was conducted to determine if fire insurance plans for the Phase One property existed. No fire insurance plans exist for the Phase One property or surrounding area.

3.4 Chain of Title

A chain of title was obtained from Read Abstracts Inc. for the Phase One property. Based on the information gathered from the title search, the following was found:

According to the title search 10877590 Canada Inc. is the owner of the Phase One property since October 2018. Prior to 2018, the Phase One property changed hands eleven (11) times dating back to November 1867. The Phase One property had private ownership from 1867 to 1983. Since 1983, the site has been owned by three (3) numbered companies. No notable environmental concerns were identified based on the title search. Refer to Appendix C for the title search.

3.5 Previous Reports

The following previous reports were provided to EXP for review.

- *Geotechnical Investigation, Site of Proposed amber Centre, Victor Street at Hazeldean Road, Township of Goulbourn, Ontario*, dated august 11, 1994, prepared by John D. Patterson and Associates Ltd.

  The report details the advanced and sampling of nine (9) test pits on the Phase One property. The soil consisted of silty sand. The depth to bedrock varied from 0.25 to 1.5 m below surface grade. Weather limestone encountered was encountered in all test pits.

- *Phase I - Environmental Site Assessment, Vacant Property, 5924 Hazeldean Road, Ottawa, Ontario*, dated November 21, 2006, prepared by Paterson Group Inc.

  The report indicated that the adjacent former retail gasoline sales outlet to the west was considered a potential environmental concern. A single borehole was advanced on November 1, 2006 along the Phase One property's western boundary; this was advanced to a depth of 9.3 m from surface grade using a truck-mounted drilling rig and finished as a groundwater monitoring well. No soil sample was submitted for analysis as there was no overburden at this sample site.

The groundwater sample collected on November 15, 2006 was submitted for laboratory analysis and no petroleum hydrocarbons or benzene, toluene, ethylbenzene, xylenes (BTEX) were reported. No details on well construction, purging or the sampling method were found within the report.

3.6 Regulatory Environmental Source Information

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions. EXP did not identify the need to contact any federal agencies.

The following agencies were contacted:

- The Ontario Ministry of the Environment, Conservation, and Parks (MECP) Freedom of Information, Protection of Privacy Office; and,
- The City of Ottawa.

Written responses from the regulatory agencies and copies of the requests are included in Appendix C.

3.6.1 Ontario Ministry of the Environment, Conservation, and Parks Records

Records pertaining to the Phase One property were requested from the MECP through the *Freedom of Information and Protection of Privacy Act* (FOI). A response has not yet been received. A copy of the request is provided in Appendix C.

- On December 18, 2018, the MECP Environmental Bill of Rights (EBR) registry website was searched by ERIS for postings in the vicinity of the Phase One property using 250 m radius. No areas of potential environmental concern were identified.
- On December 18, 2018, the MECP Hazardous Waste Information Network (HWIN) database was searched by ERIS for registered waste generators in the vicinity of the Phase One property. No postings were listed.
- On December 18, 2018, the MECP Brownfields Registry website was searched by ERIS for postings of Records of Site Condition (RSC). No postings for the Phase One property or for the surrounding properties were listed.

3.6.2 Municipal Records

3.6.3.1 City Hall Records

A request for the Phase One property was made to the City of Ottawa for the Hazardous Land Use Index (HLUI). A response (received January 30, 2019) from the City indicated that there were no records for the Phase One property. A gasoline retail outlet and service garage were identified on the property to the west (5938 Hazeldean Road) from 1997 to 2005. This PCA contributes to APEC 1 on the west part of the Phase One property. A copy of the reply is provided in Appendix C.

3.6.3.2 City of Ottawa Site Development Application Database

A review of the Site Development Application Database was conducted on January 2, 2019 for the Phase One property and the surrounding area. These entries contain an on-line record of plans and reports submitted to the City for approval prior to building permits being issued. These reports are available as part of the public record.

As part of the development plan submitted to the City of Ottawa, a Phase I and II ESA was completed for the 5943 Hazeldean Road property (located 100 m to the west).

- Paterson Group Inc.; February 11, 2014; *Phase I-II Environmental Site Assessment, Vacant Property, 5943 Hazeldean Road, Ottawa, Ontario.*

This report identified the former automotive service garage/retail gasoline sales outlet at 5938 Hazeldean Road as a potentially contaminating activity (PCA). Three boreholes, equipped as monitoring wells, were advanced on the *5943 Hazeldean Road* property. None of the soil and groundwater samples collected and analysed were found to have concentrations of petroleum hydrocarbons and volatile organic compounds (VOCs) above the laboratory detection limit. Therefore, no soil or groundwater impact was identified a that site.

3.6.3 City Directory Search

EXP reviewed city directories dating from 1992 to 2011 from an ERIS search of Vernon's Ottawa in order to identify the occupancy history of the Phase One property and neighbouring properties for potential environmental concerns. A copy of the directory search is included in Appendix D. The following table summarizes the directory search for pertinent properties within 250 m of the Phase One property.

Table 1: City Directory Search

Address	Direction from Site	Year	Occupant	Concern (yes/no)
5924 Hazeldean Road	Phase One property	1992 – 2011	No listing	No
5872 Hazeldean Road	150 m to the northeast	2006	West End Auto	No (based on distance and topography)
5899 Hazeldean Road	90 m to northeast	2006-2011	Mr. Gas	No (based on distance and topography)
5900 Hazeldean Road	70 m to the east	1992-1996	Tip Limousine Service Tommey Photography	No
5927 Hazeldean Road	20 m to the northwest	2011	Kodiak Snow Blowing Inc.	No (short timeframe and distance)
5933 Hazeldean Road	30 m to the west	1992-2011	Cantusci Enterprises/Upholstery	No
		1996-2001	Bob's Big Scoop	No
5938 Hazeldean Road	Adjacent to west	1996-2006	Hazeldean Auto Service Incorporated	PCA 1
		2006	Saab Gas Center	

Address	Direction from Site	Year	Occupant	Concern (yes/no)
5977 Hazeldean Road	240 m to southwest	1992-2001	Love Printing	No (based on distance)
		2001-2011	Smith Packaging Inc. Trillium Converting Corp	No
		2011	NCI Cabling Network Abbotsford Moving and Storage Hytec Products Electric Ltd.	
7 Savage Avue	230 m northwest from Phase One property	1992-2001	Kanata Small Engine Repair	No (based on distance and topography)

Based on a review of the city directories, the auto service center at 5938 Hazeldean Road and the retail gasoline sales outlet and repair garage at 5899 Hazeldean Road were identified as PCAs.

3.6.4 Land Use Documents

A review of the following publications was carried out as part of this Phase One ESA:

- Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario (Golder Associates, October 2004);
- Inventory of Coal Gasification Plant Waste Sites in Ontario (Intera, April 1987);
- Mapping and Assessment of Former Industrial Sites – City of Ottawa (Intera, July 1988); and,
- Ontario Inventory of PCB Storage Sites (Ontario Ministry of the Environment; 1993).

3.6.5 Old Landfill Management Strategy Phase 1 – Identification of Sites - Golder (2004)

No former landfills were identified within 250 m of the Phase One property. In addition, there is no visual evidence of a landfill in the area.

3.6.6 Inventory of Coal Gasification Plant Waste Sites in Ontario - Ontario MOECP (1987)

There were no coal gasification plants identified within 250 m of the Phase One property.

3.6.7 Mapping and Assess Former Industrial Sites – Intera (1988)

There are no Intera sites identified within 250 m of the Phase One property.

3.6.8 Ontario Inventory of PCB Storage Sites - Ontario MOECP (1993)

No records pertaining to PCB storage sites were identified within 250 m of the Phase One property in this document.

3.7 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the Phase One property and properties within 250 metres of the Phase One property was conducted by EcoLog Environmental Risk Information Services (or EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix D.

Based on a review of the EcoLog search, the following pertinent listings were identified:

- The adjacent property to the west (5938 Hazeldean Road) had eight listings pertaining to its use as a retail fuel outlet and propane refilling station. This included having four single wall underground fuel tanks installed in 1990, with capacities of 36000 L, 13600 L, 9000 L, and 9000 L. (PCA 1)
- Three spill response reports pertaining to a breach of an underground natural gas pipeline at the corner of Hazeldean Road and Victor Street on December 2, 2010. Based on the gaseous nature of the loss, this is not considered a PCA.
- Two spill response reports pertaining to a breach of an underground natural gas pipeline at the 0-12 Victor Street on May 12, 2009. Based on the gaseous nature of the loss, this is not considered a PCA.
- A Waste Generator listing (aromatic solvents) for Frank Cantusci Upholstery at 5933 Hazeldean Road. This is not considered a PCA based on the small volumes involved.

None of the remaining listings in the study area represent PCAs.

3.8 Physical Setting Review

3.8.1 Aerial Photographs

The following table summarizes the development and land use history of the Phase One property and adjacent properties as depicted on the reviewed aerial photographs. These photographs are found in Appendix E.

Table 2: Development and Land Use History Summary

Aerial Photograph (year)	Details
1945	The Phase One property and surrounding properties appear to be undeveloped and being used as agricultural fields. Both Hazeldean Road and Johnwoods Street appear along their present-day routes just to the north.
1955	There are no changes on the Phase One property and surrounding properties. Residential housing now appears along Johnwoods Street to the north.
1965	The Phase One property continues to appear to be undeveloped. The adjacent property to the west has been completed with a retail gasoline sales outlet (PCA 1). Other buildings also appear along Hazeldean Road, starting at the intersection with Johnwoods Street and continuing eastward.
1976	The Phase One property continues to appear to be undeveloped.

Aerial Photograph (year)	Details
	A retail gasoline sales outlet is visible approximately 110 m to the northeast, on the north side of Hazeldean Road (PCA 2). A large warehouse building is now visible 200 m to the southwest along Hazeldean Road.
1991	The Phase One property continues to appear to be undeveloped. Residential sub-divisions are now visible to the north, west, south, and east of the subject site. Victor Street, adjacent to the east, is now visible. A large commercial building is now visible across Hazeldean Road from the Phase One property.
2002	The Phase One property remains unchanged. The warehouse building to the west has been expanded.
2011	The Phase One property remains unchanged. The property 90 m to the west along the north side of Hazeldean Road has been with a small commercial building.
2017	The Phase One property e remains unchanged. The property 100 m to the west along the north side of Hazeldean Road has been expanded with a retail gasoline sales outlet (PCA 3) and a second commercial building.

Based on the review of the aerial photography, three PCAs were identified. These included the adjacent retail gasoline sales outlet and service garage to the west (PCA 1), the retail gasoline sales outlet located 110 m to the northeast (PCA 2), and the retail gasoline sales outlet located 100 m to the west (PCA 3).

3.8.2 Geology, Hydrogeology and Topography

The following information sources were reviewed to determine the nature of the subsurface materials at the Phase One property:

1. *1508A Generalized Bedrock Geology, Ottawa-Hull* –Geological Survey of Canada. Scale 1:125,000. 1976.
2. *1425A Surficial Material and Terrain Features, Ottawa* – Geological Survey of Canada. Scale 1:125,000. 1972.
3. Ontario Geotechnical Boreholes – Electronic Resource.
4. MOE Water Well Records – Electronic Resource.
5. Department of Natural Resources, Topographic Mapping. Electronic Resource.

Based on review of the above information, the Phase One property is located in the physiographic region known as the Ottawa Formation. The bedrock in the general area is a limestone with shaley partings. With respect to surficial geology, beneath any fill, the Phase One property is underlain by shallow veneer (less than 5 m) of till.

The local topography of the Phase One property relatively flat. The area around the Phase One property was observed to be on a downward slope towards the east. Regional groundwater flow direction to be in the eastern direction Poole Creek (approximately 500 m to the east of the Phase One property).

3.8.3 Fill Materials

Significant amounts of fill are not present at the Phase One property. The Phase One property is along the same topography when compared to the neighbouring properties.

3.8.4 Water Bodies and Areas of Natural Significance (ANSI)

There were no water bodies on the Phase One property. The nearest surface water body to the Phase One property is Poole Creek at 500 m. The Phase One property is not located in close proximity to an ANSI, according to the Ministry of Natural Resources Natural Heritage website.

Based on previously reported information, groundwater flow is to the east toward Poole Creek.

3.8.5 Well Records

Local MECP water wells records show that bedrock was found within 6 m from surface. The overburden consists of a dense silty till. Bedrock in the area was found to be limestone.

3.9 Site Operating Records

No site operating records were available for review.

3.10 Summary of Records Review

Based on a review of the available records, the adjacent property at 5938 Hazeldean Road is considered a PCA. This property hosted operations as a retail gasoline sales outlet and automotive repair garage from at least 1996 and is presently untenanted. Potential contaminants of concern (PCOC) include petroleum hydrocarbons (PHCs), volatile organic compounds (VOCs), and lead.

A second retail gasoline sales outlet at 5899 Hazeldean Road, as well as a recently built third retail gasoline sales outlet at 5943 Hazeldean Road, are also identified as PCAs and have the same PCOCs.

4. Interviews

Interviews were attempted by EXP with any individuals identified to be the most knowledgeable about both the current and historical site uses. The purpose of interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the Phase One property.

No knowledgeable individual was identified to be interviewed during the completion of this Phase One ESA.

5. Site Reconnaissance

5.1 General Requirements

On December 18, 2018, Mr. Carl Hentschel, P.Eng., PMP of EXP conducted the site visit for the property. The site visit was conducted in accordance with EXP's internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Phase One property.

The general environmental management and housekeeping practices at the Phase One property were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of EXP's investigation.

Observations of the subject property and surrounding properties were conducted. The exterior observations were recorded by walking over the grounds at approximately 10:00 am. The temperature was approximately -10° C and sunny. Adjoining properties were observed from within the grounds of the Phase One property.

Mr. Hentschel was unaccompanied during the site visit. Photographs were taken at the Phase One property on December 18, 2018 and are included in Appendix F.

5.2 Specific Observations at Phase One ESA Property

5.2.1 Site Description and Buildings

The Phase One property is currently unoccupied and undeveloped. At the time of the investigation, the Phase One property was snow-covered but assumed to mostly un-landscaped grass.

The adjacent properties are anticipated to be municipally serviced by City of Ottawa water and sewer.

5.2.2 Heating and Cooling Systems

There were no heating or cooling systems associated with the Phase One property.

5.2.3 Site Utilities and Services

The Phase One property was not connected to any utilities. The utilities and services identified in the general area are summarized in the table below:

Table 3: Summary of Utilities in General Area

Utility	Source
Potable Water	Municipal system
Natural Gas	Enbridge
Sanitary System	Municipal system
Storm Water	Municipal system (road side catch basins)
Electricity	Hydro Ottawa

5.2.4 Site Use

At the time of the investigation, the Phase One property was unoccupied and undeveloped.

5.2.5 Drains, Pits and Sumps

No sumps, pits, or drains were observed on the Phase One property. Two manholes related to underground service were observed on the eastern fringe of the Phase One property.

5.2.6 Storage Tanks

5.2.6.1 Underground Storage Tanks

EXP did not observe any underground storage tanks (UST) during the site reconnaissance. No visual evidence such as fill / vent pipes, levelometers or oil fill lines associated with USTs were observed at the Phase One property.

5.2.6.2 Aboveground Storage Tanks

EXP did not observe any aboveground storage tanks (AST) during the site reconnaissance. No visual evidence such as cradles or support slabs were observed at the Phase One property.

5.2.7 Chemical Storage and Handling and Floor Condition

No chemicals were observed at the Phase One property.

5.2.8 Areas of Stained Soil, Pavement or Stressed Vegetation

Areas of stained soil, pavement or stressed vegetation were difficult to ascertain due to snow coverage.

5.2.9 Fill, Debris and Methane

The Phase One property is similar in elevation to the surrounding properties. It is anticipated that fill was not imported to the Phase One property. There are no sources of methane at the surface of the Phase One property.

5.2.10 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOECC. According to the Environmental Protection Act (EPA), a Certificate of Approval (CofA) (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29th, 1988. Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a CofA was added to the EPA. Unless explicitly exempted, most industrial processes or modifications to industrial processes and equipment require a CofA. The EPA provides a list of specific equipment and conditions, which are exempt from CofA (Air) requirements (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

No air emissions concerns were identified at the time of the site visit.

5.2.11 Odours

No strong odours were detected during the site visit.

5.2.12 Noise

No excessive noise was detected during the site visit.

5.2.13 Special Attention Items, Hazardous Building Materials and Designated Substances

5.2.13.1 Asbestos

Asbestos-containing materials (ACMs) are fibrous hydrated silicates, and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos, which is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACMs in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACMs was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

No suspected asbestos containing materials were observed during the site visit.

5.2.13.2 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

No suspected lead containing materials were observed during the site visit.

5.2.13.3 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove “interior uses” from their product labels.

No suspected mercury containing equipment was observed during the site visit.

5.2.13.4 Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCBs-containing equipment on the Phase One property. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCBs must be disposed in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCBs is permissible.

A review of the Phase One property was conducted to evaluate the potential presence of PCBs-containing equipment in use or stored at the Phase One property.

No potential sources of PCBs were observed during the site visit.

5.2.13.5 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets and fabrics, and it contributes to "that new house smell."

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. Most installations occurred between 1977 and the further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit.

5.2.13.6 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerel's per cubic metre (Bq/m^3). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m^3 in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

Based on local well records and geologic investigations, the bedrock underlying the Phase One property is limestone. Based on the rock type, radon gas is not considered a concern.

5.2.13.7 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow it requires a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) combined with moist conditions. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled “mould guidelines for the Canadian construction industry” and the Environmental Abatement Council of Ontario (EACO) guidelines titled “EACO Mould Abatement Guidelines, Edition 2 (2010).”

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

No mould issues were identified during the site visit.

5.2.13.8 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Phase One property at the time of this Phase One ESA.

5.2.14 Processing and Manufacturing Operations

No processing or manufacturing operations were observed or reported to have been conducted at the Phase One property.

5.2.15 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Phase One property.

5.2.16 Vehicle and Equipment Maintenance Areas

Vehicle and equipment maintenance areas were not observed at the Phase One property.

5.2.17 Oil/Water Separators

No oil water separators are present at the Phase One property.

5.2.18 Sewage and Wastewater Disposal

No sewage or wastewater was generated at the Phase One property.

5.2.19 Solid Waste Generation, Storage & Disposal

No solid wastes were generated at the Phase One property.

5.2.20 Liquid Waste Generation, Storage & Disposal

No liquid wastes were generated at the Phase One property.

5.2.21 Unidentified Substances

No unidentified substances were observed on the Phase One property at the time of the site visit. No dumping or any other deleterious materials were identified.

5.2.22 Hydraulic Lift Equipment

No hydraulic equipment was observed the Phase One property.

5.2.23 Mechanical Equipment

No mechanical equipment of concern was present on the Phase One property.

5.2.24 Abandoned and Existing Wells

No drinking water well is located on the Phase One property.

5.2.25 Roads, Parking Facilities and Right of Ways

Access to the Phase One property is via Victor Street.

5.3 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the Phase One property was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Phase One property. Refer to Figure 2 in Appendix B for the adjacent land uses.

The following land uses border the subject property:

- North: Hazeldean Road followed by main street commercial and residential;
- West: Boarded up former Petro-Canada service station (5938 Hazeldean Road; PCA 1) followed by main street commercial. An Ultramar retail gasoline sales outlet is located 5943 Hazeldean Road, approximately 110 m to the west (PCA 2);
- East: Main Street Commercial properties. This includes a Mr. Gas retail gasoline sales outlet at 5899 Hazeldean Road, located 80 m to the northeast (PCA 3); and,
- South: Single Family Residential.

Based on the observations, the following nearby properties are considered to have potential to have caused environmental concern to the Phase One property.

TABLE 4: Surrounding Properties of Interest

PCA	Property	Location	Concern
1	5938 Hazeldean Road Untenanted property (APEC 1)	-Adjacent to west -Upstream in terms of groundwater flow direction	Former gas station and auto repair garage of older vintage found adjacent and up-stream in terms of assumed groundwater flow direction (APEC 1).
2	5943 Hazeldean Road Ultramar	-110 m to west, across Hazeldean Road -Upstream in terms of groundwater flow direction	Recent vintage gasoline station found at far side of 4 lane roadway at a significant distance. Not considered a concern due to intervening distance and recent construction.
3	5899 Hazeldean Road Mr. Gas	-80 m to northeast, across Hazeldean Road -Downstream in terms of groundwater flow direction	Gasoline station found at far side of 4 lane roadway at significant distance, and downstream in terms of assumed groundwater flow direction. Not considered a concern due to intervening distance and being down-gradient.

5.4 Summary of Site Reconnaissance

Based on the site reconnaissance of the Phase One ESA, the adjacent former retail gasoline sales outlet is located in close proximity to the Phase One property and is considered to be an area of potential environmental concern (APEC 1).

6. Phase One ESA Conceptual Site Model

6.1 Current and Past Uses

Based on a review chain of title information, air photos, and other records, the Phase One property had never been developed.

6.2 Summary of Potentially Contaminating Activities

As per Ontario Regulation (O.Reg.) 153/04 (as amended), a Potential Contaminating Activity (PCA) is defined as one of fifty-nine (59) industrial operations set out in Table 2 of Part IV that occurs or has occurred in a Phase One study area. The following PCAs were identified:

- PCA 1 – 5938 Hazeldean Road – Former retail gasoline sales outlet and service garage, located adjacent to west of the Phase One property. (PCA#27 – Garages and Maintenance and Repair, PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks).
- PCA 2 – 5943 Hazeldean Road – Retail gasoline sales outlet built in 2015, located adjacent to 110 m west of the Phase One property. (PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks). Based on intervening distance and short time frame, this is not considered an APEC.
- PCA 3 – 5899 Hazeldean Road – Retail gasoline sales outlet, located adjacent to 80 m to the northeast of the Phase One property. (PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks). Based on intervening distance and being downslope in terms of the assumed direction of groundwater flow, this is not considered an APEC.

No other PCAs that took place within the vicinity of the Phase One property (approximately 250 m radius) were identified.

6.3 Areas of Potential Environmental Concern

As a result of the PCAs, the report identified the following APECs at the Phase One property:

- APEC 1 – (western part of Phase One property) Contaminated groundwater. This APEC is associated with PCA 1. The potential contaminants of concern include PHC, BTEX, VOCs, and lead.

It is noted that any significant uncertainty or absence of information has the ability to affect the Phase One Conceptual Site Model. However, based on the information and findings presented within the Phase One ESA, it is EXP's opinion that any uncertainty would be minimal, and it would not alter the validity of the model presented above.

6.4 Site Characteristics

In order to develop a conceptual model for the Phase One property and surrounding study area, the following physical characteristics and pathways were considered. A conceptual site model showing the inferred groundwater flow direction and general site is shown in Figure 3 in Appendix B.

6.4.1 Subsurface Stratigraphy

Local MECP water wells records show that bedrock was found within approximately 6 m from surface. The overburden consists of a dense silty till. Bedrock in the area is limestone.

6.4.2 Estimated Groundwater Flow Direction

Topographically, the Phase One property relatively flat with a downwards slope towards the east. Regional groundwater flow direction is to be in the eastern direction towards Poole Creek.

6.4.3 Underground Utilities

Currently, the Phase One property is not connected to any utilities.

7. Findings and Recommendations

Based on the results of the Phase One ESA completed at 5924 Hazeldean Road in Ottawa, EXP has identified the following areas of potential environmental concern:

Table 7-1: **Areas of Potential Environmental Concern**

Area of Potential Environmental Concern (APEC)	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contaminants of Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
1. Potential contamination from a former retail gasoline sales outlet and service garage located at 5938 Hazeldean Road	West part of Phase One property	#28: Gasoline and Associated Products Storage in Fixed Tanks #27: Garages and Maintenance and Repair	Off-Site, adjacent to the west	Petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylenes (BTEX), volatile organic compounds (VOCs), lead	Soil and groundwater

Based on the findings of the Phase One ESA, a Phase Two ESA is required to assess the soil and groundwater conditions at the Phase One property.

8. References

1. Canadian Standards Association; November 2001; *Z768-0 Phase I Environmental Site Assessment*.
2. Dubreuil, L. and C. Woods; 2002; *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975.*
3. Department of Energy Mines and Resources, Surveys and Mapping Branch; 1976; *Ottawa Map 31 G/5, Scale 1:50,000*.
4. Geological Survey of Canada; 1976; *Generalized Bedrock Geology* – Ottawa-Hull, Ontario-Quebec: Map 1508A.
5. Geological Survey of Canada; 1972; *Surficial Geology – Ottawa, Ontario: Map 1425A.*
6. Golder Associates Inc.; October 2004; *Old Landfill Management Strategy, City of Ottawa*.
7. Intera Technologies Ltd.; July 1998; *Mapping and Assessment of Former Industrial Sites, City of Ottawa*.
8. John D. Patterson and Associates Limited; August 11, 1994; *Geotechnical Investigation, Site of Proposed Amber Centre, Victor Street At Hazeldean Road, Township of Goulbourn, Ontario*.
9. Ministry of Labour (MOL); *Occupational Health and Safety Act*.
10. Ontario Ministry of the Environment, *Environmental Registry website (www.ene.gov.on.ca/envision/env_reg/ebr/english/index.htm)*
11. Ontario Ministry of the Environment; 1993- 2003-2004; *Ontario Inventory of PCB Storage Sites.*
12. Ontario Ministry of the Environment; *Brownfields Registry website* (www.ene.gov.on.ca/environet/BESR/index.htm)
13. Ontario Ministry of the Environment; *Hazardous Waste Information Network website* (www.hwin.ca).
14. Ontario Ministry of the Environment; November 1988; *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario.*
15. Ontario Ministry of the Environment, Waste Management Branch; June 1991; *Waste Disposal Site Inventory*.
16. Ontario Ministry of the Environment and Intera Technologies Ltd.; June 1991; *Inventory of Coal Gasification Plant Waste Sites in Ontario*;
17. Ontario Ministry of Natural Resources, Natural Heritage website (www.mnr.gov.on.ca/MNR/nhic/areas.cfm).
18. Paterson Group Incorporated; November 21, 2006; *Phase I – Environmental Site Assessment, Vacant Property, 5924 Hazeldean Road, Ottawa, Ontario*.
19. Paterson Group Incorporated; February 11, 2014; *Phase I- II Environmental Site Assessment, Vacant Property, 5943 Hazeldean Road, Ottawa, Ontario*.
20. Technical Standards and Safety Authority; May 2007; *Environmental Management Protocol for Fuel Handling Sites in Ontario*.

9. Scope of Report, and Third Party Reliance

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the Phase One property the recommendations of EXP may require re-evaluation.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to EXP by GNCR Developments Incorporated. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by GNCR Developments Incorporated. EXP has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Phase One property is found, the information should be provided to EXP so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale and in accordance with the MOE Reg. 511 standard. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to EXP by GNCR Developments Incorporated, communications between EXP and GNCR Developments Incorporated, other reports, proposals or documents prepared by EXP for GNCR Developments Incorporated in connection with the Phase One property described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. EXP is not responsible for use by any party of portions of the Report.

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The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of GNCR Developments Incorporated. No other party may use or rely upon the Report in whole or in part without the written consent of EXP. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. EXP is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where EXP has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by EXP utilize specific software and hardware systems. EXP makes no representation about the compatibility of these files with GNCR Developments Incorporated current or future software and hardware systems. Regardless of format, the documents described herein are EXP's instruments of professional service and shall not be altered without the written consent of EXP.

We trust this report satisfies your immediate requirements. If you have any questions regarding the information in this report, please do not hesitate to contact this office.

Appendices

Appendix A:
Qualifications of Assessors

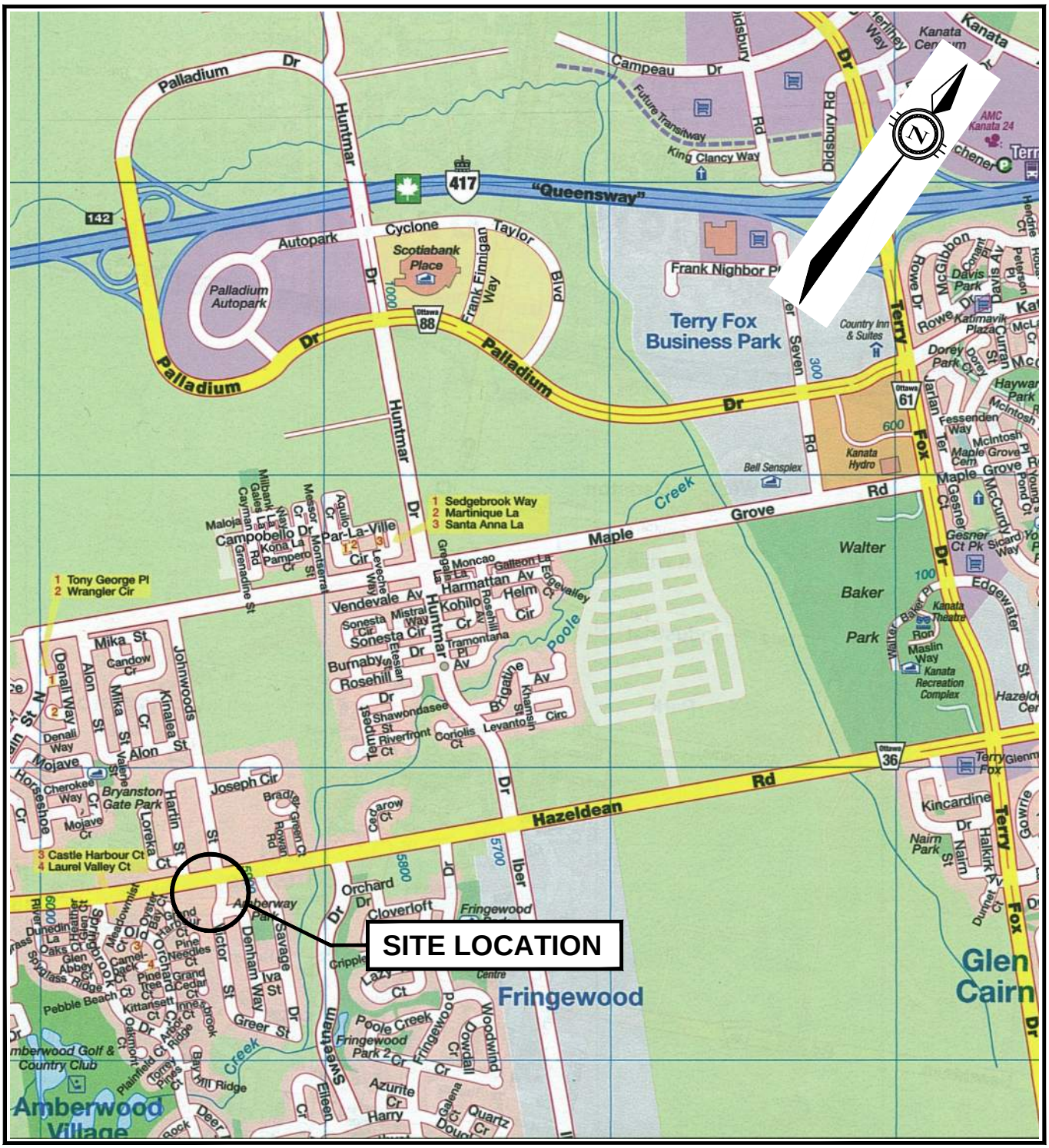
Qualifications of Assessors

EXP provides a full range of environmental services through a full-time Environmental Services Group. EXP's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

Carl Hentschel, P.Eng., PMP has 17 years of experience in the environmental consulting field working primarily in Ontario, Quebec and the northern territories. He has managed and/or completed numerous Phase I Environmental Site Assessments (ESA); Phase II ESAs, soil and groundwater remediation projects, designated substance surveys, building demolition management, environmental effects evaluations (EEE), air quality assessments, bid specification preparation, and is an experienced technical report writer and reviewer.

Mark McCalla, P.Geo., is a senior Environmental Scientist with EXP who has 29 years of experience in the environmental consulting field. His technical undertakings have including work in the following fields: Phase I and II Environmental Site Assessments; Site Specific Risk Assessments; Petroleum and chlorinated hydrocarbon contaminated sites; Soil and groundwater remediation technologies; Hydrogeological, Terrain Analysis and Aggregate Assessments; Preparation of Ontario Ministry of Environment Certificate of Approvals and Records of Site Condition. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per O.Reg 153/04

Appendix B: Figures



exp Services Inc. **www.exp.com**

t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6, Canada

DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no.: OTT-00250806-A0
DESIGN: C.H. / CHECKED: M.G.M.	TITLE: SITE LOCATION PLAN 5924 HAZELDEAN ROAD, OTTAWA, ON	scale: 1:5,000
DRAWN BY: M.N.		FIG 1

Filename: p:\projects\environmental\250000s\250806 - phase one esa 5924 hazeldean roadworking drawings\phase 1\250806-a0 fig 1 - 2.dwg
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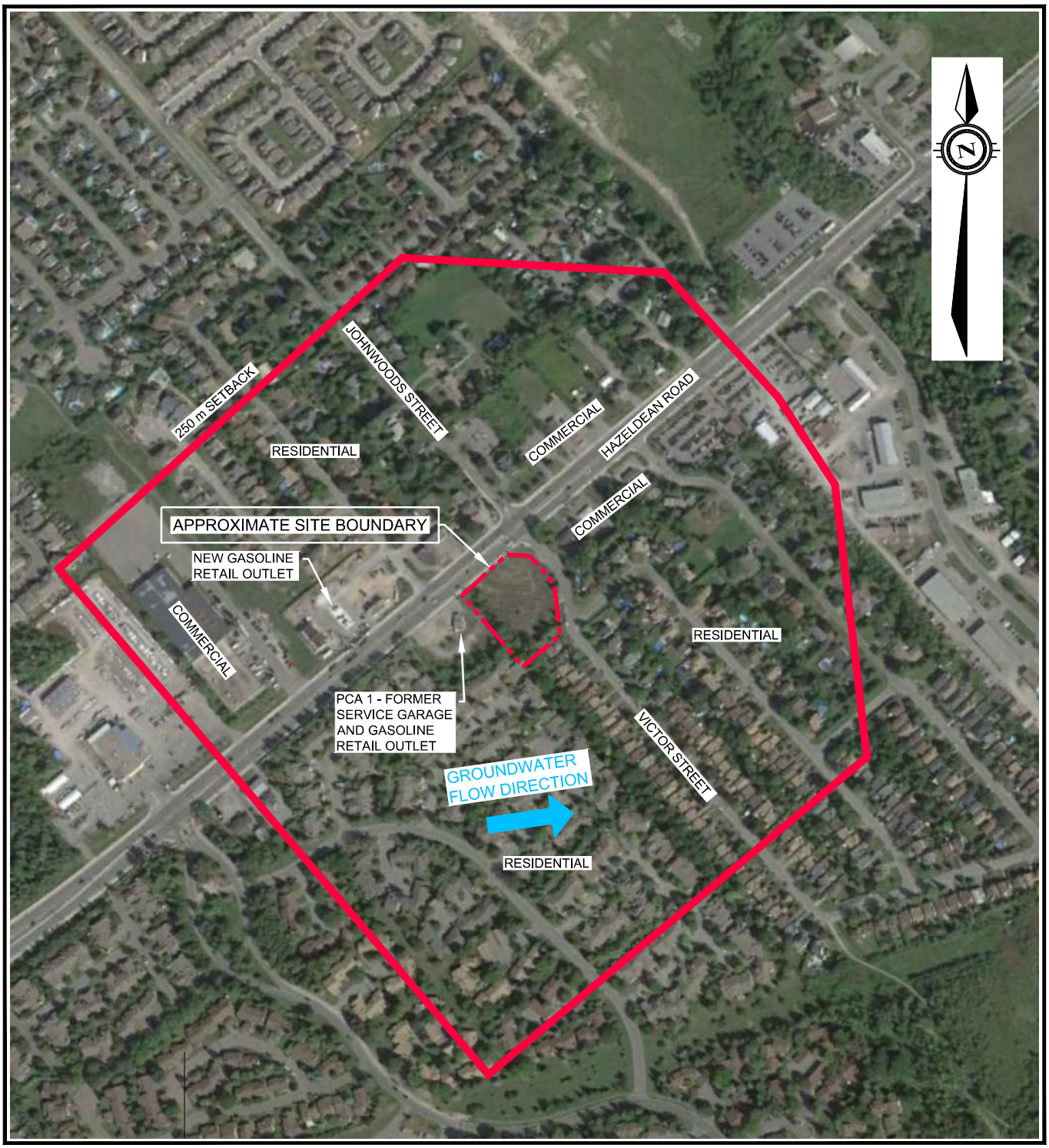

0 50m 100m 200m

HORIZONTAL 1:5000

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DATE: FEB. 2019	CLIENT: GNCR DEVELOPMENTS	project no. OTT-00250806-A0
DESIGN: C.H. / CHECKED: M.G.M.		scale 1:5,000
DRAWN BY: M.N.	TITLE: PHASE ONE ESA STUDY AREA 5924 HAZELDEAN ROAD, OTTAWA, ON	FIG 2

Filename: p:\projects\environmental\250000s\250806 - phase one esa 5924 hazeldean roadworking drawings\phase 1\250806-a0 fig 1 - 2.dwg
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0 5m 10m 30m

HORIZONTAL 1:750

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DATE: FEB. 2019	CLIENT: GNCR DEVELOPMENTS	project no.: OTT-00250806-A0
DESIGN: C.H. / CHECKED: M.G.M.		scale: 1:750
DRAWN BY: M.N.	TITLE: PCA AND APEC PLAN 5924 HAZELDEAN ROAD, OTTAWA, ON	FIG 3

Filename: p:\projects\environmental\250000s\250806 - phase one esa 5924 hazeldean roadworking drawings\phase 1\250806-a0 fig 3.dwg
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METRIC

DISTANCES AND ELEVATIONS SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

JOB BENCHMARK #1
SPIKE IN UTILITY POLE
AT NORTHWEST CORNER OF
5906 HAZELDEAN ROAD
ELEV. = 113.235

GRID NORTH

UTILITY NOTES

1. THIS DRAWING CANNOT BE ACCEPTED AS ACKNOWLEDGING ALL OF THE UNDERGROUND UTILITIES AND IT WILL BE THE RESPONSIBILITY OF THE USER TO CONTACT THE RESPECTIVE UTILITY AUTHORITIES FOR CONFIRMATION OR LOCATION.
2. UNDERGROUND UTILITIES, AS REPORTED ON THIS DRAWING, ARE NOT BASED ON AN ACTUAL 'FIELD LOCATE' BY THE RESPECTIVE UTILITY AGENCIES BUT HAVE BEEN COMPILED FROM DATA OBTAINED FROM THE FOLLOWING SOURCE:
   a) CITY OF OTTAWA PUBLIC UTILITIES REGISTRY.
3. BEFORE ANY WORK INVOLVING PRODING, EXCAVATING, ETC., A FIELD LOCATION OF UNDERGROUND PLANT BY THE PERTINENT UTILITY AUTHORITY IS MANDATORY.

TOPOGRAPHIC SURVEY OF
PART OF LOTS 25 & 26
CONCESSION 11
GEOGRAPHIC TOWNSHIP OF GOULBOURN
CITY OF OTTAWA

SCALE 1 : 250

0 5 10 20 25 metres

FAIRHALL, MOFFATT & WOODLAND LIMITED
ONTARIO LAND SURVEYORS

ELEVATION NOTES

1. ELEVATIONS SHOWN HEREON ARE REFERRED TO GEODETIC DATUM (CGVD28).
2. ELEVATIONS FOR MANHOLE COVERS HAVE TO BE INDEPENDENTLY CONFIRMED BEFORE THEY CAN BE ACCEPTED FOR FINAL DESIGN OR CONSTRUCTION PURPOSES.
3. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE JOB BENCHMARK HAS NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREE WITH THE INFORMATION SHOWN ON THIS DRAWING.

NOTES

1. BEARINGS SHOWN HEREON ARE GRID BEARINGS AND ARE DERIVED FROM NCC HORIZONTAL CONTROL MONUMENTS 019781211 (N 5017695.124, E 349387.227) AND 019781209 (N 5015107.459, E 349882.099) AND ARE REFERRED TO THE CENTRAL MERIDIAN OF ZONE 9 OF THE ONTARIO COORDINATE SYSTEM BEING 76°30' W LONGITUDE (NAD 83).
2. BOUNDARY SHOWN WAS RESET PER RECORDS OF FAIRHALL, MOFFATT & WOODLAND LTD. (REF 263–11 GOULBOURN).
3. SURVEY PERFORMED UNDER WINTER CONDITIONS AND MAY NOT REFLECT ALL FEATURES ON SITE.

LOT 26, CONCESSION 11

PART 1, PLAN 4R–22057

BLOCK 72 (0.50 RESERVE)
REGISTERED PLAN 4M–512

PART 35, 4R–5183 — LOT 35 — REG. PLAN 4M–512

PART 34, 4R–5183 — LOT 34 — REG. PLAN 4M–512

VICTOR STREET
(BY–LAW 78–86 INST. 497270)
(FORMERLY JOHN STREET PER REGISTERED PLAN 4M–512)

HAZELDEAN ROAD
(MTO PLAN P–1686–68, INST. OT1182267)
ROAD ALLOWANCE BETWEEN CONCESSIONS 11 AND 12
PIN 04487–1899

PIN 04462–0126

PART OF LOT 26
PIN 04462–0476
PART 1, PLAN 4R–7332 (REMAINDER)

PART OF LOT 25
PIN 04462–0475
PART 1, PLAN 4R–10078

BLOCK 70
(STREET WIDENING)
REGISTERED PLAN 4M–512

BLOCK 71 0.3 RESERVE
REGISTERED PLAN 4M–512
PIN 04426–0125

PART 2, PLAN 4R–10762
PART 1, PLAN 4R–10762

PART 2, PLAN 4R–10078

PART 1, PLAN 4R–5715
PIN 04462–0001

PART 2, PLAN 4R–5715

LOT 1
REG.PLAN 4M–512

PART 3, PLAN 4R–5715

PART 4, PLAN 4R–5715

CARLETON CONDOMINIUM PLAN 497
BLOCK 15497

PART 14
PLAN 4R–7091

PART 15
PLAN 4R–7091

BLOCK X
0.5 RESERVE
REGISTERED PLAN M–250
PIN 04462–0492

BLOCK E
REGISTERED PLAN M–250
PIN 04462–0736

N42°15'30"W (M) (N41°47'00"W P) 22.88 (P&S)
R=26.55 (P&S)
A=16.29
C=16.04
N24°40'25" W (M)
(N24°12'00" W P)
N07°05'20"W (M) (N06°37'00"W P)
36.96 (P&S)
N57°04'10"W (M) (N86°36'00"W P1) 19.75 (P,P1&S)
N48°10'40"E P1)
N48°09'30"E (M) (N48°37'30"E P2) 52.34 (P1&S)
73.46 (P2&S)
N 48°10'50" E (M) (N48°40'30"E P2) 73.11(P2&M)
N49°09'10"E (M) (N49°36'50"E P) 41.86 (P&S)
N41°04'00"W (M) (N40°37'00"W P,P2) (N41°02'50"W P1) 83.28(M) (83.26P)
61.92
63.42 (M) (63.45 P2)
19.86 (P1&S)
L.50 (P1&S)
N 41°23'20"W (M) (40°56'00"W P2) 63.40 (P2&S)
20.00
0.04 SOUTH
0.14m Wide Board Fence
2.0m Wide Hedge
Poured concrete wall turns to Board Fence
0.21m WIDE Wall

SIB (857)
SIB (WIT) (857)
SIB (1175)
SIB (1319)
SIB (WIT) (857)

JOB BENCHMARK #2
BOLT ON CONCRETE BASE
FOR SIGN
ELEV. = 114.650

1 Storey
Metal Siding
5938

Concrete Sidewalk
Concrete Pad For Bus Shelter
Bus Sign
SIGN
METAL SIGN
Traffic Box
JB (wood post)

MEDIAN
TRAFFIC
360 mm SANITARY SEWER
2400x1800mm STORM SEWER
150mm GAS
200mm WATERMAIN
50mm GAS
GV
BELL (2011)
ROGERS
TL
TRAFFIC LIGHT
BP
UP
LS
HO
HYDRO
BELL
ROGERS
250mm SANITARY SEWER
375 mm STORM SEWER
375mm STORM SEWER
300mm WATERMAIN
2400mmX1800mm STORM SEWER
300mm SANITARY SEWER
525mm STORM SEWER
525mm STORM SEWER
300mm WATERMAIN
750mm WATERMAIN
203mm WATERMAIN
450mm SANITARY SEWER
150mm GAS
MH (Sanitary)
WMH
WV
MH (Storm)
CB
MH TEST
MH
BH
BR

LEGEND

■	– SURVEY MONUMENT FOUND
SIB	– STANDARD IRON BAR
SSIB	– SHORT STANDARD IRON BAR
(WIT)	– WITNESS
(857)	– FAIRHALL, MOFFATT & WOODLAND LTD., O.L.S. (REF. 162(B)–11 GOULBOURN) (REF. 263–11 GOULBOURN)
(1319)	– W.J.WEBSTER, O.L.S
PIN	– PROPERTY IDENTIFIER NUMBER
(P)	– PLAN 4R–7332
(P1)	– PLAN 4R–10762
(P2)	– PLAN 4R–10078
(S)	– SET
(M)	– MEASURED
CB	– CATCHBASIN
GV	– GAS VALVE
LS	– LAMP STANDARD
UP	– UTILITY POLE
←	– GUY WIRE AND ANCHOR
BR	– BIKE RACKS
WV	– WATER VALVE
WVMH	– WATER VALVE MANHOLE
MH TEST	– MANHOLE TEST
JK	– JUNCTION BOX
MH	– MANHOLE
WMH	– WATER MANHOLE
—S—	– SANITARY SEWER
—ST—	– STORM SEWER
—W—	– WATERMAIN
—G—	– GAS LINE
—R—	– ROGERS
—B—	– BELL
—T—	– TRAFFIC
—HO—	– HYDRO
BP	– BELL PEDESTAL
TL	– TRAFFIC LIGHT
BH	– BORE HOLES

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON JAN 30, 2019.

2019/02/13
DATE

JOHN H. GUTRI
ONTARIO LAND SURVEYOR

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
2082659

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR In accordance with Regulation 1026, Section 29 (3).

Fairhall Moffatt & Woodland LIMITED
ONTARIO LAND SURVEYORS
OTTAWA
Surveying and Land Information Services
100–600 TERRY FOX DRIVE, KANATA, ONTARIO K2L 4B6
TEL: (613) 591–2580 FAX: (613) 591–1495
www.fmw.on.ca

JOB No. Z10700

E 350193, N 5015320

REFERENCE No. 341–11 GOULBOURN

S:\JOBS\Z10700\DWG ---
TR107Z.dwg (ss)

Appendix C:
Title Search, Municipal & Provincial Records

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

EXP Services
Attn: Kathy

BRIEF DESCRIPTION OF LAND:

5924 Hazeldean Rd., Ottawa
Part of West ½ Lot 26, Cocnession 11, Goulbourn

PIN: 04462-0476

LAST REGISTERED OWNER: 10877590 CANADA INC.

CHAIN OF TITLE:

Deed RO27697 registered Nov 23, 1867
From William Roe to Robert Roe

Deed GB804 registered Apr 3, 1875
From Robert Roe to David Hartin

Deed GB3641 registered Mar 21, 1875
From Sarah Hartin (estate of David Hartin) to Charles Hartin

Deed GB6007 registered May 1, 1903
From Charles Hartin to William Savage

Deed GB6687 registered Mar 1, 1913
From William Savage to William J. Savage

Deed GB7660 registered Apr 15, 1921
From William J. Savage to Albert J. Savage

Deed GB9439 registered Apr 12, 1943
From estate of Albert J. Savage to William A. Savage

Deed GB13783 registered Mar 27, 1961

From William A. Savage to Iva H. Savage

Deed GB13784 registered Mar 27, 1961
From Iva H. Savage to William A. Savage

Deed GB14134 registered Apr 11, 1962
From William A. Savage to William A. Savage

Deed N5203003 registered Aug 3, 1983
From estate of William A. H. Savage to 511376 Ontario Inc.

Deed LT673695 registered May 22, 1990
From 511376 Ontario Inc. to 743104 Ontario Inc.

Deed OC2048924 registered Oct 26, 2018
From 743104 Ontario Inc. to 10877590 Canada Inc.

December 17, 2018

VIA FACSIMILE:
416-314-4285

FOI Manager
Freedom of Information & Protection of Privacy Office
Ontario Ministry of the Environment
12th Floor, 40 St. Clair Avenue West
Toronto, Ontario M4V 1M2

Re: OTT-00250806-A0 **File Review Request**
5924 Hazeldean Road, Ottawa, Ontario

Dear Sir or Madam:

I am sending a Freedom of Information Request to you for 5924 Hazeldean Road, Ottawa, Ontario. We are conducting an environmental site assessment and require any environmental concerns.

If possible, we would appreciate receiving the documentation by email (kathy.radisch@exp.com) and by mail. If you have any questions, or require any further information, please do not hesitate to contact the undersigned at 613-688-1891, ext. 3296.

Yours truly,
exp Services Inc.

Kathy Radisch
Administrative Assistant
Earth & Environment

Enclosures: FOI Form
Credit Card Payment Form

100 - 2650 Queensview Drive, Ottawa, Ontario K2B 8H6
T: +1.613.688.1899 • F: +1.613.225.7337 • www.exp.com

File Number: D06-03-19-0003

January 28, 2019

Mark McCalla
Exp Services Inc.
100-2650 Queensview Drive
Ottawa, ON K2B 8H6

Sent via email [mark.mccalla@exp.com]

Dear Mr. Mark McCalla,

Re: Information Request
5924 Hazeldean Road, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

- No information was returned on the Subject Property from Departmental circulation.

Search of Historical Land Use Inventory

This acknowledges receipt of the signed Disclaimer regarding your request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the Subject Property.

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The search revealed the following:

- There are three (3) activities associated with properties located within 50m of the Subject Property: Activity Numbers 60001, 427, and 6318.

Please note that Activity Number 6318 has a PIN Certainty of “2”. This identifier acknowledges that there is some uncertainty about the exact location of the land use activity and that the activity may or may not have been located on the Subject Property. All database entries with a PIN Certainty of “2” require independent verification as to their precise location.

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above, including the HLUI database’s location of the Activity Number with a PIN Certainty of “2”.

Additional information may be obtained by contacting:

Ontario’s Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Bess MacLaughlin Nakashima at 613-580-2424 ext. 14743 or HLUI@ottawa.ca

Sincerely,

Bess MacLaughlin Nakashima

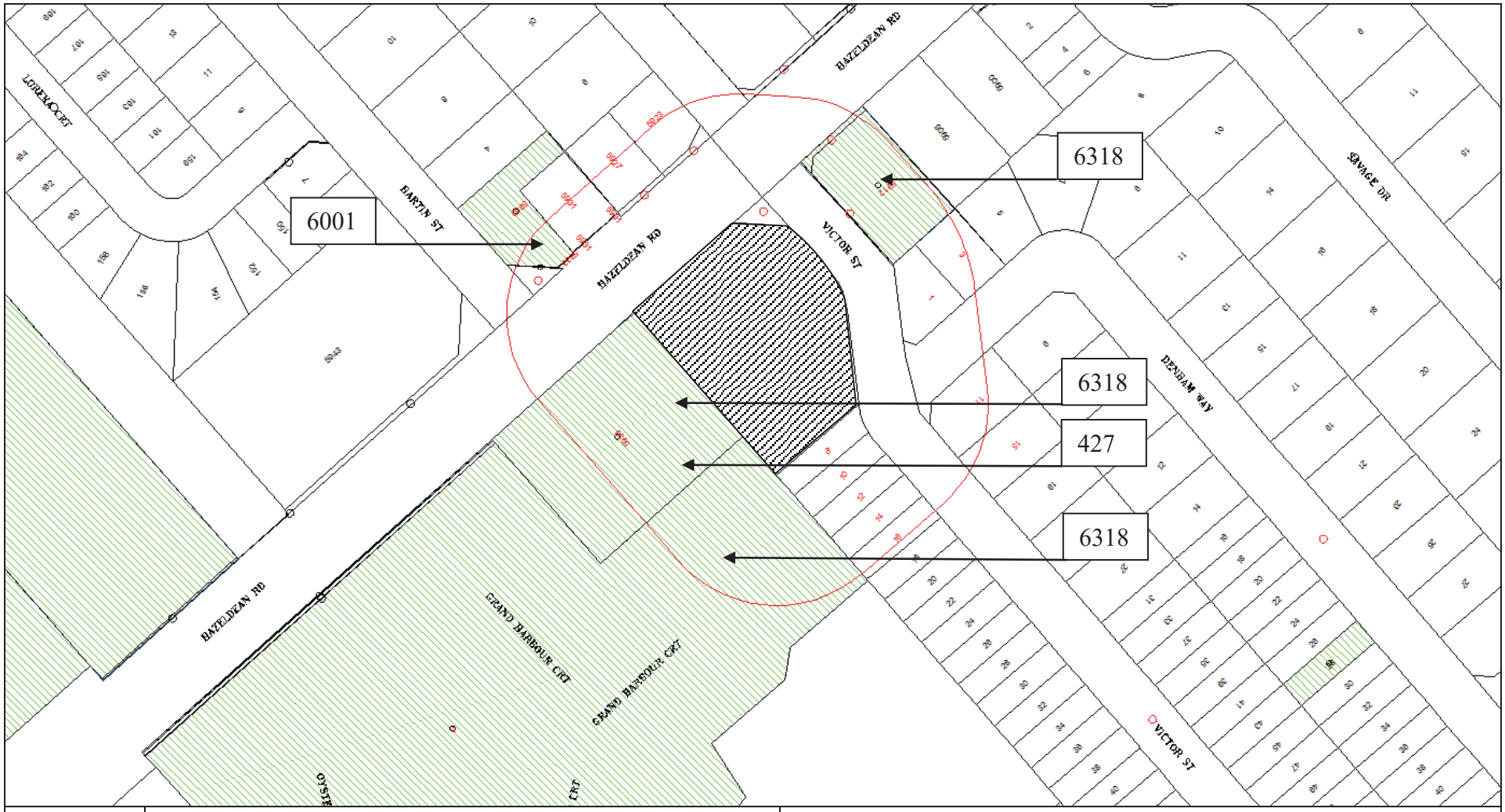
Per:

Michael Boughton, MCIP, RPP
Senior Planner
Development Review East
Planning Services
Planning, Infrastructure and Economic Development Department

MB/ BMN

Attach: 6

cc: File no. D06-03-19-0003



Scale 1: n/a

5924 Hazeldean Road
Ottawa, ON
File # D06-03-19-0003
Bess MacLaughlin Nakashima

Ottawa

Overview

ID# = Activity Identification Number

= Subject Site

CITY OF OTTAWA

HLUI ID: __679GH2

AREA (Square Metres): 4645.986

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	044620475	Y	Y

Activity ID: 427 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 044620475

Name: 795099 ONTARIO INC.

Address: 5938 HAZELDEAN ROAD, TOWNSHIP OF GOULBOURN

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Property Assessment

NAICS	SIC
447190	0
447110	0

Company Name	Year of Operation
SAAB GAS CTR	c. 2005
795099 ONTARIO INC.	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	044620475	Y	Y

Activity ID: 6318 **Multiple PINS:** Y

PIN Certainty: 2 **Previous Activity ID(s) :** 4551

Related PINS: 154970000

Name: GENUINE AUTOMOTIVE SERVICE

Address: HAZELDEAN ROAD, GOULBOURN

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2: 5938-5988

Generator Number:

Storage Tanks:

HL References 1: GBD 1997, GGTBD 1998/99; SC98

HL References 2:

HL References 3:

NAICS	SIC
447110	633
447190	633
811199	633
811121	635
811119	635
811112	635

Company Name	Year of Operation
Genuine Automotive Service	c. 1997-1999
Hazeldean Auto Service	c. 1997
Stittsville Esso	c. 1998-1999

CITY OF OTTAWA

HLUI ID: __679902

AREA (Square Metres): 1093.681

Study Year	PIN	Multi-NAIC	Multiple Activities
2005	044870426	N	N

Activity ID: 6001 **Multiple PINS:** Y

PIN Certainty: 1 **Previous Activity ID(s) :**

Related PINS: 044870426

Name: FRANK CANTUSCI UPHOLSTERY

Address: 5933 HAZELDEAN ROAD,

Facility Type: Other Machinery, Equipment and Supplies, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1:

HL References 2:

HL References 3: 2005 Select Phone

NAICS	SIC
811420	0

Company Name	Year of Operation
FRANK CANTUSCI UPHOLSTERY	c. 2001
FRANK CANTUSCI UPHOLSTERY	c. 2005

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	154970000	Y	N

Activity ID: 6318 **Multiple PINS:** Y

PIN Certaimty: 2 **Previnus Activity IDEsq:** 4551

Related PINS: 154970000

Na1 e: GENUINE AUTOMOTIVE SERVICE

Address: HAZELDEAN ROAD, GOULBOURN

Facility Type: Gasoline Service Stations

Cn1 1 emts b:

Cn1 1 emts 4: 5938-5988

Gemeratnr Nu1 ger:

Stnrake Tamf s:

HL Re3eremces b: GBD 1997, GGTBD 1998/99; SC98

HL Re3eremces 4:

HL Re3eremces) :

NAICS	SIC
447110	633
447190	633
811199	633
811121	635
811119	635
811112	635

Cn1 pamy Na1 e	Year n3Operatinm
Genuine Automotive Service	c. 1997-1999
Hazeldean Auto Service	c. 1997
Stittsville Esso	c. 1998-1999

CITY OF OTTAWA

HLUI ID: __679FTP

AREA (Square Metres): 1697.577

Study Year	PIN	Multi-NAIC	Multiple Activities
1995	0447204YY	N	6

Activity ID: 7315 **Multiple PINS:** N

PIN Certainty: 2 **Previous Activity ID(s) :** 4881

Related PINS: 1849Y0000

Name: GE6 UI6 E AUTOMOTIVE SERVICE

Address: HAZELDEA6 ROAD, GOULBOUR6

Facility Type: Gasoline Service Stations

Comments 1:

Comments 2: 8935-8955

Generator Number:

Storage Tanks:

HL References 1: GBD 199Y, GGTBD 1995/99; SC95

HL References 2:

HL References 3:

NAICS	SIC
44Y110	733
44Y190	733
511199	733
511121	738
511119	738
511112	738

Company Name	Year of Operation
Genuine Automotive Service	c. 199Y-1999
Hazeldean Auto Service	c. 199Y
Stittsville Esso	c. 1995-1999

ENVIRONMENTAL RISK INFORMATION SERVICE

Head Office: 80 Valleybrook Dr, Toronto, ON M3B 2S9
Physical Address: 38 Lesmill Rd, Toronto, ON M3B 2T5
Phone: 416-510-5204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

City Directory Information Source	
Vernon's Ottawa & Area, Ontario City Directory	
PROJECT NUMBER: 20181217122	
Site Address:	5924 Hazeldean Road, Stittsville, Ontario
Year: 2011	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Hazeldean Road (5850-5995)	-All Residential 5862-Kanata Collision -KC Auto Glass 5883-Ottawa Hull Cambodian Buddist Assoc. 5899-Mr. Gas 5900-Corks Winery 5903-Thi-Nhu-Mai Do Dpc 5906-O E M Express 5912-Moore Chiropractic -Kanata Counselling Services 5915-Carnivale Lune Blue Solutions 5927-Kodiak Snow Blowing Inc. 5931-State Farm Insurance 5933-Cantusci Upholstery 5977-Nci Network Cabling Installations Ltd. -Electrec Ltd. -Hytec Products -Abbotsford Moving & Storage 5986-Therien Jui-Jitsu & Kickboxing -Rental Village
Bradley Green Court (All)	-All Residential
Denham Way (1-40)	-All Residential 37-Skipper Online Services

Grand Cedar Court (All)	-All Residential
Grand Harbour Court (All)	-All Residential
Hartin Street (1-20)	-All Residential
Iva Street (All)	-Street Not Listed
Johnwoods Street (1-25)	-All Residential
Loreka Court (All)	-Street Not Listed
Old Orchard Crescent (All)	-Street Not Listed
Oyster Bay Court (All)	-All Residential
Pine Needles Court (All)	-All Residential
Rowan Road (All)	-All Residential
Savage Drive (1-25)	-All Residential 2-Law Office -You Need A Wrap
Sweetnam Drive (1-10)	3-Pbc Sweetnam Holdings -7-Ottawa Cove & Crown Moulding -Centrum Glass & Door -Denis Auto Centre -Central Plumbing 8-Cds Rental Service -Pac Bookkeeping & Accounting -Mott & Associates -Store-All Ltd. -Upright Claims Service -Gencher Realty Appraisals
Victor Street (1-55)	-All Residential 47-Complete Home Improvement West
Year: 2006-07	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Hazeldean Road (5850-5995)	-All Residential 5862-Kanata Collision 5872-Westend Automotive 5879-Escape Esthetics

	5883-Ottawa Hull Cambodian Buddist Assoc. 5899-Mr. Gas 5900-Corks Winery 5915-Van De Graaff International Assignment Solutions 5931-State Farm Insurance -Kandlestix -Kanata Bead & Craft Company 5933-Cantusci Upholstery 5938-Saab Gas Centre 5977-Nci Network Cabling Installations Ltd. -Electrec Ltd. -Hytec Products -Ultralx Wire & Cable Inc. -Trillium Converting Corp. 5986-Therien Jui-Jitsu & Kickboxing 5992-McGlade Financial -Quigley Chartered Accountants
Bradley Green Court (All)	-All Residential
Denham Way (1-40)	-All Residential 28-Advanced Air Quality
Grand Cedar Court (All)	-All Residential
Grand Harbour Court (All)	-All Residential
Hartin Street (1-20)	-All Residential
Iva Street (All)	-Street Not Listed
Johnwoods Street (1-25)	-All Residential
Loreka Court (All)	-Street Not Listed
Old Orchard Crescent (All)	-Street Not Listed
Oyster Bay Court (All)	-All Residential
Pine Needles Court (All)	-All Residential
Rowan Road (All)	-All Residential
Savage Drive (1-25)	-All Residential
Sweetnam Drive (1-10)	7-Centrum Glass & Door -Miniman

	-Denis Auto Centre 8-Cds Rental Service -Store-All Ltd. -M E D Servi Systems Canada -Med Clinic -Relocateable Homes
Victor Street (1-55)	-All Residential
Year: 2001-02	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Hazeldean Road (5850-5995)	-All Residential 5862-Kanata Collision 5879-Escape Esthetics 5883-Tole Attic -Craftiques 5931-Shake N Burger Diner 5933-Cantusci Upholstery 5977-Smith Packaging Ltd. -Trillium Converting Corp. 5986-Hazeldean Martial Arts Centre 5992-Communique Signs
Bradley Green Court (All)	-All Residential 70-Aqua Clear Pool & Spa Service
Denham Way (1-40)	-All Residential 28-Ontario Duct Cleaning -National Air Technologies
Grand Cedar Court (All)	-All Residential
Grand Harbour Court (All)	-All Residential
Hartin Street (1-20)	-All Residential
Iva Street (All)	-Street Not Listed
Johnwoods Street (1-25)	-Street Not Listed
Loreka Court (All)	-Street Not Listed
Old Orchard Crescent (All)	-Street Not Listed

Oyster Bay Court (All)	-All Residential
Pine Needles Court (All)	-All Residential
Rowan Road (All)	-All Residential
Savage Drive (1-25)	-All Residential 23-Preferred Limousine Service
Sweetnam Drive (1-10)	5-Envision This 7-Denis Auto Centre 8-Steph-Com Ltd. -Allen & Assoc. -Cds Rental Service
Victor Street (1-55)	-All Residential
Year: 1996-97	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Hazeldean Road (5850-5995)	-All Residential 5862-Kanata Collision -Stittsville Auto Glass Ltd. 5883-Craftiques 5933-Bob's Big Scoop -Cantusci Upholstery 5938-Hazeldean Auto Service Inc. 5977-Love Printing Service Inc. 5986-Hazeldean Martial Arts Centre
Bradley Green Court (All)	-All Residential 70-Aqua Clear Pool & Spa Service
Denham Way (1-40)	-All Residential 28-Ontario Duct Cleaning
Grand Cedar Court (All)	-All Residential
Grand Harbour Court (All)	-All Residential 8-Laurek International Trade Services Ltd.
Hartin Street (1-20)	-All Residential
Iva Street (All)	-Street Not Listed
Johnwoods Street (1-25)	-Street Not Listed

Loreka Court (All)	-Street Not Listed
Old Orchard Crescent (All)	-Street Not Listed
Oyster Bay Court (All)	-All Residential
Pine Needles Court (All)	-All Residential
Rowan Road (All)	-All Residential
Savage Drive (1-25)	-All Residential 7-Moffat Electrical Services & Small Engine Repair 23-Preferred Limousine Service
Sweetnam Drive (1-10)	7-Ebertsen Windows & Door Ltd. -Denis Auto Centre 8-Steph-Com Ltd. -Equine Communications -Store-All Ltd. -Fringewood Homes -Cds Rental Service
Victor Street (1-55)	-All Residential
Year: 1992	
Site Listing:	-Address Not Listed
Adjacent Properties:	
Hazeldean Road (5850-5995)	-All Residential 5851-Cliff Salmon Motors 5862-Kanata Collision -Stittsville Auto Glass Ltd. 5900-Tip Limousine Service -Toomey Photography 5933-Cantusci Enterprise Ltd. 5977-Love Printing Service Inc. 5986-Kanata Japan Karate Assoc. -SPD Insurance Ltd. -Therien Jiu-Jitsu West 5992-Communique Mobile Signs -Communique Equipment Rentals -Sharpley Excavating

Bradley Green Court (All)	-All Residential
Denham Way (1-40)	-All Residential
Grand Cedar Court (All)	-All Residential
Grand Harbour Court (All)	-All Residential
Hartin Street (1-20)	-All Residential
Iva Street (All)	-Street Not Listed
Johnwoods Street (1-25)	-Street Not Listed
Loreka Court (All)	-Street Not Listed
Old Orchard Crescent (All)	-Street Not Listed
Oyster Bay Court (All)	-All Residential
Pine Needles Court (All)	-All Residential
Rowan Road (All)	-All Residential
Savage Drive (1-25)	-All Residential 2-Watson & Assoc. 7-Moffat Electrical Services -Kanata Small Engine Repair
Sweetnam Drive (1-10)	2-Bay Valley Door Installation 8-Express Designs -Steph-Com Ltd. -Waterlife Products -Store-All Ltd. -Fringewood Homes -Cds Rental Service -Matthews Home Improvements
Victor Street (1-55)	-All Residential

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory

Stittsville, Ontario is listed from 2011 to 1992 within the city directory archives*

Appendix D:
EcoLog Reports

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *5924 Hazeldean* *Stittsville ON K2S 1B9*
Project No:	*OTT-00250806-A0*
Report Type:	*Standard Report*
Order No:	*20181217122*
Requested by:	*exp Services Inc.*
Date Completed:	*December 21, 2018*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase I ESA* *5924 Hazeldean Stittsville ON K2S 1B9*
Project No:	*OTT-00250806-A0*

Coordinates:

Latitude:	*45.276445*
Longitude:	*-75.92148*
UTM Northing:	*5,014,073.70*
UTM Easting:	*427,723.38*
UTM Zone:	*UTM Zone 18T*

Elevation:	*367 FT* *111.88 M*

Order Information:

Order No:	*20181217122*
Date Requested:	*December 17, 2018*
Requested by:	*exp Services Inc.*
Report Type:	*Standard Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection - .tiff files*
City Directory Search	*CD - Subject Site plus 250m Radius*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	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*
AUWR	***Automobile Wrecking & Supplies***	*Y*	*0*	*0*	*0*
BORE	***Borehole***	*Y*	*0*	*25*	*25*
CA	***Certificates of Approval***	*Y*	*0*	*5*	*5*
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*
DRYCLEANERS	***Dry Cleaning Facilities***	*Y*	*0*	*0*	*0*
EASR	***Environmental Activity and Sector Registry***	*Y*	*0*	*0*	*0*
EBR	***Environmental Registry***	*Y*	*0*	*0*	*0*
ECA	***Environmental Compliance Approval***	*Y*	*0*	*4*	*4*
EEM	***Environmental Effects Monitoring***	*Y*	*0*	*0*	*0*
EHS	***ERIS Historical Searches***	*Y*	*0*	*8*	*8*
EIIS	***Environmental Issues Inventory System***	*Y*	*0*	*0*	*0*
EMHE	***Emergency Management Historical Event***	*Y*	*0*	*0*	*0*
EXP	***List of TSSA Expired Facilities***	*Y*	*0*	*17*	*17*
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*
FST	***Fuel Storage Tank***	*Y*	*0*	*9*	*9*
FSTH	***Fuel Storage Tank - Historic***	*Y*	*0*	*3*	*3*
GEN	***Ontario Regulation 347 Waste Generators Summary***	*Y*	*0*	*3*	*3*
GHG	***Greenhouse Gas Emissions from Large Facilities***	*Y*	*0*	*0*	*0*
HINC	***TSSA Historic Incidents***	*Y*	*0*	*2*	*2*
IAFT	***Indian & Northern Affairs Fuel Tanks***	*Y*	*0*	*0*	*0*
INC	***TSSA Incidents***	*Y*	*0*	*1*	*1*
LIMO	***Landfill Inventory Management Ontario***	*Y*	*0*	*0*	*0*
MINE	***Canadian Mine Locations***	*Y*	*0*	*0*	*0*
MISA PENALTY	***Environmental Penalty Annual Report***	*Y*	*0*	*0*	*0*

Database	Name	Searched	Project Property	Within 0.25 km	Total
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
NEBW	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
OGW	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	TSSA Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
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	4	4
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	3	3
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	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	26	26
	Total:		0	113	113

Executive Summary: Site Report Summary - Project Property

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

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		lot 25 con 11 ON ***Well ID:*** 1502905	NNE/34.1	0.00	31
2	CA	City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St Ottawa ON	NW/48.7	0.00	33
3	BORE		ON	NNW/49.9	0.00	33
4	BORE		ON	N/57.8	-1.00	34
5	BORE		ON	NNW/60.4	0.00	34
6	BORE		ON	NNW/63.1	0.00	35
7	BORE		ON	ESE/65.4	-1.03	35
8	WWIS		lot 25 con 11 ON ***Well ID:*** 1502904	WSW/68.4	0.31	36
9	CA	743104 ONTARIO INC.	VICTOR ST./HAZELDEAN RD. GOULBOURN TWP. ON	N/69.0	-0.69	38
9	PINC		Hazeldean Road & Victor Street, Ottawa ON	N/69.0	-0.69	38
9	SPL	Enbridge Gas Distribution Inc.	Corner of Hazeldean Road and Victor Street Ottawa ON	N/69.0	-0.69	39
10	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	SW/69.8	0.31	39

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	SW/69.8	0.31	39
10	FSTH	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SW/69.8	0.31	40
10	GEN	Stone Mills Environmental Services	5938 Hazeldean Rd Ottawa ON	SW/69.8	0.31	40
10	RST	SAAB GAS CENTRE	5938 HAZELDAN RD STITTSVL ON K2S 1A9	SW/69.8	0.31	40
10	RST	NATIONAL PETROLEUM	5938 HAZELDAN RD STITTSVILLE ON K2S 1A9	SW/69.8	0.31	41
11	GEN	STITTSVILLE BICYCLE REPAIRS	5931-B HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	WNW/70.7	0.00	41
12	HINC		BETWEEN 10 & 12 VICTOR STREET STITTSVILLE ON	SSE/71.7	0.00	41
12	SPL	Enbridge Gas Distribution Inc.	10 & 12 Victor Street, Stittsville Ottawa ON	SSE/71.7	0.00	42
13	ECA	City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St. Ottawa ON K1P 1J1	N/72.8	-0.69	42
14	BORE		ON	N/77.9	-0.69	42
15	BORE		ON	W/78.1	0.00	43
16	EHS		5927 Hazeldean Rd Ottawa ON K2S1B9	NW/80.8	0.00	43
16	EHS		5927 Hazeldean Rd Ottawa ON K2S1B9	NW/80.8	0.00	44

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
16	EHS		5927 Hazeldean Rd Ottawa ON K2S1B9	NW/80.8	0.00	44
17	BORE		ON	NNE/82.1	-1.00	44
18	BORE		ON	NE/83.1	-1.00	44
19	BORE		ON	W/84.5	1.00	45
20	WWIS		lot 25 con 12 ON ***Well ID:*** 1502966	NW/86.3	0.00	45
21	BORE		ON	W/87.4	0.43	47
22	BORE		ON	N/89.3	-1.00	48
23	BORE		ON	W/90.7	0.43	48
24	BORE		ON	N/92.7	-1.00	49
25	GEN	FRANK CANTUSCI UPHOLSTERY	5933 HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	WNW/94.6	0.00	49
26	EHS		5906 Hazeldean Rd Ottawa ON K2S1B9	NE/102.2	-1.00	49
26	EHS		5906 Hazeldean Rd Ottawa ON K2S1B9	NE/102.2	-1.00	50
27	WWIS		lot 25 con 12 ON	WNW/111.4	0.00	50

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1502967			
28	EHS		5903 Hazeldean Road Ottawa ON K2S 1B9	NNE/125.2	-1.00	52
29	WWIS		lot 26 con 11 ON ***Well ID:*** 1502908	NE/127.7	-2.08	52
30	WWIS		lot 26 con 11 ON ***Well ID:*** 1502909	NE/134.8	-2.08	55
31	WWIS		lot 25 con 12 ON ***Well ID:*** 1502965	NNW/143.2	-0.43	57
32	WWIS		lot 26 con 12 ON ***Well ID:*** 1502974	N/144.3	-1.00	59
33	WWIS		lot 26 con 12 ON ***Well ID:*** 1502977	NNE/149.4	-1.00	62
34	WWIS		lot 26 con 12 ON ***Well ID:*** 1510030	N/150.0	-1.00	64
35	BORE		ON	NE/153.2	-2.00	67
36	WWIS		lot 25 con 12 ON ***Well ID:*** 1502964	NW/156.7	0.00	67
37	WWIS		lot 26 con 11 ON ***Well ID:*** 1502915	NE/159.7	-2.00	69
38	CA	1590675 Ontario Inc.	5943 Hazeldean Rd Lot 25, Concession 12 Ottawa ON	W/164.6	1.00	72
38	ECA	CST Canada Co.	5943 Hazeldean Rd Ottawa ON B3J 3N2	W/164.6	1.00	72
38	ECA	1590675 Ontario Inc.	5943 Hazeldean Rd Lot 25, Concession 12 Ottawa ON K1N 7B7	W/164.6	1.00	72

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
38	ECA	1590675 Ontario Inc.	5943 Hazeldean Rd Lot 25, Concession 12 Ottawa ON K1N 7B7	W/164.6	1.00	72
38	FST	CST CANADA CO	5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	W/164.6	1.00	73
38	FST	CST CANADA CO	5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	W/164.6	1.00	73
38	FST	CST CANADA CO	5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	W/164.6	1.00	73
39	WWIS		lot 26 con 12 ON ***Well ID:*** 1502979	NNE/165.4	-2.03	74
40	WWIS		lot 26 con 12 ON ***Well ID:*** 1514141	N/165.8	-1.00	76
41	WWIS		lot 26 con 11 ON ***Well ID:*** 1502916	NE/165.9	-2.00	79
42	BORE		ON	W/169.9	1.00	81
42	WWIS		lot 25 con 12 ON ***Well ID:*** 1502962	W/169.9	1.00	81
43	EHS		2 Savage Drive Stittsville ON K2S 1B9	NE/171.2	-2.00	84
44	EHS		5943 Hazeldean Rd Ottawa ON K2S1B9	W/172.7	1.00	84
45	WWIS		lot 26 con 12 ON ***Well ID:*** 1514142	NNW/174.6	-1.00	84
45	WWIS		lot 26 con 12 ON	NNW/174.6	-1.00	87

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1511636			
46	WWIS		lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7105320	NNE/185.5	-2.03	90
47	BORE		ON	NW/186.3	0.00	93
48	BORE		ON	NE/187.5	-2.00	93
49	BORE		ON	NNE/189.1	-2.00	94
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	95
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	95
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	95
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	95
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	95
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	96
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	96
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	96
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	96

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	97
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	97
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	97
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	97
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	98
50	EXP	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	98
50	FST	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	98
50	FST	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	98
50	FST	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	99
50	FST	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	99
50	FST	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	99
50	FST	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N/189.7	-1.31	100
50	FSTH	MR GAS LIMITED ATTN LILIANNE LEVAC **	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON K2S 1B9	N/189.7	-1.31	100

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
50	FSTH	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N/189.7	-1.31	100
50	PRT	MR GAS LIMITED ATTN LILIANNE LEVAC	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON	N/189.7	-1.31	102
50	RST	MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	N/189.7	-1.31	102
50	RST	MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	N/189.7	-1.31	102
51	BORE		ON	NNE/190.8	-2.00	102
52	WWIS		lot 26 con 12 ON ***Well ID:*** 1502970	NNE/199.9	-2.00	103
53	BORE		ON	NE/203.2	-1.92	105
54	WWIS		lot 26 con 12 ON ***Well ID:*** 1514143	NNW/208.4	-1.00	105
55	WWIS		lot 26 con 12 ON ***Well ID:*** 1502976	NNE/209.7	-1.97	108
56	WWIS		lot 25 con 12 ON ***Well ID:*** 1512293	NW/212.9	0.00	111
57	BORE		ON	WSW/219.9	2.00	114
58	BORE		ON	WSW/222.7	2.00	114
59	BORE		ON	WSW/223.4	2.00	115

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
60	BORE		ON	WSW/225.7	2.00	115
61	CA	TAMARACK DEVELOPMENT CORPORATION PH.III	GRAND HARBOUR CRT. OLD ORCHARD GOULBOURN TWP. ON	SSW/234.3	1.00	116
61	CA	TAMARACK DEVELOPMENT CORPORATION PH.III	GRAND HARBOUR CRT. OLD ORCHARD GOULBOURN TWP. ON	SSW/234.3	1.00	116
62	WWIS		lot 25 con 12 ON ***Well ID:*** 1513318	WSW/238.9	1.85	117
63	WWIS		lot 25 con 12 ON ***Well ID:*** 1502961	NW/241.9	0.00	119
64	INC		5883 Hazeldean Road, Ottawa ON K2S 1B9	NNE/244.5	-2.69	122
65	PINC		5883 Hazeldean Road, Ottawa ON	NNE/246.5	-1.94	123
66	WWIS		lot 26 con 12 ON ***Well ID:*** 1513392	NNE/247.7	-3.00	123
67	HINC		22 Oyster Bay Court Ottawa ON K2S 1H3	SW/248.7	1.00	126
68	SPL	PRIVATE RESIDENCE	20 SAVAGE ST., STITTSVILLE. FURNACE OIL TANK GOULBOURN TOWNSHIP ON	E/249.9	-2.00	126

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 25 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	NNW	49.89	3
	ON	NNW	60.36	5
	ON	NNW	63.12	6
	ON	W	78.07	15
	ON	W	84.47	19
	ON	W	87.39	21
	ON	W	90.66	23
	ON	W	169.88	42
	ON	NW	186.33	47
	ON	WSW	219.88	57

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	WSW	222.69	58
	ON	WSW	223.40	59
	ON	WSW	225.69	60

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	N	57.82	4
	ON	ESE	65.37	7
	ON	N	77.92	14
	ON	NNE	82.10	17
	ON	NE	83.14	18
	ON	N	89.34	22
	ON	N	92.74	24
	ON	NE	153.20	35

ON		NE	187.46	48
ON		NNE	189.11	49
ON		NNE	190.76	51
ON		NE	203.20	53

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St Ottawa ON	NW	48.66	2
1590675 Ontario Inc.	5943 Hazeldean Rd Lot 25, Concession 12 Ottawa ON	W	164.64	38
TAMARACK DEVELOPMENT CORPORATION PH.III	GRAND HARBOUR CRT. OLD ORCHARD GOULBOURN TWP. ON	SSW	234.28	61
TAMARACK DEVELOPMENT CORPORATION PH.III	GRAND HARBOUR CRT. OLD ORCHARD GOULBOURN TWP. ON	SSW	234.28	61

Lower Elevation	Address	Direction	Distance (m)	Map Key
743104 ONTARIO INC.	VICTOR ST./HAZELDEAN RD. GOULBOURN TWP. ON	N	68.95	9

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Oct 31, 2018 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
1590675 Ontario Inc.	5943 Hazeldean Rd Lot 25, Concession 12 Ottawa ON K1N 7B7	W	164.64	38
CST Canada Co.	5943 Hazeldean Rd Ottawa ON B3J 3N2	W	164.64	38
1590675 Ontario Inc.	5943 Hazeldean Rd Lot 25, Concession 12 Ottawa ON K1N 7B7	W	164.64	38

Lower Elevation	Address	Direction	Distance (m)	Map Key
City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St. Ottawa ON K1P 1J1	N	72.83	13

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Oct 31, 2018 has found that there are 8 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	5927 Hazeldean Rd Ottawa ON K2S1B9	NW	80.82	16
	5927 Hazeldean Rd Ottawa ON K2S1B9	NW	80.82	16
	5927 Hazeldean Rd Ottawa ON K2S1B9	NW	80.82	16
	5943 Hazeldean Rd Ottawa ON K2S1B9	W	172.71	44

Lower Elevation	Address	Direction	Distance (m)	Map Key
	5906 Hazeldean Rd Ottawa ON K2S1B9	NE	102.15	26
	5906 Hazeldean Rd Ottawa ON K2S1B9	NE	102.15	26
	5903 Hazeldean Road Ottawa ON K2S 1B9	NNE	125.23	28
	2 Savage Drive Stittsville ON K2S 1B9	NE	171.20	43

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 17 EXP site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	SW	69.82	10
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	SW	69.82	10

Lower Elevation	Address	Direction	Distance (m)	Map Key
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50

MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 9 FST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
CST CANADA CO	5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	W	164.64	38
CST CANADA CO	5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	W	164.64	38
CST CANADA CO	5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	W	164.64	38

Lower Elevation	Address	Direction	Distance (m)	Map Key
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	N	189.65	50

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 3 FSTH site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	SW	69.82	10

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key

Lower Elevation	Address	Direction	Distance (m)	Map Key
MR GAS LIMITED ATTN LILIANNE LEVAC **	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON K2S 1B9	N	189.65	50
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	N	189.65	50

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-June 30, 2018 has found that there are 3 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Stone Mills Environmental Services	5938 Hazeldean Rd Ottawa ON	SW	69.82	10
STITTSVILLE BICYCLE REPAIRS	5931-B HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	WNW	70.67	11
FRANK CANTUSCI UPHOLSTERY	5933 HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	WNW	94.60	25

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	BETWEEN 10 & 12 VICTOR STREET STITTSVILLE ON	SSE	71.70	12
	22 Oyster Bay Court Ottawa ON K2S 1H3	SW	248.74	67

INC - TSSA Incidents

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.

Lower Elevation	Address	Direction	Distance (m)	Map Key
	5883 Hazeldean Road, Ottawa ON K2S 1B9	NNE	244.46	64

PINC - TSSA Pipeline Incidents

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

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Hazeldean Road & Victor Street, Ottawa ON	N	68.95	9
	5883 Hazeldean Road, Ottawa ON	NNE	246.46	65

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
MR GAS LIMITED ATTN LILIANNE LEVAC	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON	N	189.65	50

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Jul 31, 2018 has found that there are 4 RST site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
SAAB GAS CENTRE	5938 HAZELDAN RD STITTSVL ON K2S 1A9	SW	69.82	10
NATIONAL PETROLEUM	5938 HAZELDAN RD STITTSVILLE ON K2S 1A9	SW	69.82	10

Lower Elevation	Address	Direction	Distance (m)	Map Key
MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	N	189.65	50
MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	N	189.65	50

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jul 2018 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	10 & 12 Victor Street, Stittsville Ottawa ON	SSE	71.70	12

Lower Elevation	Address	Direction	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	Corner of Hazeldean Road and Victor Street Ottawa ON	N	68.95	9
PRIVATE RESIDENCE	20 SAVAGE ST., STITTSVILLE. FURNACE OIL TANK GOULBOURN TOWNSHIP ON	E	249.91	68

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 26 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 25 con 11 ON ***Well ID:*** 1502905	NNE	34.08	1
	lot 25 con 11 ON ***Well ID:*** 1502904	WSW	68.45	8
	lot 25 con 12 ON	NW	86.32	20

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 1502966			
	lot 25 con 12 ON	WNW	111.36	27
	Well ID: 1502967			
	lot 25 con 12 ON	NW	156.66	36
	Well ID: 1502964			
	lot 25 con 12 ON	W	169.88	42
	Well ID: 1502962			
	lot 25 con 12 ON	NW	212.92	56
	Well ID: 1512293			
	lot 25 con 12 ON	WSW	238.88	62
	Well ID: 1513318			
	lot 25 con 12 ON	NW	241.85	63
	Well ID: 1502961			

Lower Elevation	Address	Direction	Distance (m)	Map Key
	lot 26 con 11 ON	NE	127.68	29
	Well ID: 1502908			
	lot 26 con 11 ON	NE	134.79	30
	Well ID: 1502909			
	lot 25 con 12 ON	NNW	143.18	31
	Well ID: 1502965			
	lot 26 con 12 ON	N	144.33	32
	Well ID: 1502974			
	lot 26 con 12 ON	NNE	149.39	33

Well ID: 1502977

lot 26 con 12 ON	N	150.04	**34**

Well ID: 1510030

lot 26 con 11 ON	NE	159.66	**37**

Well ID: 1502915

lot 26 con 12 ON	NNE	165.45	**39**

Well ID: 1502979

lot 26 con 12 ON	N	165.80	**40**

Well ID: 1514141

lot 26 con 11 ON	NE	165.94	**41**

Well ID: 1502916

lot 26 con 12 ON	NNW	174.61	**45**

Well ID: 1514142

lot 26 con 12 ON	NNW	174.61	**45**

Well ID: 1511636

lot 26 con 12 STITTSVILLE ON	NNE	185.49	**46**

Well ID: 7105320

lot 26 con 12 ON	NNE	199.94	**52**

Well ID: 1502970

lot 26 con 12 ON	NNW	208.36	**54**

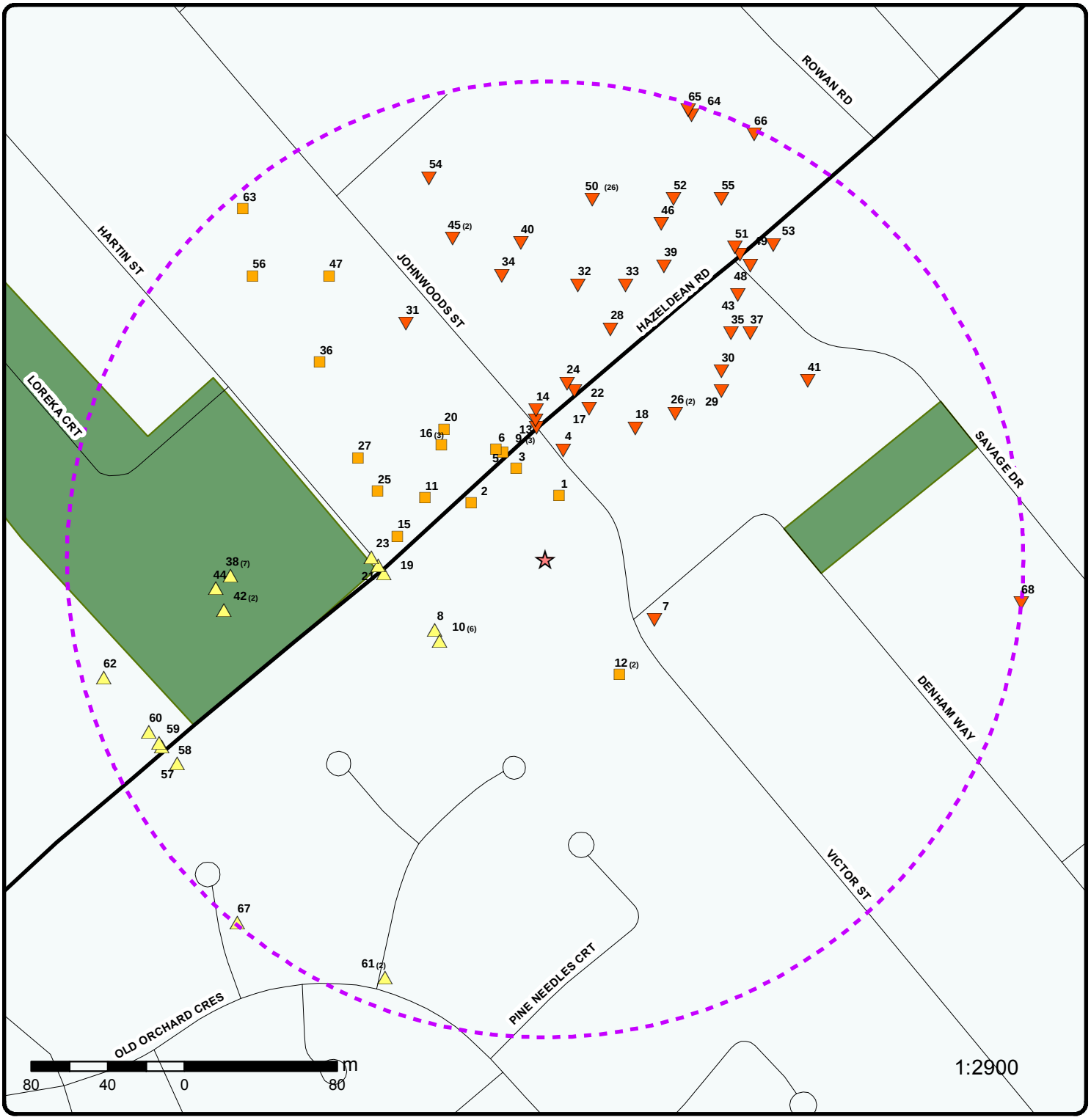
Well ID: 1514143

lot 26 con 12 ON	NNE	209.67	**55**

Well ID: 1502976

lot 26 con 12 ON	NNE	247.68	**66**

Well ID: 1513392



Map : 0.25 Kilometer Radius

Order No: 20181217122

Address: 5924 Hazeldean, Stittsville, ON, K2S 1B9

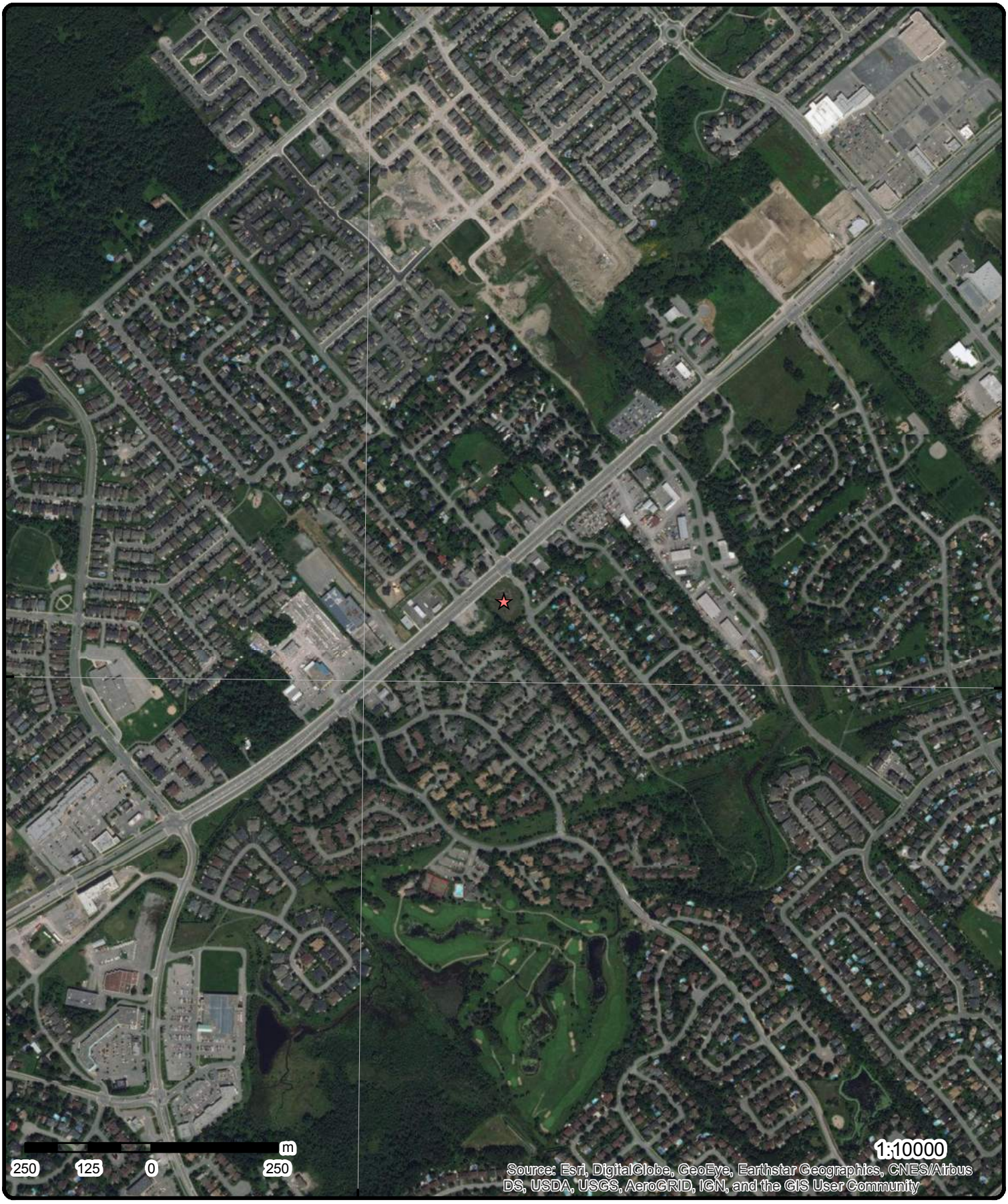
ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- 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°55'30"W

45°16'30"N

45°16'30"N



Aerial (2017)

Address: 5924 Hazeldean, Stittsville, ON, K2S 1B9

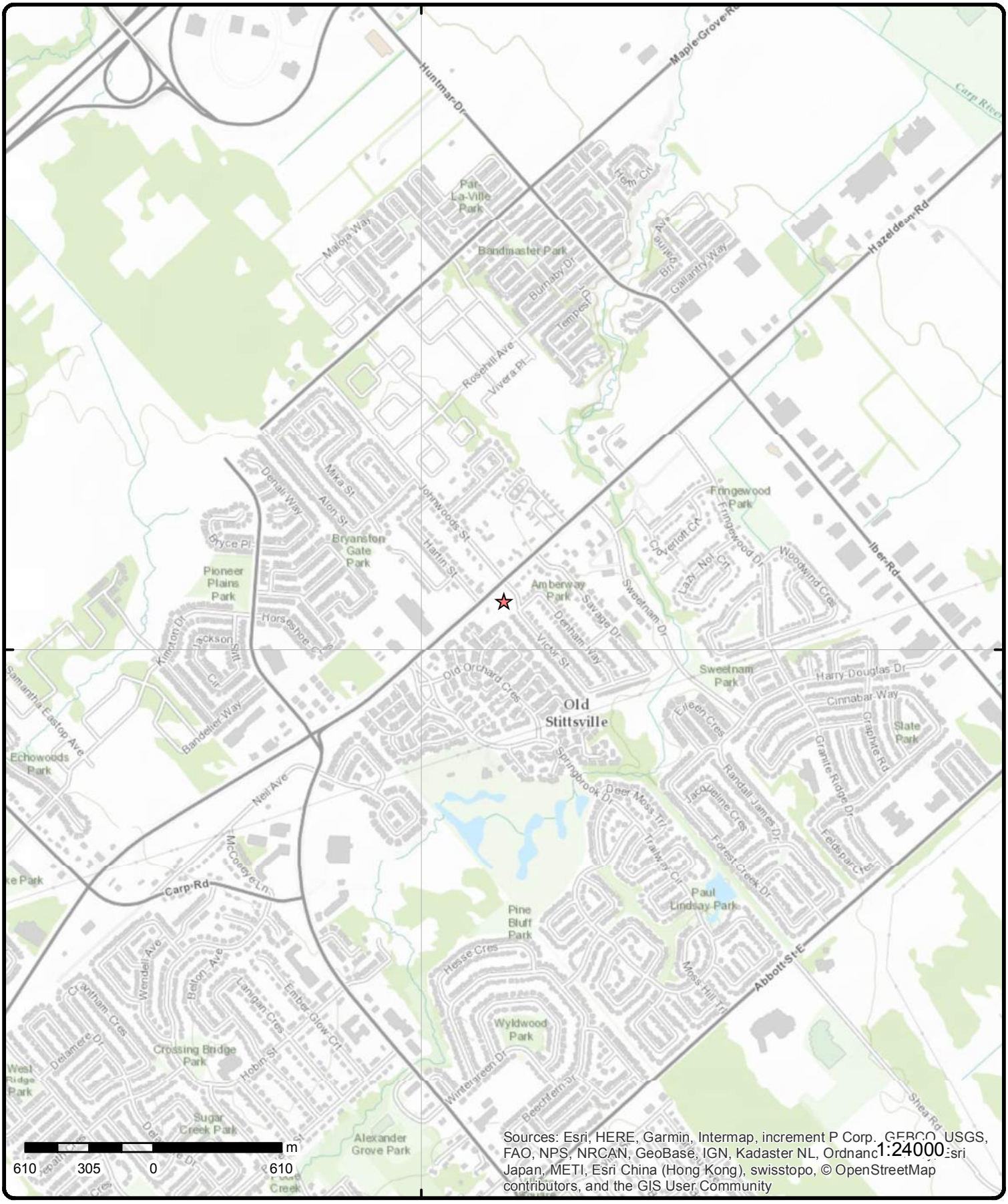
Source: ESRI World Imagery

Order No: 20181217122

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

75°55'30"W

45°16'30"N



45°16'30"N

Topographic Map

Address: 5924 Hazeldean, Stittsville, ON, K2S 1B9

Source: ESRI World Topographic Map

Order No: 20181217122

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NNE/34.1	111.9 / 0.00	lot 25 con 11 ON	WWIS

Well ID:	1502905	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/10/1959
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	11
Overburden/Bedrock:		**Concession Name:**	CON
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:	10024948	**Elevation:**	114.61
DP2BR:	11	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427730.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014107
Cluster Kind:		**UTMRC:**	5
Date Completed:	23-APR-59	**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:	930995550
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 11
Formation End Depth: 75
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995549
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502905
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573518
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042677
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042678
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 75
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

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

Results of Well Yield Testing

Pump Test ID:	991502905
Pump Set At:	
Static Level:	20
Final Level After Pumping:	20
Recommended Pump Depth:	30
Pumping Rate:	5
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:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933455717
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75
Water Found Depth UOM:	ft

---

2 | ***1 of 1*** | ***NW/48.7*** | ***111.9 / 0.00*** | ***City of Ottawa***
Hartin Street between Hazeldean Road and Johnwoods St
Ottawa ON | ***CA***

Certificate #:	3767-87DRBM
Application Year:	2010
Issue Date:	8/6/2010
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:	

---

3 | ***1 of 1*** | ***NNW/49.9*** | ***111.9 / 0.00*** | ***ON*** | ***BORE***

Borehole ID:	808570	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Hand auger	***UTM Zone:***	18
Easting:	427708.32	***Northing:***	5014121.22
Location Accuracy:		***Orig. Ground Elev m:***	-999.9
Elev. Reliability Note:		***DEM Ground Elev m:***	114
Total Depth m:	1.5	***Primary Name:***	AH 04-21
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	10-MAY-2004	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

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

--Details--

Stratum ID:	218596897	***Top Depth(m):***	0.0
Bottom Depth(m):	0.0	***Stratum Desc:***	Asphalt
Stratum ID:	218596898	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	Grey Crushed Stone BASE
Stratum ID:	218596899	***Top Depth(m):***	0.2
Bottom Depth(m):	0.5	***Stratum Desc:***	Brown Subbase Sand - Gravel
Stratum ID:	218596900	***Top Depth(m):***	0.5
Bottom Depth(m):	0.7	***Stratum Desc:***	Brown Fill-Misc Sand With: Gr
Stratum ID:	218596901	***Top Depth(m):***	0.7
Bottom Depth(m):	0.8	***Stratum Desc:***	Grey to Black sand silt Trace: Org M
Stratum ID:	218596902	***Top Depth(m):***	0.8
Bottom Depth(m):	1.5	***Stratum Desc:***	Brown Till Silt - Sand With: Gr Trace: Cl

---

4 ***1 of 1*** ***N/57.8*** ***110.9 / -1.00*** ***ON*** ***BORE***

Borehole ID:	808562	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Hand auger	***UTM Zone:***	18
Easting:	427732.65	***Northing:***	5014130.77
Location Accuracy:		***Orig. Ground Elev m:***	-999.9
Elev. Reliability Note:		***DEM Ground Elev m:***	114
Total Depth m:	1.5	***Primary Name:***	AH 04-19
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	10-MAY-2004	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

--Details--

Stratum ID:	218596853	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	Asphalt
Stratum ID:	218596854	***Top Depth(m):***	0.2
Bottom Depth(m):	0.4	***Stratum Desc:***	Grey Crushed Stone BASE
Stratum ID:	218596855	***Top Depth(m):***	0.4
Bottom Depth(m):	0.8	***Stratum Desc:***	Brown Subbase Sand - Gravel
Stratum ID:	218596856	***Top Depth(m):***	0.8
Bottom Depth(m):	1.5	***Stratum Desc:***	Brown Till Silt - Sand With: Gr Trace: Cl

---

5 ***1 of 1*** ***NNW/60.4*** ***111.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	808447	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Hollow stem auger	***UTM Zone:***	18
Easting:	427701.36	***Northing:***	5014129.85
Location Accuracy:		***Orig. Ground Elev m:***	113
Elev. Reliability Note:		***DEM Ground Elev m:***	114
Total Depth m:	3.7	***Primary Name:***	BH 04-20
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	10-MAY-2004	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

--Details--

Stratum ID:	218596364	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	Asphalt
Stratum ID:	218596365	***Top Depth(m):***	0.1
Bottom Depth(m):	0.5	***Stratum Desc:***	Brown Base Sand - Gravel
Stratum ID:	218596366	***Top Depth(m):***	0.5
Bottom Depth(m):	1.1	***Stratum Desc:***	Brown Subbase Sand - Gravel With: Cob Trace: Constr Debris
Stratum ID:	218596367	***Top Depth(m):***	1.1
Bottom Depth(m):	2.1	***Stratum Desc:***	Dark Brown Compact Fill-Misc sand silt With: Gr Trace: Cob Tr Org M
Stratum ID:	218596368	***Top Depth(m):***	2.1
Bottom Depth(m):	3.7	***Stratum Desc:***	Brown Compact Fill-Misc Silt - Sand With: Gr Trace: Cl Tr Org M the organic matter = rootlets

---

6 ***1 of 1*** ***NNW/63.1*** ***111.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	808565	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Hand auger	***UTM Zone:***	18
Easting:	427697.76	***Northing:***	5014131.42
Location Accuracy:		***Orig. Ground Elev m:***	-999.9
Elev. Reliability Note:		***DEM Ground Elev m:***	114
Total Depth m:	1.5	***Primary Name:***	AH 04-20A
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	10-MAY-2004	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

--Details--

Stratum ID:	218596871	***Top Depth(m):***	0.0
Bottom Depth(m):	0.2	***Stratum Desc:***	Asphalt
Stratum ID:	218596872	***Top Depth(m):***	0.2
Bottom Depth(m):	0.4	***Stratum Desc:***	Brown Fill-Misc Sand With: Si Trace: Gr
Stratum ID:	218596873	***Top Depth(m):***	0.4
Bottom Depth(m):	1.5	***Stratum Desc:***	Brown Fill-Misc Silt - Sand

---

7 ***1 of 1*** ***ESE/65.4*** ***110.8 / -1.03*** ***ON*** ***BORE***

Borehole ID:	609586	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Power auger	***UTM Zone:***	18
Easting:	427781	***Northing:***	5014042
Location Accuracy:		***Orig. Ground Elev m:***	114
Elev. Reliability Note:		***DEM Ground Elev m:***	114
Total Depth m:	.6	***Primary Name:***	
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	APR-1971	***Static Water Level:***	-999.9
Primary Water Use:	Not Used	***Sec. Water Use:***	

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

--Details--

Stratum ID:	218383574	***Top Depth(m):***	0.1
Bottom Depth(m):	0.6	***Stratum Desc:***	TILL,SILT,SAND. BROWN. BLACK. 00053ITY = 3300. BEDROCK. SEISMIC VELOCITY = 11500.
Stratum ID:	218383573	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	UNSPECIFIED,SOIL.

---

8 ***1 of 1*** ***WSW/68.4*** ***112.2 / 0.31*** ***lot 25 con 11 ON*** ***WWIS***

Well ID:	1502904	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Public	***Date Received:***	12/19/1958
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4216
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
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:	10024947	***Elevation:***	115.58
DP2BR:	58	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427665.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014037
Cluster Kind:		***UTMRC:***	5
Date Completed:	13-NOV-58	***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:	930995547
Layer:	1
Color:	
General Color:	
Mat1:	24
Most Common Material:	PREV. DRILLED
Mat2:	
Other Materials:	

Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 58
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995548
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 58
Formation End Depth: 115
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502904
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573517
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042675
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 58
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042676
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991502904
Pump Set At:	
Static Level:	12
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	
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:	933455716
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	112
Water Found Depth UOM:	ft

---

9 ***1 of 3*** ***N/69.0*** ***111.2 / -0.69*** ***743104 ONTARIO INC. VICTOR ST./HAZELDEAN RD. GOULBOURN TWP. ON*** ***CA***

Certificate #:	3-1189-93-
Application Year:	93
Issue Date:	10/15/1993
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

---

9 ***2 of 3*** ***N/69.0*** ***111.2 / -0.69*** ***Hazeldean Road & Victor Street, Ottawa ON*** ***PINC***

Incident ID:	2653648	***Health Impact:***	
Incident No:	497332	***Environment Impact:***	
Type:	FS-Pipeline Incident	***Property Damage:***	
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	
Fuel Occurrence Tp:		***Enforce Policy:***	
Fuel Type:		***Public Relation:***	
Tank Status:		***Pipeline System:***	
Task No:		***Depth:***	
Spills Action Centre:	0225-8BRK6P	***Pipe Material:***	
Method Details:	utility damage	***PSIG:***	
Fuel Category:	Heating Fuel	***Attribute Category:***	
Date of Occurrence:		***Regualtor Location:***	
Occurrence Start			

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

Date:
Operation Type:
Pipeline Type:
Regulator Type:
Summary: Hazeldean Road & Victor Street, Ottawa - 1/2" Pipeline Hit
Reported By: Michael Gruttner - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:
Damage Reason:
Notes:

9	3 of 3	N/69.0	111.2 / -0.69	**Enbridge Gas Distribution Inc.** **Corner of Hazeldean Road and Victor Street** **Ottawa ON**	SPL

Ref No: 0225-8BRK6P
Site No:
Incident Dt:
Year:
Incident Cause:
Incident Event:
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 other - see incident description
Environment Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
Receiving Env:
Health/Env Conseq:
MOE Response: Referral to others
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/2/2010
Dt Document Closed: 12/14/2010
Agency Involved:
SAC Action Class: TSSA - Fuel Safety Branch
Incident Reason:
Incident Summary: TSSA: ½ inch plastic service damaged, not made safe

Discharger Report:
Material Group:
Client Type:
Sector Type: Other
Source Type:
Nearest Watercourse:
Site Name: Corner of Hazeldean Road and Victor Street<UNOFFICIAL>
Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

10	1 of 6	SW/69.8	112.2 / 0.31	**NATIONAL PETROLEUM** **5938 HAZELDEAN RD** **STITTSVILLE ON**	EXP

Instance No: 10359866
Instance ID: 16489
Instance Type: FS Facility
Description: FS Propane Refill Cntr - Cylr Fill
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

10	2 of 6	SW/69.8	112.2 / 0.31	**NATIONAL PETROLEUM** **5938 HAZELDEAN RD** **STITTSVILLE ON**	EXP

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

Instance No: 11662830
Instance ID: 96546
Instance Type: FS Propane Tank
Description: FS Propane Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

10	3 of 6	SW/69.8	112.2 / 0.31	NATIONAL PETROLEUM 5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FSTH

License Issue Date: 5/1/2007
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Full Serve

--Details--
Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 36000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 9000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 9000
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

10	4 of 6	SW/69.8	112.2 / 0.31	Stone Mills Environmental Services 5938 Hazeldean Rd Ottawa ON	GEN

Generator No.: ON7022257
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 562110
SIC Description: Waste Collection

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

10	5 of 6	SW/69.8	112.2 / 0.31	SAAB GAS CENTRE 5938 HAZELDAN RD	RST

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				STITTSVL ON K2S 1A9	

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas
Phone: 6138363156
List Name:
Description:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	6 of 6	SW/69.8	112.2 / 0.31	NATIONAL PETROLEUM 5938 HAZELDAN RD STITTSVILLE ON K2S 1A9	RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS
Phone: 6138363156
List Name:
Description:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
11	1 of 1	WNW/70.7	111.9 / 0.00	STITTSVILLE BICYCLE REPAIRS 5931-B HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	GEN

Generator No.: ON2252700
Status:
Approval Years: 97,98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 6542
SIC Description: BICYCLE SHOPS

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

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 2	SSE/71.7	111.9 / 0.00	BETWEEN 10 & 12 VICTOR STREET STITTSVILLE ON	HINC

External File Num: FS INC 0905-02558
Date of Occurrence: 5/12/2009
Fuel Occurrence Type: Pipeline Strike
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling
Service Interruptions: Yes
Property Damage: Yes
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No
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:

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

12 | **2 of 2** | **SSE/71.7** | **111.9 / 0.00** | **Enbridge Gas Distribution Inc.**
10 & 12 Victor Street, Stittsville
Ottawa ON | **SPL**

Ref No:	1822-7RYP9R	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:		**Client Type:**	
Year:		**Sector Type:**	Pipeline
Incident Cause:	Discharge or Emission to Air	**Source Type:**	
Incident Event:		**Nearest Watercourse:**	
Contaminant Code:		**Site Name:**	10 & 12 Victor Street, Stittsville<UNOFFICIAL>
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site County/District:**	
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:	0 other - see incident description	**Site Region:**	
Environment Impact:	Not Anticipated	**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:		**Northing:**	
Health/Env Conseq:		**Easting:**	
MOE Response:	Not MOE mandate	**Site Geo Ref Accu:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Meth:**	
MOE Reported Dt:	5/12/2009	**Site Map Datum:**	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:	Air Spills - Gases and Vapours		
Incident Reason:	Unknown - Reason not determined		
Incident Summary:	TSSA: nat'l gas to atm, 1/2-inch plastic gasline strike		

13 | **1 of 1** | **N/72.8** | **111.2 / -0.69** | **City of Ottawa**
Hartin Street between Hazeldean Road and Johnwoods St.
Ottawa ON K1P 1J1 | **ECA**

Approval No:	3767-87DRBM	**SWP Area Name:**	Mississippi Valley
Approval Date:	2010-08-06	**MOE District:**	Ottawa
Status:	Approved	**City:**	Ottawa
Record Type:	ECA	**Longitude:**	-75.9284
Link Source:	IDS	**Latitude:**	45.2783
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Hartin Street between Hazeldean Road and Johnwoods St.		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/6126-86JRQK-14.pdf		

14 | **1 of 1** | **N/77.9** | **111.2 / -0.69** | **ON** | **BORE**

Borehole ID:	808560	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427718.76	**Northing:**	5014151.53
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	114
Total Depth m:	1.5	**Primary Name:**	AH 04-18
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9

Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596844	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt
Stratum ID:	218596845	**Top Depth(m):**	0.1
Bottom Depth(m):	0.4	**Stratum Desc:**	Grey Crushed Stone BASE
Stratum ID:	218596846	**Top Depth(m):**	0.4
Bottom Depth(m):	0.6	**Stratum Desc:**	Brown Subbase Sand - Gravel
Stratum ID:	218596847	**Top Depth(m):**	0.6
Bottom Depth(m):	0.9	**Stratum Desc:**	Fill-Misc With: Cob
Stratum ID:	218596848	**Top Depth(m):**	0.9
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl

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15 **1 of 1** **W/78.1** **111.9 / 0.00** **ON** **BORE**

Borehole ID:	808578	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427646.26	**Northing:**	5014085.88
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	114
Total Depth m:	1.5	**Primary Name:**	AH 04-22
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596939	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Grey Crushed Stone BASE
Stratum ID:	218596940	**Top Depth(m):**	0.2
Bottom Depth(m):	0.3	**Stratum Desc:**	Asphalt
Stratum ID:	218596941	**Top Depth(m):**	0.3
Bottom Depth(m):	1.0	**Stratum Desc:**	Brown Base Sand - Gravel Occasional: Cob
Stratum ID:	218596942	**Top Depth(m):**	1.0
Bottom Depth(m):	1.2	**Stratum Desc:**	Fill-Misc With: Cob
Stratum ID:	218596943	**Top Depth(m):**	1.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Fill-Misc Sand - Gravel

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16 **1 of 3** **NW/80.8** **111.9 / 0.00** **5927 Hazeldean Rd**
Ottawa ON K2S1B9 **EHS**

Order No:	20180201191	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Rural)	**Client Prov/State:**	ON
Report Date:	08-FEB-18	**Search Radius (km):**	.3
Date Received:	01-FEB-18	**X:**	-75.922179
Previous Site Name:		**Y:**	45.27698
Lot/Building Size:			

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; Title Searches

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

16 *2 of 3* *NW/80.8* *111.9 / 0.00* **5927 Hazeldean Rd Ottawa ON K2S1B9** *EHS*

Order No:	20180201191	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Rural)	**Client Prov/State:**	ON
Report Date:	08-FEB-18	**Search Radius (km):**	.3
Date Received:	01-FEB-18	**X:**	-75.922179
Previous Site Name:		**Y:**	45.27698
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches		

16 *3 of 3* *NW/80.8* *111.9 / 0.00* **5927 Hazeldean Rd Ottawa ON K2S1B9** *EHS*

Order No:	20180201191	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Rural)	**Client Prov/State:**	ON
Report Date:	08-FEB-18	**Search Radius (km):**	.3
Date Received:	01-FEB-18	**X:**	-75.922179
Previous Site Name:		**Y:**	45.27698
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches		

17 *1 of 1* *NNE/82.1* *110.9 / -1.00* ***ON*** *BORE*

Borehole ID:	808549	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427746.4	**Northing:**	5014152.51
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	113
Total Depth m:	1.5	**Primary Name:**	AH 04-16
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596819	**Top Depth(m):**	0.0
Bottom Depth(m):	0.0	**Stratum Desc:**	Asphalt
Stratum ID:	218596820	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Grey Crushed Stone BASE
Stratum ID:	218596821	**Top Depth(m):**	0.2
Bottom Depth(m):	0.5	**Stratum Desc:**	Brown Subbase Sand - Gravel
Stratum ID:	218596822	**Top Depth(m):**	0.5
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl

18 *1 of 1* *NE/83.1* *110.9 / -1.00* ***ON*** *BORE*

Borehole ID:	609593	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18

Easting:	427771	**Northing:**	5014142
Location Accuracy:		**Orig. Ground Elev m:**	113
Elev. Reliability Note:		**DEM Ground Elev m:**	113
Total Depth m:	7.5	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1962	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218383589	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	UNSPECIFIED.
Stratum ID:	218383590	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	UNSPECIFIED,TILL. DENSE.
Stratum ID:	218383591	**Top Depth(m):**	1.5
Bottom Depth(m):	6.0	**Stratum Desc:**	UNSPECIFIED,TILL. VERY DENSE.
Stratum ID:	218383592	**Top Depth(m):**	6.0
Bottom Depth(m):	7.5	**Stratum Desc:**	BEDROCK. SEISMIC VELOCITY = 11500. BEDROCK. SEISMIC VELOCITY = 17000. 0001802203600

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19 ***1 of 1*** ***W/84.5*** ***112.9 / 1.00*** ***ON*** ***BORE***

Borehole ID:	808452	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	427639.25	**Northing:**	5014066.51
Location Accuracy:		**Orig. Ground Elev m:**	114
Elev. Reliability Note:		**DEM Ground Elev m:**	115
Total Depth m:	2	**Primary Name:**	BH 04-22B
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	06-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596380	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Asphalt
Stratum ID:	218596381	**Top Depth(m):**	0.3
Bottom Depth(m):	0.5	**Stratum Desc:**	Brown Base Sand - Gravel
Stratum ID:	218596382	**Top Depth(m):**	0.5
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown Subbase Sand With: Gr Occasional: Cob
Stratum ID:	218596383	**Top Depth(m):**	0.9
Bottom Depth(m):	1.6	**Stratum Desc:**	Brown Fill-Misc sand silt With: Gr Trace: Cl
Stratum ID:	218596384	**Top Depth(m):**	1.6
Bottom Depth(m):	2.0	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl

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20 ***1 of 1*** ***NW/86.3*** ***111.9 / 0.00*** ***lot 25 con 12 ON*** ***WWIS***

Well ID:	1502966	**Data Entry Status:**	
Construction Date:		**Data Src:**	1

Primary Water Use:	Commerical	**Date Received:**	9/8/1959
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4832
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10025009	**Elevation:**	114.27
DP2BR:	0	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427670.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014142
Cluster Kind:		**UTMRC:**	5
Date Completed:	14-JUL-59	**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:	930995683
Layer:	1
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	85
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502966
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

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

Pipe Information

Pipe ID: 10573579
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042800
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 42
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042801
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991502966
Pump Set At:
Static Level: 20
Final Level After Pumping: 20
Recommended Pump Depth: 20
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: 1
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933455785
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 85
Water Found Depth UOM: ft

21	*1 of 1*	*W/87.4*	*112.3 / 0.43*	*ON*	*BORE*

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

Borehole ID:	808582	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427636.07	**Northing:**	5014070.57
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	115
Total Depth m:	1.5	**Primary Name:**	AH 04-22A
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596963	**Top Depth(m):**	0.4
Bottom Depth(m):	0.6	**Stratum Desc:**	Brown Base Sand - Gravel Occasional: Cob
Stratum ID:	218596964	**Top Depth(m):**	0.6
Bottom Depth(m):	1.5	**Stratum Desc:**	Dark Brown Fill-Misc sand silt With: Org M Trace: Gr
Stratum ID:	218596960	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Asphalt
Stratum ID:	218596961	**Top Depth(m):**	0.2
Bottom Depth(m):	0.4	**Stratum Desc:**	Brown Base Sand - Gravel
Stratum ID:	218596962	**Top Depth(m):**	0.4
Bottom Depth(m):	0.4	**Stratum Desc:**	Asphalt

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22 ***1 of 1*** ***N/89.3*** ***110.9 / -1.00*** ***ON*** ***BORE***

Borehole ID:	808551	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427738.85	**Northing:**	5014161.65
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	113
Total Depth m:	1.5	**Primary Name:**	AH 04-16A
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596826	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Asphalt
Stratum ID:	218596827	**Top Depth(m):**	0.2
Bottom Depth(m):	0.4	**Stratum Desc:**	Brown Base Sand - Gravel
Stratum ID:	218596828	**Top Depth(m):**	0.4
Bottom Depth(m):	0.8	**Stratum Desc:**	Brown Fill-Misc Silt - Sand With: Gr Trace: Cl
Stratum ID:	218596829	**Top Depth(m):**	0.8
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl

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23 ***1 of 1*** ***W/90.7*** ***112.3 / 0.43*** ***ON*** ***BORE***

Borehole ID:	808585	**Type:**	Borehole

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

Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427632.71	**Northing:**	5014074.64
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	115
Total Depth m:	1.5	**Primary Name:**	AH 04-23
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596973	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt
Stratum ID:	218596974	**Top Depth(m):**	0.1
Bottom Depth(m):	0.3	**Stratum Desc:**	Brown Base Sand With: Gr
Stratum ID:	218596975	**Top Depth(m):**	0.3
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Fill-Misc Sand - Gravel With: Cob

---

24 | ***1 of 1*** | ***N/92.7*** | ***110.9 / -1.00*** | ***ON*** | ***BORE***

Borehole ID:	808558	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427734.74	**Northing:**	5014165.73
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	113
Total Depth m:	1.5	**Primary Name:**	AH 04-17
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596843	**Top Depth(m):**	0.0
Bottom Depth(m):	0.5	**Stratum Desc:**	Brown Fill-Misc sand silt With: Gr

---

25 | ***1 of 1*** | ***WNW/94.6*** | ***111.9 / 0.00*** | ***FRANK CANTUSCI UPHOLSTERY
5933 HAZELDEAN ROAD
GOULBOURN TWP. ON K2S 1B9*** | ***GEN***

Generator No.:	ON2064000	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	95,96,97,98	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	2612		
SIC Description:	UPHOLSTERED HH. FURN.		

--Details--

Waste Code:	211
Waste Description:	AROMATIC SOLVENTS

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26 | ***1 of 2*** | ***NE/102.2*** | ***110.9 / -1.00*** | ***5906 Hazeldean Rd
Ottawa ON K2S1B9*** | ***EHS***

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

Order No:	20180312217	**Nearest Intersection:**	
Status:	C	**Municipality:**	Goulbourn
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	19-MAR-18	**Search Radius (km):**	.25
Date Received:	12-MAR-18	**X:**	-75.920622
Previous Site Name:	Residential?	**Y:**	45.277137
Lot/Building Size:	16537.6 ft^2		
Additional Info Ordered:	City Directory		

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26 | ***2 of 2*** | ***NE/102.2*** | ***110.9 / -1.00*** | ***5906 Hazeldean Rd Ottawa ON K2S1B9*** | ***EHS***

Order No:	20180312217	**Nearest Intersection:**	
Status:	C	**Municipality:**	Goulbourn
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	19-MAR-18	**Search Radius (km):**	.25
Date Received:	12-MAR-18	**X:**	-75.920622
Previous Site Name:	Residential?	**Y:**	45.277137
Lot/Building Size:	16537.6 ft^2		
Additional Info Ordered:	City Directory		

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27 | ***1 of 1*** | ***WNW/111.4*** | ***111.9 / 0.00*** | ***lot 25 con 12 ON*** | ***WWIS***

Well ID:	1502967	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/4/1962
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10025010	**Elevation:**	114.69
DP2BR:	5	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427625.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014127
Cluster Kind:		**UTMRC:**	5
Date Completed:	30-AUG-62	**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: 930995685
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 5
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995684
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502967
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573580
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042802
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930042803
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502967
Pump Set At:	
Static Level:	10
Final Level After Pumping:	100
Recommended Pump Depth:	100
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
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:	933455786
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	120
Water Found Depth UOM:	ft

---

28 ***1 of 1*** ***NNE/125.2*** ***110.9 / -1.00*** ***5903 Hazeldean Road Ottawa ON K2S 1B9*** ***EHS***

Order No:	20071113014	***Nearest Intersection:***	Hazeldean and Johnswood Street
Status:	C	***Municipality:***	Ottawa (formerly Goulbourn)
Report Type:	CAN - Complete Report	***Client Prov/State:***	
Report Date:	11/14/2007	***Search Radius (km):***	0.25
Date Received:	11/13/2007	***X:***	-75.921061
Previous Site Name:		***Y:***	45.277533
Lot/Building Size:	4054 square metres		
Additional Info Ordered:	Title Search		

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29 ***1 of 1*** ***NE/127.7*** ***109.8 / -2.08*** ***lot 26 con 11 ON*** ***WWIS***

Well ID:	1502908	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/4/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	

Water Type:		***Contractor:***	4824
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
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:	10024951	***Elevation:***	112.7
DP2BR:	12	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427815.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014162
Cluster Kind:		***UTMRC:***	5
Date Completed:	20-MAY-51	***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:	930995553
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
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:	930995554
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 12
Formation End Depth: 70
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502908
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573521
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042684
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042683
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991502908
Pump Set At:
Static Level: 15
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

Water Details

Water ID:	933455720
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

---

30 | ***1 of 1*** | ***NE/134.8*** | ***109.8 / -2.08*** | ***lot 26 con 11 ON*** | ***WWIS***

Well ID:	1502909	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/19/1953
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4824
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
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:	10024952	***Elevation:***	112.45
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427815.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014172
Cluster Kind:		***UTMRC:***	5
Date Completed:	23-APR-53	***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:	930995555
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
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: 930995556
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 46
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502909
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573522
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042685
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042686
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 46
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991502909
Pump Set At:	
Static Level:	8
Final Level After Pumping:	10
Recommended Pump Depth:	
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455721
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40
Water Found Depth UOM:	ft

---

31 ***1 of 1*** ***NNW/143.2*** ***111.4 / -0.43*** ***lot 25 con 12 ON*** ***WWIS***

Well ID:	1502965	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/16/1957
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4824
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10025008	***Elevation:***	114.04
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427650.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014197
Cluster Kind:		***UTMRC:***	5

Date Completed: 14-FEB-57
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995681
Layer: 1
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
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: 930995682
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
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: 961502965
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573578
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042799
Layer: 2

Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042798
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502965
Pump Set At:	
Static Level:	15
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455784
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90
Water Found Depth UOM:	ft

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32 | ***1 of 1*** | ***N/144.3*** | ***110.9 / -1.00*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1502974	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/8/1954
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4824
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP

Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Site Info:
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10025017
DP2BR: 20
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 13-OCT-54
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 112.95
Elevrc:
Zone: 18
East83: 427740.6
Org CS:
North83: 5014217
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995699
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 20
Formation End Depth: 60
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995698
Layer: 1
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961502974
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573587
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042816
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042815
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502974
Pump Set At:	
Static Level:	15
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	2
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455795
Layer:	1

Kind Code: 1
Kind: FRESH
Water Found Depth: 55
Water Found Depth UOM: ft

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33 | **1 of 1** | **NNE/149.4** | **110.9 / -1.00** | **lot 26 con 12 ON** | **WWIS**

Well ID: 1502977
Construction Date:
Primary Water Use: Commerical
Sec. Water Use: Domestic
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: 9/8/1959
Selected Flag: Yes
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GOULBOURN TOWNSHIP
Site Info:
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10025020
DP2BR: 25
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 08-AUG-57
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 112.46
Elevrc:
Zone: 18
East83: 427765.6
Org CS:
North83: 5014217
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995706
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 25
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	930995705
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502977
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573590
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042822
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	69
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042821
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:	991502977
Pump Set At:	

Static Level:	18
Final Level After Pumping:	23
Recommended Pump Depth:	23
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:	1
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933455798
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50
Water Found Depth UOM:	ft

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34 | ***1 of 1*** | ***N/150.0*** | ***110.9 / -1.00*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1510030	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/5/1969
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3701
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10032061	**Elevation:**	113.58
DP2BR:	7	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427700.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014222
Cluster Kind:		**UTMRC:**	4
Date Completed:	09-APR-69	**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: 931013702
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 40
Formation End Depth: 80
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013700
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 7
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013701
Layer: 2
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 40
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510030
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580631
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056742
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056741
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510030
Pump Set At:
Static Level: 5
Final Level After Pumping: 60
Recommended Pump Depth: 70
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 4
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: 933464963
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40
Water Found Depth UOM: ft

Water Details

Water ID: 933464964

Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75
Water Found Depth UOM:	ft

35 **1 of 1** **NE/153.2** **109.9 / -2.00** **ON** **BORE**

Borehole ID:	609594	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	427821	**Northing:**	5014192
Location Accuracy:		**Orig. Ground Elev m:**	108
Elev. Reliability Note:		**DEM Ground Elev m:**	112
Total Depth m:	-999	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:		**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218383593	**Top Depth(m):**	0.0
Bottom Depth(m):	5.5	**Stratum Desc:**	CLAY,BOULDERS.
Stratum ID:	218383594	**Top Depth(m):**	5.5
Bottom Depth(m):		**Stratum Desc:**	BEDROCK,LIMESTONE. UNSPECIFIED,TILL. VERY DENSE. BEDROCK. SEISMIC VELOCITY = 11500.

36 **1 of 1** **NW/156.7** **111.9 / 0.00** **lot 25 con 12** **ON** **WWIS**

Well ID:	1502964	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/19/1953
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4824
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10025007	**Elevation:**	114.34
DP2BR:	0	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427605.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014177

Cluster Kind:
Date Completed: 07-MAY-53
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995679
Layer: 1
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2: 17
Other Materials: SHALE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995680
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
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: 961502964
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573577
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042797

Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042796
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	12
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502964
Pump Set At:	
Static Level:	12
Final Level After Pumping:	15
Recommended Pump Depth:	
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455783
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

37	*1 of 1*	*NE/159.7*	*109.9 / -2.00*	*lot 26 con 11 ON*	*WWIS*

Well ID:	1502915	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/5/1959
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4833
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON

Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
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:	10024958	***Elevation:***	111.79
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427830.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014192
Cluster Kind:		***UTMRC:***	5
Date Completed:	30-MAY-59	***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:	930995567
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	87
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995566
Layer:	1
Color:	
General Color:	
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502915
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573528
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042697
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042698
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	87
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502915
Pump Set At:	
Static Level:	15
Final Level After Pumping:	30
Recommended Pump Depth:	30
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:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455727

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

Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 85
Water Found Depth UOM: ft

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38 **1 of 7** **W/164.6** **112.9 / 1.00** **1590675 Ontario Inc.**
5943 Hazeldean Rd Lot 25, Concession 12
Ottawa ON **CA**

Certificate #: 7875-76GLCP
Application Year: 2007
Issue Date: 8/28/2007
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:

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38 **2 of 7** **W/164.6** **112.9 / 1.00** **CST Canada Co.**
5943 Hazeldean Rd
Ottawa ON B3J 3N2 **ECA**

Approval No: 3481-A9UL4T
Approval Date: 2016-05-24
Status: Approved
Record Type: ECA
Link Source: IDS
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Address: 5943 Hazeldean Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5910-A58MVK-14.pdf
SWP Area Name: Mississippi Valley
MOE District: Ottawa
City: Ottawa
Longitude: -75.92469
Latitude: 45.2771569999999

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38 **3 of 7** **W/164.6** **112.9 / 1.00** **1590675 Ontario Inc.**
5943 Hazeldean Rd Lot 25, Concession 12
Ottawa ON K1N 7B7 **ECA**

Approval No: 7875-76GLCP
Approval Date: 2007-08-28
Status: Approved
Record Type: ECA
Link Source: IDS
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 5943 Hazeldean Rd Lot 25, Concession 12
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8227-75WR59-14.pdf
SWP Area Name: Mississippi Valley
MOE District: Ottawa
City: Ottawa
Longitude: -75.92469
Latitude: 45.2771569999999

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38 **4 of 7** **W/164.6** **112.9 / 1.00** **1590675 Ontario Inc.**
5943 Hazeldean Rd Lot 25, Concession 12
Ottawa ON K1N 7B7 **ECA**

Approval No: 9626-76GL8G
Approval Date: 2007-08-28
SWP Area Name: Mississippi Valley
MOE District: Ottawa

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

Status:	Approved	**City:**	
Record Type:	ECA	**Longitude:**	-75.92469
Link Source:	IDS	**Latitude:**	45.277156999999995
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Address:	5943 Hazeldean Rd Lot 25, Concession 12		
Full Address:			
Full PDF Link:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
38	5 of 7	W/164.6	112.9 / 1.00	CST CANADA CO 5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No:	64740583
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	50000
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Double Wall UST
Install Year:	2016
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
38	6 of 7	W/164.6	112.9 / 1.00	CST CANADA CO 5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No:	64740584
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	50000
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Double Wall UST
Install Year:	2016
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
38	7 of 7	W/164.6	112.9 / 1.00	CST CANADA CO 5943 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No:	64740585
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	50000
Tank Material:	Fiberglass (FRP)
Corrosion Protection:	Fiberglass
Tank Type:	Double Wall UST
Install Year:	2016
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
39	1 of 1	NNE/165.4	109.8 / -2.03	lot 26 con 12 ON	WWIS

Well ID:	1502979	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/5/1960
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4824
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10025022	**Elevation:**	112.02
DP2BR:	25	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427785.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014227
Cluster Kind:		**UTMRC:**	5
Date Completed:	11-AUG-59	**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:	930995711
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	25
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995710
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:	25
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502979
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573592
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042826
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	68
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042825
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:	991502979
Pump Set At:	
Static Level:	15
Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	4
Flowing Rate:	

Recommended Pump Rate:	4
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455802
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68
Water Found Depth UOM:	ft

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40 | ***1 of 1*** | ***N/165.8*** | ***110.9 / -1.00*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1514141	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/8/1974
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:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10036119	**Elevation:**	113.18
DP2BR:	9	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427710.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014239
Cluster Kind:		**UTMRC:**	4
Date Completed:	26-JUN-74	**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:	931025440
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Other Materials:	BOULDERS
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931025441
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	9
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514141
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10584689
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930063815
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 930063814
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

Results of Well Yield Testing

Pump Test ID: 991514141
Pump Set At:
Static Level: 20
Final Level After Pumping: 55
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: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934381375
Test Type: Draw Down
Test Duration: 30
Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899837
Test Type: Draw Down
Test Duration: 60
Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934642368
Test Type: Draw Down
Test Duration: 45
Test Level: 55
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934099049
Test Type: Draw Down
Test Duration: 15
Test Level: 55
Test Level UOM: ft

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

Water Details

Water ID:	933469947
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	80
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	NE/165.9	109.9 / -2.00	lot 26 con 11 ON	WWIS

Well ID:	1502916	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/8/1959
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4833
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	11
Overburden/Bedrock:		***Concession Name:***	CON
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:	10024959	***Elevation:***	112.01
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427860.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014167
Cluster Kind:		***UTMRC:***	5
Date Completed:	06-JUN-59	***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:	930995569
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	

Other Materials:
Formation Top Depth: 20
Formation End Depth: 76
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995568
Layer: 1
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502916
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573529
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042700
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042699
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991502916
Pump Set At:	
Static Level:	12
Final Level After Pumping:	12
Recommended Pump Depth:	12
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:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455728
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74
Water Found Depth UOM:	ft

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42 ***1 of 2*** ***W/169.9*** ***112.9 / 1.00*** ***ON*** ***BORE***

Borehole ID:	609588	***Type:***	Borehole
Use:		***Status:***	
Drill Method:		***UTM Zone:***	18
Easting:	427556	***Northing:***	5014047
Location Accuracy:		***Orig. Ground Elev m:***	112
Elev. Reliability Note:		***DEM Ground Elev m:***	114
Total Depth m:	16.5	***Primary Name:***	
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	OCT-1952	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

--Details--

Stratum ID:	218383578	***Top Depth(m):***	0.0
Bottom Depth(m):	3.0	***Stratum Desc:***	GRAVEL,SOIL.
Stratum ID:	218383579	***Top Depth(m):***	3.0
Bottom Depth(m):	16.5	***Stratum Desc:***	LIMESTONE. GREY. 00015 00095ACK. 00053ITY = 3300. BEDROCK. SEISMIC VELOCITY = 11500.

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42 ***2 of 2*** ***W/169.9*** ***112.9 / 1.00*** ***lot 25 con 12 ON*** ***WWIS***

Well ID:	1502962	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/8/1952
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4824
Casing Material:		***Form Version:***	1

Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10025005	***Elevation:***	114.83
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427555.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014047
Cluster Kind:		***UTMRC:***	5
Date Completed:	08-OCT-52	***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:	930995675
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	02
Other Materials:	TOPSOIL
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995676
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10

Formation End Depth: 54
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502962
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573575
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042791
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042792
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 54
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991502962
Pump Set At:
Static Level: 15
Final Level After Pumping: 20
Recommended Pump Depth:
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: N

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

Water Details

Water ID:	933455781
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	15
Water Found Depth UOM:	ft

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43 | ***1 of 1*** | ***NE/171.2*** | ***109.9 / -2.00*** | ***2 Savage Drive Stittsville ON K2S 1B9*** | ***EHS***

Order No:	20121107007	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	13-NOV-12	***Search Radius (km):***	.25
Date Received:	07-NOV-12	***X:***	-75.920215
Previous Site Name:		***Y:***	45.277701
Lot/Building Size:			
Additional Info Ordered:			

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44 | ***1 of 1*** | ***W/172.7*** | ***112.9 / 1.00*** | ***5943 Hazeldean Rd Ottawa ON K2S1B9*** | ***EHS***

Order No:	20150508165	***Nearest Intersection:***	
Status:	C	***Municipality:***	Ottawa
Report Type:	RSC Report (Urban)	***Client Prov/State:***	ON
Report Date:	15-MAY-15	***Search Radius (km):***	.3
Date Received:	08-MAY-15	***X:***	-75.923671
Previous Site Name:	Unknown	***Y:***	45.27629
Lot/Building Size:	0.68 ha		
Additional Info Ordered:	City Directory		

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45 | ***1 of 2*** | ***NNW/174.6*** | ***110.9 / -1.00*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1514142	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/8/1974
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:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10036120	***Elevation:***	113.61
DP2BR:	10	***Elevrc:***	

Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427674.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014241
Cluster Kind:		***UTMRC:***	4
Date Completed:	27-JUN-74	***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:	931025442
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13
Other Materials:	BOULDERS
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931025443
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	10
Formation End Depth:	68
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514142
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10584690
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930063817
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063818
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	68
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063816
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

Results of Well Yield Testing

Pump Test ID:	991514142
Pump Set At:	
Static Level:	22
Final Level After Pumping:	45
Recommended Pump Depth:	55
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:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934642369
Test Type:	Draw Down
Test Duration:	45
Test Level:	45

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899838
Test Type: Draw Down
Test Duration: 60
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934099050
Test Type: Draw Down
Test Duration: 15
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934381376
Test Type: Draw Down
Test Duration: 30
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933469948
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68
Water Found Depth UOM: ft

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45 ***2 of 2*** ***NNW/174.6*** ***110.9 / -1.00*** ***lot 26 con 12 ON*** ***WWIS***

Well ID:	1511636	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/13/1972
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:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10033630	**Elevation:**	113.59
DP2BR:	6	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427675.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014242
Cluster Kind:		**UTMRC:**	4
Date Completed:	18-NOV-71	**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:	931018334
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	74
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931018333
Layer:	1
Color:	6
General Color:	BROWN
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

Method of Construction & Well Use

Method Construction ID:	961511636
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10582200
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930059744
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059745
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	74
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991511636
Pump Set At:	
Static Level:	15
Final Level After Pumping:	50
Recommended Pump Depth:	65
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934644965
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934098289
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901883
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382831
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933466857
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73
Water Found Depth UOM:	ft

46 ***1 of 1*** ***NNE/185.5*** ***109.8 / -2.03*** ***lot 26 con 12 STITTSVILLE ON*** ***WWIS***

Well ID:	7105320	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Monitoring	***Date Received:***	2/26/2008
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Monitoring and Test Hole	***Abandonment Rec:***	
Water Type:		***Contractor:***	1844
Casing Material:		***Form Version:***	4
Audit No:	Z63817	***Owner:***	
Tag:	A051306	***Street Name:***	5891 HAZELDEAN ROAD
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	1001598148	***Elevation:***	111.73
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427784
Code OB Desc:		***Org CS:***	UTM83
Open Hole:		***North83:***	5014249
Cluster Kind:		***UTMRC:***	3
Date Completed:	08-JAN-08	***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: 1001724499
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: .03
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724500
Layer: 2
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: .03
Formation End Depth: .3
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724502
Layer: 4
Color: 6
General Color: BROWN
Mat1: 34
Most Common Material: TILL
Mat2: 81
Other Materials: SANDY
Mat3: 13
Other Materials: BOULDERS
Formation Top Depth: 2.18
Formation End Depth: 4.8
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724501
Layer: 3
Color: 6

General Color:	BROWN
Mat1:	34
Most Common Material:	TILL
Mat2:	81
Other Materials:	SANDY
Mat3:	
Other Materials:	
Formation Top Depth:	.3
Formation End Depth:	2.18
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001724503
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	26
Other Materials:	ROCK
Mat3:	
Other Materials:	
Formation Top Depth:	4.8
Formation End Depth:	8.8
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001724505
Layer:	1
Plug From:	0
Plug To:	4
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001724510
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	HSA

Pipe Information

Pipe ID:	1001724498
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001724507
Layer:	
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	6.5
Casing Diameter:	5.1
Casing Diameter UOM:	cm

Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001724508
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Water Details

Water ID: 1001724506
Layer: 1
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001724504
Diameter: 20
Depth From:
Depth To: 8.8
Hole Depth UOM: m
Hole Diameter UOM: cm

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47 ***1 of 1*** ***NW/186.3*** ***111.9 / 0.00*** ***ON*** ***BORE***

Borehole ID: 609596
Use:
Drill Method:
Easting: 427611
Location Accuracy:
Elev. Reliability Note:
Total Depth m: -999
Township:
Lot:
Completion Date:
Primary Water Use:

Type: Borehole
Status:
UTM Zone: 18
Northing: 5014222
Orig. Ground Elev m: 112
DEM Ground Elev m: 114
Primary Name:
Concession:
Municipality:
Static Water Level: -13
Sec. Water Use:

--Details--
Stratum ID: 218383597
Bottom Depth(m): 1.5
Top Depth(m): 0.0
Stratum Desc: UNSPECIFIED.

Stratum ID: 218383598
Bottom Depth(m):
Top Depth(m): 1.5
Stratum Desc: BEDROCK,LIMESTONE. STABLE AT 415.0 FEET.VERY DENSE. BEDROCK. SEISMIC VELOCITY = 11500.

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48 ***1 of 1*** ***NE/187.5*** ***109.9 / -2.00*** ***ON*** ***BORE***

Borehole ID: 808541
Type: Borehole

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

Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427830.66	**Northing:**	5014227.44
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	111
Total Depth m:	1.5	**Primary Name:**	AH 04-14
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596786	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Asphalt
Stratum ID:	218596787	**Top Depth(m):**	0.2
Bottom Depth(m):	0.3	**Stratum Desc:**	Brown Base Sand - Gravel
Stratum ID:	218596788	**Top Depth(m):**	0.3
Bottom Depth(m):	0.4	**Stratum Desc:**	Brown Subbase Sand - Gravel Occasional: Cob
Stratum ID:	218596789	**Top Depth(m):**	0.4
Bottom Depth(m):	0.8	**Stratum Desc:**	Dark Brown Fill-Misc sand silt Trace: Gr Tr Org M
Stratum ID:	218596790	**Top Depth(m):**	0.8
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl

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49 ***1 of 1*** ***NNE/189.1*** ***109.9 / -2.00*** ***ON*** ***BORE***

Borehole ID:	808442	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	427825.27	**Northing:**	5014233.04
Location Accuracy:		**Orig. Ground Elev m:**	110
Elev. Reliability Note:		**DEM Ground Elev m:**	111
Total Depth m:	1.9	**Primary Name:**	BH 04-15A
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596348	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Asphalt
Stratum ID:	218596349	**Top Depth(m):**	0.3
Bottom Depth(m):	0.6	**Stratum Desc:**	Brown Base Sand - Gravel
Stratum ID:	218596350	**Top Depth(m):**	0.6
Bottom Depth(m):	0.8	**Stratum Desc:**	Dark Brown Fill-Misc sand silt Trace: Gr Tr Org M
Stratum ID:	218596351	**Top Depth(m):**	0.8
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Loose Silt - Sand Trace: Org M the organic matter = rootlets
Stratum ID:	218596352	**Top Depth(m):**	1.5
Bottom Depth(m):	1.9	**Stratum Desc:**	Brown Loose Till Silt - Sand With: Gr Trace: Cl

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	1 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No:	10981774
Instance ID:	58602
Instance Type:	FS Liquid Fuel Tank
Description:	FS Liquid Fuel Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	2 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No:	10981731
Instance ID:	58445
Instance Type:	FS Liquid Fuel Tank
Description:	FS Liquid Fuel Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	3 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No:	10981746
Instance ID:	58753
Instance Type:	FS Liquid Fuel Tank
Description:	FS Liquid Fuel Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	4 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No:	10981790
Instance ID:	59154
Instance Type:	FS Liquid Fuel Tank
Description:	FS Liquid Fuel Tank
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	5 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	EXP

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

Instance No: 11167587
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 3/1/2010 11:35

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	6 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No: 10981738
Instance ID: 58514
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	7 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No: 10981756
Instance ID: 58575
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	8 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No: 10981796
Instance ID: 58522
Instance Type: FS Piping
Description: FS Piping
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	9 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Instance No: 10981781
Instance ID: 58802

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Type:		FS Piping			
Description:		FS Piping			
Status:		EXPIRED			
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:					
Expired Date:					

50	10 of 26	N/189.7	110.6 / -1.31	**MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE ON**	EXP

Instance No:	11405482
Instance ID:	83216
Instance Type:	FS Piping
Description:	FS Piping
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	
Expired Date:	

50	11 of 26	N/189.7	110.6 / -1.31	**MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE ON K2S 1B9**	EXP

Instance No:	10981731
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Self Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	3/1/2010 11:36:52 AM

50	12 of 26	N/189.7	110.6 / -1.31	**MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE ON K2S 1B9**	EXP

Instance No:	10981774
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Self Serve
Status:	EXPIRED
TSSA Program Area:	
Maximum Hazard Rank:	
Facility Type:	FS Liquid Fuel Tank
Expired Date:	3/1/2010 11:38:18 AM

50	13 of 26	N/189.7	110.6 / -1.31	**MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE ON K2S 1B9**	EXP

Instance No:	10981746
Instance ID:	
Instance Type:	FS Liquid Fuel Tank
Description:	FS Gasoline Station - Self Serve
Status:	EXPIRED

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

TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 3/1/2010 11:37:38 AM

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50 | ***14 of 26*** | ***N/189.7*** | ***110.6 / -1.31*** | ***MR GAS LIMITED *****
5899 HAZELDEAN RD
STITTSVILLE ON K2S 1B9 | ***EXP***

Instance No: 10981790
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Gasoline Station - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 3/1/2010 11:39:01 AM

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50 | ***15 of 26*** | ***N/189.7*** | ***110.6 / -1.31*** | ***MR GAS LIMITED *****
5899 HAZELDEAN RD
STITTSVILLE ON K2S 1B9 | ***EXP***

Instance No: 11167587
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: FS Gasoline Station - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 3/1/2010 11:35:52 AM

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50 | ***16 of 26*** | ***N/189.7*** | ***110.6 / -1.31*** | ***MR GAS LIMITED *****
5899 HAZELDEAN RD
STITTSVILLE ON K2S 1B9 | ***FST***

Instance No: 11167567
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 13500
Tank Material: Steel
Corrosion Protection: Sacrificial anode
Tank Type: Single Wall UST
Install Year: 1990
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

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50 | ***17 of 26*** | ***N/189.7*** | ***110.6 / -1.31*** | ***MR GAS LIMITED *****
5899 HAZELDEAN RD
STITTSVILLE ON K2S 1B9 | ***FST***

Instance No: 11167563
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active

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

Capacity:	13500
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	18 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No:	11167544
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	35000
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	19 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No:	11167580
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Diesel
Status:	Active
Capacity:	13500
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	20 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No:	11167560
Cont Name:	
Instance Type:	FS Liquid Fuel Tank
Fuel Type:	Gasoline
Status:	Active
Capacity:	13500
Tank Material:	Steel
Corrosion Protection:	Sacrificial anode
Tank Type:	Single Wall UST
Install Year:	1990
Parent Facility Type:	FS Gasoline Station - Self Serve
Facility Type:	FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	21 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON K2S 1B9	FST

Instance No: 11167572
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 13500
Tank Material: Steel
Corrosion Protection: Sacrificial anode
Tank Type: Single Wall UST
Install Year: 1990
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Type: FS Liquid Fuel Tank

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	22 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ATTN LILIANNE LEVAC ** 5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON K2S 1B9	FSTH

License Issue Date: 5/24/2002
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
50	23 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	FSTH

License Issue Date: 5/24/2002
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1990
Corrosion Protection:
Capacity: 13600
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 35000
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 13500
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 13500
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 13500
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 13500
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 13500
Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 13500

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Fuel Type:		Liquid Fuel Single Wall UST - Other			

50	24 of 26	N/189.7	110.6 / -1.31	MR GAS LIMITED ATTN LILIANNE LEVAC 5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON	PRT

Location ID: 14097
Type: retail
Expiry Date: 1995-06-30
Capacity (L): 54400
Licence #: 0010002013

50	25 of 26	N/189.7	110.6 / -1.31	MR GAS 004 5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS
Phone:
List Name:
Description:

50	26 of 26	N/189.7	110.6 / -1.31	MR GAS 004 5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	RST

Headcode: 01186800
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL GAS
Phone: 6138362769
List Name: INFO-DIRECT(TM) BUSINESS FILE
Description:

51	1 of 1	NNE/190.8	109.9 / -2.00	ON	BORE

Borehole ID:	808545	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427822.58	**Northing:**	5014236.59
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	111
Total Depth m:	1.5	**Primary Name:**	AH 04-15
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596804	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt
Stratum ID:	218596805	**Top Depth(m):**	0.1
Bottom Depth(m):	0.3	**Stratum Desc:**	Grey Crushed Stone BASE
Stratum ID:	218596806	**Top Depth(m):**	0.3
Bottom Depth(m):	0.5	**Stratum Desc:**	Brown Subbase Sand - Gravel Occasional: Cob
Stratum ID:	218596807	**Top Depth(m):**	0.5

Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl

52 | **1 of 1** | **NNE/199.9** | **109.9 / -2.00** | **lot 26 con 12 ON** | **WWIS**

Well ID:	1502970	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Commerical	**Date Received:**	12/21/1949
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4824
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10025013	**Elevation:**	111.46
DP2BR:	8	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427790.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014262
Cluster Kind:		**UTMRC:**	9
Date Completed:	15-APR-48	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995691
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995690
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502970
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573583
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042809
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	35
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042808
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	8
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502970
Pump Set At:	
Static Level:	6
Final Level After Pumping:	

Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	4
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:	933455789
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	34
Water Found Depth UOM:	ft

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53 ***1 of 1*** ***NE/203.2*** ***110.0 / -1.92*** ***ON*** ***BORE***

Borehole ID:	808537	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status:***	
Drill Method:	Hand auger	***UTM Zone:***	18
Easting:	427842.71	***Northing:***	5014238.21
Location Accuracy:		***Orig. Ground Elev m:***	-999.9
Elev. Reliability Note:		***DEM Ground Elev m:***	111
Total Depth m:	1.5	***Primary Name:***	AH 04-13
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	10-MAY-2004	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

--Details--

Stratum ID:	218596767	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	Asphalt
Stratum ID:	218596768	***Top Depth(m):***	0.1
Bottom Depth(m):	0.3	***Stratum Desc:***	Grey Crushed Stone BASE
Stratum ID:	218596769	***Top Depth(m):***	0.3
Bottom Depth(m):	0.4	***Stratum Desc:***	Brown Subbase Sand - Gravel
Stratum ID:	218596770	***Top Depth(m):***	0.4
Bottom Depth(m):	0.5	***Stratum Desc:***	Topsoil
Stratum ID:	218596771	***Top Depth(m):***	0.5
Bottom Depth(m):	0.7	***Stratum Desc:***	Grey-Brown sand silt Trace: Org M
Stratum ID:	218596772	***Top Depth(m):***	0.7
Bottom Depth(m):	1.5	***Stratum Desc:***	Brown Till Silt - Sand With: Gr Trace: Cl

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54 ***1 of 1*** ***NNW/208.4*** ***110.9 / -1.00*** ***lot 26 con 12 ON*** ***WWIS***

Well ID:	1514143	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/8/1974

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:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	026
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10036121	**Elevation:**	113.5
DP2BR:	14	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427662.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014273
Cluster Kind:		**UTMRC:**	4
Date Completed:	29-JUN-74	**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:	931025445
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	14
Formation End Depth:	60
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931025444
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	13

Other Materials:	BOULDERS
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961514143
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10584691
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930063820
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	38
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063819
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	15
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063821
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991514143

Pump Set At:	
Static Level:	28
Final Level After Pumping:	50
Recommended Pump Depth:	55
Pumping Rate:	6
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:	934899839
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099051
Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934381377
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642370
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933469949
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	59
Water Found Depth UOM:	ft

55	***1 of 1***	***NNE/209.7***	***109.9 / -1.97***	***lot 26 con 12 ON***	***WWIS***

Well ID: 1502976 ***Data Entry Status:***

Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/16/1957
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4824
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10025019	***Elevation:***	111.17
DP2BR:	20	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427815.6
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	5014262
Cluster Kind:		***UTMRC:***	9
Date Completed:	18-JUL-57	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995704
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995702
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: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995703
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 20
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502976
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573589
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042819
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042820
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 4

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991502976
Pump Set At:	
Static Level:	15
Final Level After Pumping:	20
Recommended Pump Depth:	
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455797
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

---

56 ***1 of 1*** ***NW/212.9*** ***111.9 / 0.00*** ***lot 25 con 12 ON*** ***WWIS***

Well ID:	1512293	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/10/1973
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10034285	***Elevation:***	114.14
DP2BR:	10	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427570.6
Code OB Desc:	Bedrock	***Org CS:***	

Open Hole:
Cluster Kind:
Date Completed: 06-OCT-72
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

North83: 5014222
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931020221
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Other Materials: STONES
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931020222
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 35
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961512293
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10582855
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930060788
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 35
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930060787
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991512293
Pump Set At:
Static Level: 8
Final Level After Pumping: 25
Recommended Pump Depth: 25
Pumping Rate: 10
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: 934647246
Test Type: Draw Down
Test Duration: 45
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376919
Test Type: Draw Down
Test Duration: 30
Test Level: 25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097946
Test Type: Draw Down
Test Duration: 15

Test Level: 23
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895403
Test Type: Draw Down
Test Duration: 60
Test Level: 25
Test Level UOM: ft

Water Details

Water ID: 933467691
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35
Water Found Depth UOM: ft

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57 | **1 of 1** | **WSW/219.9** | **113.9 / 2.00** | **ON** | **BORE**

Borehole ID: 808587
Use: Geotechnical/Geological Investigation
Drill Method: Hand auger
Easting: 427531.09
Location Accuracy:
Elev. Reliability Note:
Total Depth m: 1.2
Township:
Lot:
Completion Date: 10-MAY-2004
Primary Water Use:
Type: Borehole
Status:
UTM Zone: 18
Northing: 5013967.04
Orig. Ground Elev m: -999.9
DEM Ground Elev m: 116
Primary Name: AH 04-24
Concession:
Municipality:
Static Water Level: -999.9
Sec. Water Use:

--Details--

Stratum ID: 218596985
Bottom Depth(m): 0.1
Top Depth(m): 0.0
Stratum Desc: Asphalt

Stratum ID: 218596986
Bottom Depth(m): 0.1
Top Depth(m): 0.1
Stratum Desc: Grey Crushed Stone BASE

Stratum ID: 218596987
Bottom Depth(m): 0.2
Top Depth(m): 0.1
Stratum Desc: Asphalt

Stratum ID: 218596988
Bottom Depth(m): 0.6
Top Depth(m): 0.2
Stratum Desc: Brown Base Sand - Gravel

Stratum ID: 218596989
Bottom Depth(m): 0.9
Top Depth(m): 0.6
Stratum Desc: Brown Subbase Sand - Gravel Occasional: Cob

Stratum ID: 218596990
Bottom Depth(m): 1.0
Top Depth(m): 0.9
Stratum Desc: Grey-Brown clay silt Trace: Org M

Stratum ID: 218596991
Bottom Depth(m): 1.2
Top Depth(m): 1.0
Stratum Desc: Brown Till Silt - Sand With: Gr Trace: Cl

---

58 | **1 of 1** | **WSW/222.7** | **113.9 / 2.00** | **ON** | **BORE**

Borehole ID: 808589
Type: Borehole

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

Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427523.2	**Northing:**	5013976.18
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	115
Total Depth m:	1.6	**Primary Name:**	AH 04-25
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218596998	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Asphalt
Stratum ID:	218596999	**Top Depth(m):**	0.2
Bottom Depth(m):	0.4	**Stratum Desc:**	Brown-Grey Base Sand - Gravel
Stratum ID:	218597000	**Top Depth(m):**	0.4
Bottom Depth(m):	1.0	**Stratum Desc:**	Dark Brown Fill-Misc Sand With: Gr Trace: Org M
Stratum ID:	218597001	**Top Depth(m):**	1.0
Bottom Depth(m):	1.4	**Stratum Desc:**	Brown Till Silt - Sand With: Gr Trace: Cl
Stratum ID:	218597002	**Top Depth(m):**	1.4
Bottom Depth(m):	1.5	**Stratum Desc:**	Bedrock

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59 ***1 of 1*** ***WSW/223.4*** ***113.9 / 2.00*** ***ON*** ***BORE***

Borehole ID:	808594	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	427521.61	**Northing:**	5013977.71
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	115
Total Depth m:	1.1	**Primary Name:**	AH 04-26
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	10-MAY-2004	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--Details--

Stratum ID:	218597026	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt
Stratum ID:	218597027	**Top Depth(m):**	0.1
Bottom Depth(m):	0.2	**Stratum Desc:**	Grey Crushed Stone BASE
Stratum ID:	218597028	**Top Depth(m):**	0.2
Bottom Depth(m):	0.4	**Stratum Desc:**	Brown-Grey Subbase Sand - Gravel
Stratum ID:	218597029	**Top Depth(m):**	0.4
Bottom Depth(m):	1.1	**Stratum Desc:**	Brown Fill-Misc Sand - Gravel Occasional: Cob

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60 ***1 of 1*** ***WSW/225.7*** ***113.9 / 2.00*** ***ON*** ***BORE***

Borehole ID:	808599	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	

Drill Method:	Hand auger	***UTM Zone:***	18
Easting:	427516.38	***Northing:***	5013983.81
Location Accuracy:		***Orig. Ground Elev m:***	-999.9
Elev. Reliability Note:		***DEM Ground Elev m:***	115
Total Depth m:	1.1	***Primary Name:***	AH 04-27
Township:		***Concession:***	
Lot:		***Municipality:***	
Completion Date:	10-MAY-2004	***Static Water Level:***	-999.9
Primary Water Use:		***Sec. Water Use:***	

--Details--

Stratum ID:	218597054	***Top Depth(m):***	0.4
Bottom Depth(m):	0.9	***Stratum Desc:***	Light Brown Fill-Misc sand silt With: Gr Trace: Org M
Stratum ID:	218597051	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	Asphalt
Stratum ID:	218597052	***Top Depth(m):***	0.1
Bottom Depth(m):	0.2	***Stratum Desc:***	Grey Crushed Stone BASE
Stratum ID:	218597053	***Top Depth(m):***	0.2
Bottom Depth(m):	0.4	***Stratum Desc:***	Brown Subbase Sand - Gravel
Stratum ID:	218597055	***Top Depth(m):***	0.9
Bottom Depth(m):	1.0	***Stratum Desc:***	Topsoil
Stratum ID:	218597056	***Top Depth(m):***	1.0
Bottom Depth(m):	1.1	***Stratum Desc:***	Brown Till Silt - Sand With: Gr Trace: Cl

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61 ***1 of 2*** ***SSW/234.3*** ***112.9 / 1.00*** ***TAMARACK DEVELOPMENT CORPORATION PH.III GRAND HARBOUR CRT. OLD ORCHARD GOULBOURN TWP. ON*** ***CA***

Certificate #:	3-0733-89-
Application Year:	89
Issue Date:	6/29/1989
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

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61 ***2 of 2*** ***SSW/234.3*** ***112.9 / 1.00*** ***TAMARACK DEVELOPMENT CORPORATION PH.III GRAND HARBOUR CRT. OLD ORCHARD GOULBOURN TWP. ON*** ***CA***

Certificate #:	7-0640-89-
Application Year:	89
Issue Date:	6/29/1989
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	

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

Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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62 **1 of 1** **WSW/238.9** **113.7 / 1.85** **lot 25 con 12 ON** **WWIS**

Well ID:	1513318	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/13/1973
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3644
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10035305	**Elevation:**	115.25
DP2BR:	0	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427492.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014012
Cluster Kind:		**UTMRC:**	4
Date Completed:	23-MAR-73	**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:	931023016
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	

Formation Top Depth:	4
Formation End Depth:	142
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931023015
Layer:	1
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513318
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10583875
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062542
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	100
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513318
Pump Set At:	
Static Level:	2
Final Level After Pumping:	30
Recommended Pump Depth:	30
Pumping Rate:	20
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:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	N

Draw Down & Recovery

Pump Test Detail ID:	934639544
Test Type:	Draw Down
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378546
Test Type:	Draw Down
Test Duration:	30
Test Level:	28
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099014
Test Type:	Draw Down
Test Duration:	15
Test Level:	25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934897019
Test Type:	Draw Down
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933468839
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	65
Water Found Depth UOM:	ft

Water Details

Water ID:	933468840
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	142
Water Found Depth UOM:	ft

63	***1 of 1***	***NW/241.9***	***111.9 / 0.00***	***lot 25 con 12 ON***	***WWIS***

Well ID:	1502961	***Data Entry Status:***	
Construction Date:		***Data Src:***	1

Primary Water Use:	Domestic	**Date Received:**	8/11/1952
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	4824
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	GOULBOURN TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	025
Well Depth:		**Concession:**	12
Overburden/Bedrock:		**Concession Name:**	CON
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:	10025004	**Elevation:**	113.94
DP2BR:	8	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427565.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014257
Cluster Kind:		**UTMRC:**	5
Date Completed:	02-JUL-52	**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:	930995674
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	8
Formation End Depth:	68
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995673
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502961
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573574
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042789
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042790
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 68
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991502961
Pump Set At:
Static Level: 9
Final Level After Pumping: 15
Recommended Pump Depth:
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1

Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933455780
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

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64 | **1 of 1** | **NNE/244.5** | **109.2 / -2.69** | **5883 Hazeldean Road, Ottawa ON K2S 1B9** | **INC**

Incident No:	401028
Incident ID:	2552684
Attribute Category:	FS-Incident
Status Code:	Causal Analysis Complete
Incident Location:	5883 Hazeldean Road, Ottawa - 1/2" 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:	Service / Riser Distribution Pipeline
Pipeline Involved:	
Pipe Material:	Plastic
Depth Ground Cover:	1 m
Regulator Location:	Outside
Regulator Type:	Service Regulator (up to 60 psi intake)
Operation Pressure:	65
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:

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65 | ***1 of 1*** | ***NNE/246.5*** | ***109.9 / -1.94*** | ***5883 Hazeldean Road, Ottawa ON*** | ***PINC***

Incident ID:	2646708	***Health Impact:***	No
Incident No:	490404	***Environment Impact:***	No
Type:	FS-Pipeline Incident	***Property Damage:***	No
Status Code:	Pipeline Damage Reason Est	***Service Interupt:***	No
Fuel Occurrence Tp:	Pipeline Strike	***Enforce Policy:***	Yes
Fuel Type:	Natural Gas	***Public Relation:***	No
Tank Status:	RC Established	***Pipeline System:***	
Task No:	3148569	***Depth:***	24
Spills Action Centre:		***Pipe Material:***	Plastic
Method Details:	E-mail	***PSIG:***	
Fuel Category:	Natural Gas	***Attribute Category:***	FS-Perform P-line Inc Invest
Date of Occurrence:	8/30/2010 0:00	***Regualtor Location:***	Outside
Occurrence Start Date:	2011/05/26		

Operation Type: Construction Site (pipeline strike)
Pipeline Type: Service / Riser Distribution Pipeline
Regulator Type: Service Regulator (up to 60 psi intake)
Summary: 5883 Hazeldean Road, Ottawa - 1/2" Pipeline Hit
Reported By: Armstrong, Alan - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes: Failing to hand dig

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66 | ***1 of 1*** | ***NNE/247.7*** | ***108.9 / -3.00*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1513392	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/13/1973
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2425
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	026
Well Depth:		***Concession:***	12
Overburden/Bedrock:		***Concession Name:***	CON
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:	10035378	**Elevation:**	110.5
DP2BR:	17	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427832.6
Code OB Desc:	Bedrock	**Org CS:**	
Open Hole:		**North83:**	5014296
Cluster Kind:		**UTMRC:**	4
Date Completed:	05-JUL-73	**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:	931023248
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	28
Other Materials:	SAND
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931023249
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	17
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513392
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10583948

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062653
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513392
Pump Set At:
Static Level: 8
Final Level After Pumping: 20
Recommended Pump Depth: 60
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934099223
Test Type: Draw Down
Test Duration: 15
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378618
Test Type: Draw Down
Test Duration: 30
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897084
Test Type: Draw Down
Test Duration: 60
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934639613
Test Type:	Draw Down
Test Duration:	45
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933468938
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

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67 | ***1 of 1*** | ***SW/248.7*** | ***112.9 / 1.00*** | ***22 Oyster Bay Court Ottawa ON K2S 1H3*** | ***HINC***

External File Num:	FS INC 0903-01348
Date of Occurrence:	3/12/2009
Fuel Occurrence Type:	CO Release
Fuel Type Involved:	Other Hydrocarbon Fuel
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Private Dwelling
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:No E
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Emergency Services (Fire, Police,etc)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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68 | ***1 of 1*** | ***E/249.9*** | ***109.9 / -2.00*** | ***PRIVATE RESIDENCE 20 SAVAGE ST., STITTSVILLE. FURNACE OIL TANK GOULBOURN TOWNSHIP ON*** | ***SPL***

Ref No:	118112	**Discharger Report:**	
Site No:		**Material Group:**	
Incident Dt:	9/4/1995	**Client Type:**	
Year:		**Sector Type:**	
Incident Cause:	OTHER CONTAINER LEAK	**Source Type:**	
Incident Event:		**Nearest Watercourse:**	
Contaminant Code:		**Site Name:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site County/District:**	
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Site Region:**	
Environment Impact:	CONFIRMED	**Site Municipality:**	20604
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	

Health/Env Conseq:		**Easting:**	
MOE Response:		**Site Geo Ref Accu:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Meth:**	
MOE Reported Dt:	9/5/1995	**Site Map Datum:**	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	PRIVATE RESIDENCE-300 L FURNACE OIL LEAK ONTO BA-SEMENT'S DIRT GROUND.		

Unplottable Summary

Total: 20 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	MR.E.COATES	HARTIN ST.	GOULBOURN ON	
CA	RELOCATABLE HOMES LTD.-PT.LOT 26/CONC.XI	SWEETNAM DR./IVA ST./SAVAGE DR	GOULBOURN TWP. ON	
CA	TAMARACK DEVELOPMENT CORPORATION PH. II	PINE NEEDLES CRT. AMBERWOOD VI	GOULBOURN TWP. ON	
CA	TAMARACK DEVELOPMENT CORP.	OLD ORCHARD CR. STORMW. MANGM.	GOULBOURN TWP. ON	
CA	1048219 ONTARIO INC.	PT.LOT 22/CON.11,HAZELDEAN RD.	GOULBOURN TWP. ON	
CA	PHIL SWEETNAM MOBILE HOME PARK	LOT 26/CONC. 12, SEPTIC TANKS	GOULBURN TWP. ON	
CA	511376 ONTARIO INC.	HAZELDEAN RD. S.W. RET. FAC.	GOULBOURN TWP. ON	
CA	ETINVEST HOLDINGS LTD.	HAZELDEAN RD.,PT.LOT 31/C-11	GOULBOURN TWP. ON	
EBR	Tartan Land Consultants Inc.	Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN	ON	
EBR	Mattamy Homes Limited	Maple Grove Road, Part of Lot 26, Concession 12 CITY OF OTTAWA GOULBOURN	ON	
EBR	Maple Grove Co-Tenancy Corp	Site is located between Maple Grove Road and Hazledean Road, Lots 26 and 27, Concession 12 Stitsville area of Ottawa GOULBOURN	ON	
EBR	Tartan Land Consultants Inc.	South side of Maple Grove Rd. and east of Johnwoods St., in Ottawa Lots 26 & 27, Concession 12, Geographic Township of Goulbourn CITY OF OTTAWA	ON	
GEN	NATIONAL CAPITAL COMMISSION	LOT 25,26,27	OTTAWA ON	K1P 1C7
LIMO		Lot 25 Concession 11 Ottawa	ON	
ORD	Relocatable Homes Limited	Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN	ON	
SPL	TOP OIL RESOURCES	TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET	OTTAWA-CARLETON R.M. ON	

SPL	PRIVATE RESIDENCE	LOT 21, CON. 12, HAZELDEAN ROAD IN STITTSVILLE. FURNACE OIL TANK	GOULBOURN TOWNSHIP ON
WWIS		lot 25	ON
WWIS		lot 25	ON
WWIS		con 11	ON

Unplottable Report

Site: ***MR.E.COATES***
HARTIN ST. GOULBOURN ON

Database: ***CA***

Certificate #: 3-0619-85-006
Application Year: 85
Issue Date: 6/21/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***RELOCATABLE HOMES LTD.-PT.LOT 26/CONC.XI***
SWEETNAM DR./IVA ST./SAVAGE DR GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 7-1342-91-
Application Year: 91
Issue Date: 10/29/1991
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***TAMARACK DEVELOPMENT CORPORATION PH. II***
PINE NEEDLES CRT. AMBERWOOD VI GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 7-1974-88-
Application Year: 88
Issue Date: 12/7/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***TAMARACK DEVELOPMENT CORP.***
OLD ORCHARD CR. STORMW. MANGM. GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 3-0731-89-
Application Year: 89

Issue Date: 6/29/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***1048219 ONTARIO INC.***
PT.LOT 22/CON.11,HAZELDEAN RD. GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 3-0908-94-
Application Year: 94
Issue Date: 8/16/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PHIL SWEETNAM MOBILE HOME PARK***
LOT 26/CONC. 12, SEPTIC TANKS GOULBURN TWP. ON

Database: ***CA***

Certificate #: 3-1529-94-
Application Year: 94
Issue Date: 12/23/1994
Approval Type: Municipal sewage
Status: Preliminary approval
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***511376 ONTARIO INC.***
HAZELDEAN RD. S.W. RET. FAC. GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 3-0858-93-
Application Year: 93
Issue Date: 9/15/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***ETINVEST HOLDINGS LTD.***
HAZELDEAN RD.,PT.LOT 31/C-11 GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 3-0349-96-
Application Year: 96
Issue Date: 6/11/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Tartan Land Consultants Inc.***
Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN ON

Database: ***EBR***

EBR Registry No.: 011-5086
Ministry Ref. No.: MNR INST 66/11
Notice Type: Instrument Decision
Company Name: Tartan Land Consultants Inc.
Proponent Name:
Proposal Address: 237 Somerset Street West, Ottawa Ontario, Canada K2S 0J3
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Location Other:
URL:
Proposal Date: December 21, 2011
Notice Pub Date: October 09, 2013
Year: 2011

Location:

Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN

Site: ***Mattamy Homes Limited***
Maple Grove Road, Part of Lot 26, Concession 12 CITY OF OTTAWA GOULBOURN ON

Database: ***EBR***

EBR Registry No.: 011-9579
Ministry Ref. No.: MNR INST 44/13
Notice Type: Instrument Decision
Company Name: Mattamy Homes Limited
Proponent Name:
Proposal Address: 50 Hines Road, Suite 100, Ottawa Ontario, Canada K2K 2M5
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Location Other:
URL:
Proposal Date: July 10, 2013
Notice Pub Date: February 04, 2016
Year: 2013

Location:

Maple Grove Road, Part of Lot 26, Concession 12 CITY OF OTTAWA GOULBOURN

Site: ***Maple Grove Co-Tenancy Corp***
Site is located between Maple Grove Road and Hazledean Road, Lots 26 and 27, Concession 12 Stitsville area of Ottawa GOULBOURN ON

Database: ***EBR***

EBR Registry No.: 013-1073
Ministry Ref. No.: MNRF INST 50/17
Notice Type: Instrument Decision
Company Name: Maple Grove Co-Tenancy Corp
Proponent Name:
Proposal Address: 237 Sumerset Street West, Ottawa Ontario, Canada K2P 0J3
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Location Other:
Proposal Date: July 31, 2017
Notice Pub Date: November 22, 2017
Year: 2017

URL:

Location:

Site is located between Maple Grove Road and Hazledean Road, Lots 26 and 27, Concession 12 Stitsville area of Ottawa GOULBOURN

Site: ***Tartan Land Consultants Inc.***
South side of Maple Grove Rd. and east of Johnwoods St., in Ottawa Lots 26 & 27, Concession 12, Geographic Township of Goulbourn CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No.:	012-3895	***Proposal Date:***	April 09, 2015
Ministry Ref. No.:	MNRF INST 29/15	***Notice Pub Date:***	June 24, 2015
Notice Type:	Instrument Decision	***Year:***	2015
Company Name:	Tartan Land Consultants Inc.		
Proponent Name:			
Proposal Address:	237 Somerset Street West, Ottawa Ontario, Canada K2S 0J3		
Instrument Type:	(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species		
Location Other:			
URL:			

Location:

South side of Maple Grove Rd. and east of Johnwoods St., in Ottawa Lots 26 & 27, Concession 12, Geographic Township of Goulbourn CITY OF OTTAWA

Site: ***NATIONAL CAPITAL COMMISSION***
LOT 25,26,27 OTTAWA ON K1P 1C7

Database: ***GEN***

Generator No.:	ON9920165	***PO Box No.:***	
Status:		***Country:***	
Approval Years:	2010	***Choice of Contact:***	
Contam. Facility:		***Co Admin:***	
MHSW Facility:		***Phone No. Admin:***	
SIC Code:	712190		
SIC Description:	Other Heritage Institutions		

--Details--

Waste Code:	221
Waste Description:	LIGHT FUELS

Site:
Lot 25 Concession 11 Ottawa ON

Database: ***LIMO***

ECA/Instrument No:	X9019	***Air Emis Monitor:***	
Site Name:		***Natural Attenuation:***	
Oper Status 2016:	Historic	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	
Landfill Gas Mntr:		***TWR Methodology:***	
Leachate Coll Sys:		***TWR Unit:***	
ERC Est Vol (m3):		***Tot Aprv Cap Unit:***	
ERC Volume Unit:		***Financial Assurance:***	
ERC Dt Last Det:		***Last Report Year:***	
Landfill Type:		***MOE Region:***	
Source File Type:	Historic and Closed Landfills	***MOE District:***	
Fill Rate:		***Site County:***	
Fill Rate Unit:		***Lot:***	
Tot Fill Area (ha):		***Concession:***	

Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Location Details:
Lot 25 Concession 11
Ottawa
Service Area:

Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: ***Relocatable Homes Limited***
Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN ON

Database: ***ORD***

EBR Registry No.: IA00E1222
Ministry Ref. No.: ER-5459
Notice Type: Instrument Decision
Company Name: Relocatable Homes Limited
Proponent Name:
Proposal Address: 8A Sweetname Drive, Stittsville Ontario, K2S 1G2
Instrument Type: (OWRA s. 53(3)) - Order for unapproved sewage works.
Location Other:
URL:

Proposal Date: July 26, 2000
Notice Date: October 27, 2000
Year: 2000

Location:

Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN

Site: ***TOP OIL RESOURCES***
TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET OTTAWA-CARLETON R.M. ON

Database: ***SPL***

Ref No: 25861
Site No:
Incident Dt: 9/25/1989
Year:
Incident Cause: UNDERGROUND TANK LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
Health/Env Conseq:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/28/1989
Dt Document Closed:
Agency Involved:
SAC Action Class:
Incident Reason: UNKNOWN
Incident Summary: TOP OIL RESOURCES- 7000 LTR DIESEL FUEL LEAK FROMUNDERGROUND TANK

Discharger Report:
Material Group:
Client Type:
Sector Type:
Source Type:
Nearest Watercourse:
Site Name:
Site Address:
Site District Office:
Site County/District:
Site Postal Code:
Site Region:
Site Municipality: 20000
Site Lot:
Site Conc:
Northing:
Easting: MCCR
Site Geo Ref Accu:
Site Geo Ref Meth:
Site Map Datum:

Site: ***PRIVATE RESIDENCE***
LOT 21, CON. 12, HAZELDEAN ROAD IN STITTSVILLE. FURNACE OIL TANK GOULBOURN TOWNSHIP ON

Database: ***SPL***

Ref No:	140830	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	//	***Client Type:***	
Year:		***Sector Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Source Type:***	
Incident Event:		***Nearest Watercourse:***	
Contaminant Code:		***Site Name:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site County/District:***	
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20604
Nature of Impact:	Multi Media Pollution	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
Health/Env Conseq:		***Easting:***	MOEE
MOE Response:		***Site Geo Ref Accu:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Meth:***	
MOE Reported Dt:	5/15/1997	***Site Map Datum:***	
Dt Document Closed:			
Agency Involved:			
SAC Action Class:			
Incident Reason:	UNKNOWN		
Incident Summary:	PRIVATE RESIDENCE-200 L FURNACE OIL TO GROUND.		

Site:
lot 25 ON

Database:
WWIS

Well ID:	1523747	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Industrial	***Date Received:***	8/4/1989
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3644
Casing Material:		***Form Version:***	1
Audit No:	49862	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	OTTAWA CITY
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	025
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:	10045521	***Elevation:***	
DP2BR:	32	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12-JUN-89	***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: 931055593
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 82
Other Materials: SHALY
Mat3:
Other Materials:
Formation Top Depth: 32
Formation End Depth: 250
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055592
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 32
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523747
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594091
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079667
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930079668

Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 250
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523747
Pump Set At:
Static Level: 19
Final Level After Pumping: 100
Recommended Pump Depth: 100
Pumping Rate: 14
Flowing Rate:
Recommended Pump Rate: 14
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: 934390332
Test Type:
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651310
Test Type:
Test Duration: 45
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106105
Test Type:
Test Duration: 15
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908516
Test Type:
Test Duration: 60
Test Level: 100
Test Level UOM: ft

Water Details

Water ID: 933482122
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

Water Details

Water ID: 933482123
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 225
Water Found Depth UOM: ft

Site:
lot 25 ON

Database:
WWIS

Well ID: 1525674
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92040
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: 10/21/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: GOULBOURN TOWNSHIP
Site Info:
Lot: 025
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047409
DP2BR: 0
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 29-JUL-91
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931061987
Layer: 1
Color: 2
General Color: GREY
Mat1: 17
Most Common Material: SHALE
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: 931061988
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 2
Formation End Depth: 223
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525674
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595979
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082985
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082986
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 223
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525674
Pump Set At:

Static Level: 45
Final Level After Pumping: 210
Recommended Pump Depth: 210
Pumping Rate: 5
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: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934105049
Test Type:
Test Duration: 15
Test Level: 210
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649246
Test Type:
Test Duration: 45
Test Level: 210
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906426
Test Type:
Test Duration: 60
Test Level: 210
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388708
Test Type:
Test Duration: 30
Test Level: 210
Test Level UOM: ft

Water Details

Water ID: 933484727
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 218
Water Found Depth UOM: ft

Water Details

Water ID: 933484726
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 120
Water Found Depth UOM: ft

Site:
con 11 ON

Database:
WWIS

Well ID:	1521315	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	5/20/1987
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	1
Audit No:	04582	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	GOULBOURN TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	11
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:	10043137	***Elevation:***	
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	h	***East83:***	
Code OB Desc:	Mixed in a Layer	***Org CS:***	
Open Hole:		***North83:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	16-APR-87	***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:	931047548
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Other Materials:	MEDIUM-GRAINED
Mat3:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	174
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931047547
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	01

Most Common Material: FILL
Mat2: 26
Other Materials: ROCK
Mat3: 77
Other Materials: LOOSE
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521315
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591707
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075317
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 174
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075316
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521315
Pump Set At:
Static Level: 29
Final Level After Pumping: 100
Recommended Pump Depth: 150
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: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934105994
Test Type: Draw Down
Test Duration: 15
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651240
Test Type: Draw Down
Test Duration: 45
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909448
Test Type: Draw Down
Test Duration: 60
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390093
Test Type: Draw Down
Test Duration: 30
Test Level: 100
Test Level UOM: ft

Water Details

Water ID: 933478822
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 169
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 2018

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-Nov 2016

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

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-Jul 31, 2018

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 2014

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*

Commercial Fuel Oil Tanks: Provincial CFOT

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; 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: 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-Jul 31, 2018

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 - Jul 2018

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-Sep 2018

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-Oct 31, 2018

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-Nov 30, 2017

Dry Cleaning Facilities: Federal DRYCLEANERS

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 2016

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-Oct 31, 2018

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-Oct 31, 2018

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-Oct 31, 2018

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-Oct 31, 2018

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

List of TSSA Expired Facilities: Provincial EXP

List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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.

Government Publication Date: Jun 2000-Oct 2018

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 2017

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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-June 30, 2018

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 2016

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*

TSSA Incidents: Provincial INC

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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: Sep 30, 2017

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*

Environmental Penalty Annual Report: Provincial MISA PENALTY

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, 2017

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 2018

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, 2016

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 National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2018

National Energy Board Wells: Federal NEBW

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 OGW

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-August 31, 2018

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-May 2018

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-Oct 31, 2018

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-Mar 2018

TSSA Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), 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 pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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-Oct 31, 2018

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-Sep 2018

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-Jul 31, 2018

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-Jul 2018

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, 2016

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 2017

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all 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. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

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-Oct 31, 2018

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31, 2017

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 E:
Aerial Photographs

0 50m 100m 200m

HORIZONTAL 1:5000

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Ottawa, ON K2B 8H6, Canada

DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no.: OTT-00250806-A0
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DRAWN BY: M.N.		AER-1

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DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no. OTT-00250806-A0
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DRAWN BY: M.N.	TITLE: 1965 AERIAL PHOTOGRAPH 5924 HAZELDEAN ROAD, OTTAWA, ON	AER-3

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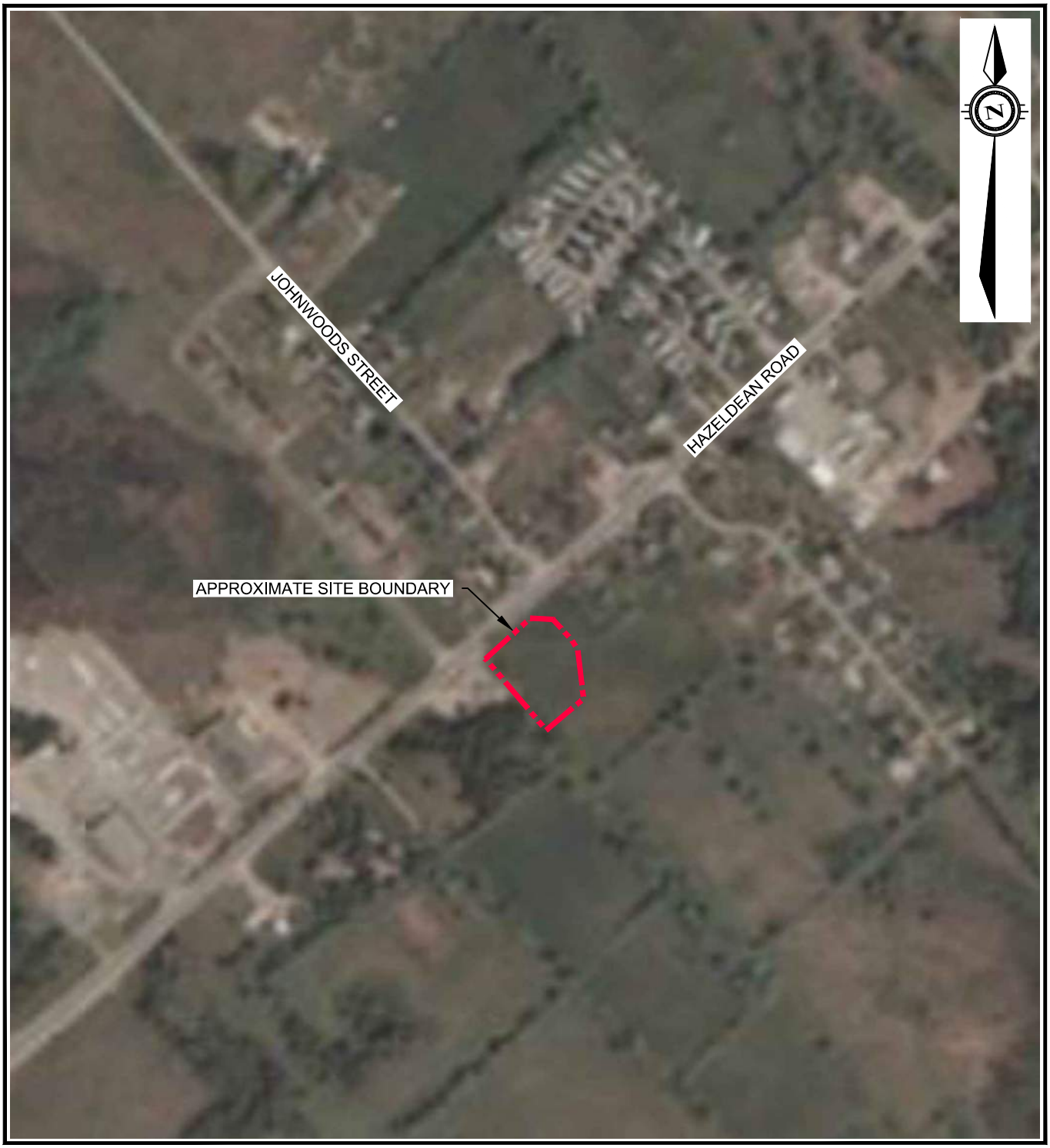

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0 50m 100m 200m

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DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no.: OTT-00250806-A0
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DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no.: OTT-00250806-A0
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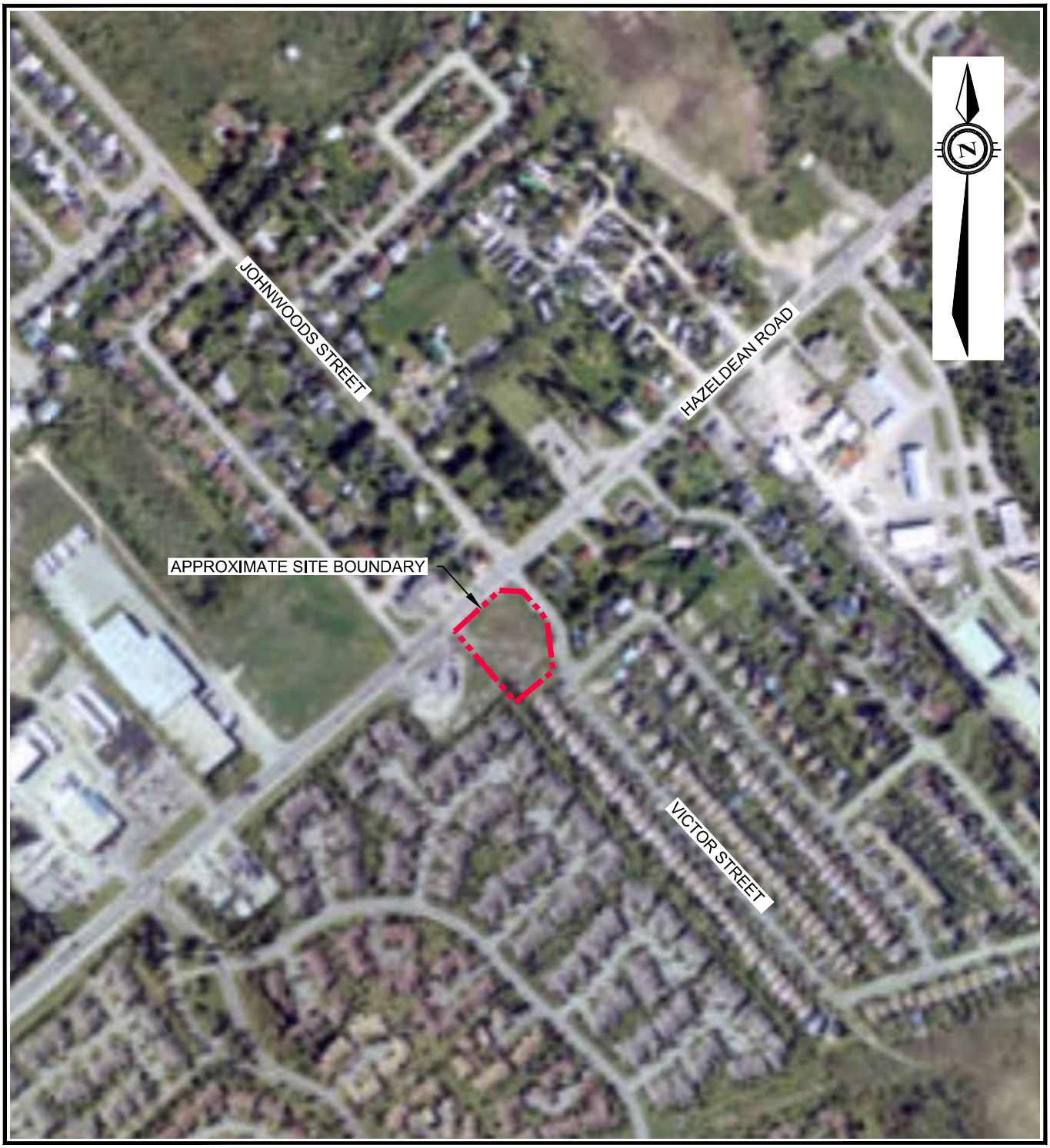

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DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no. OTT-00250806-A0
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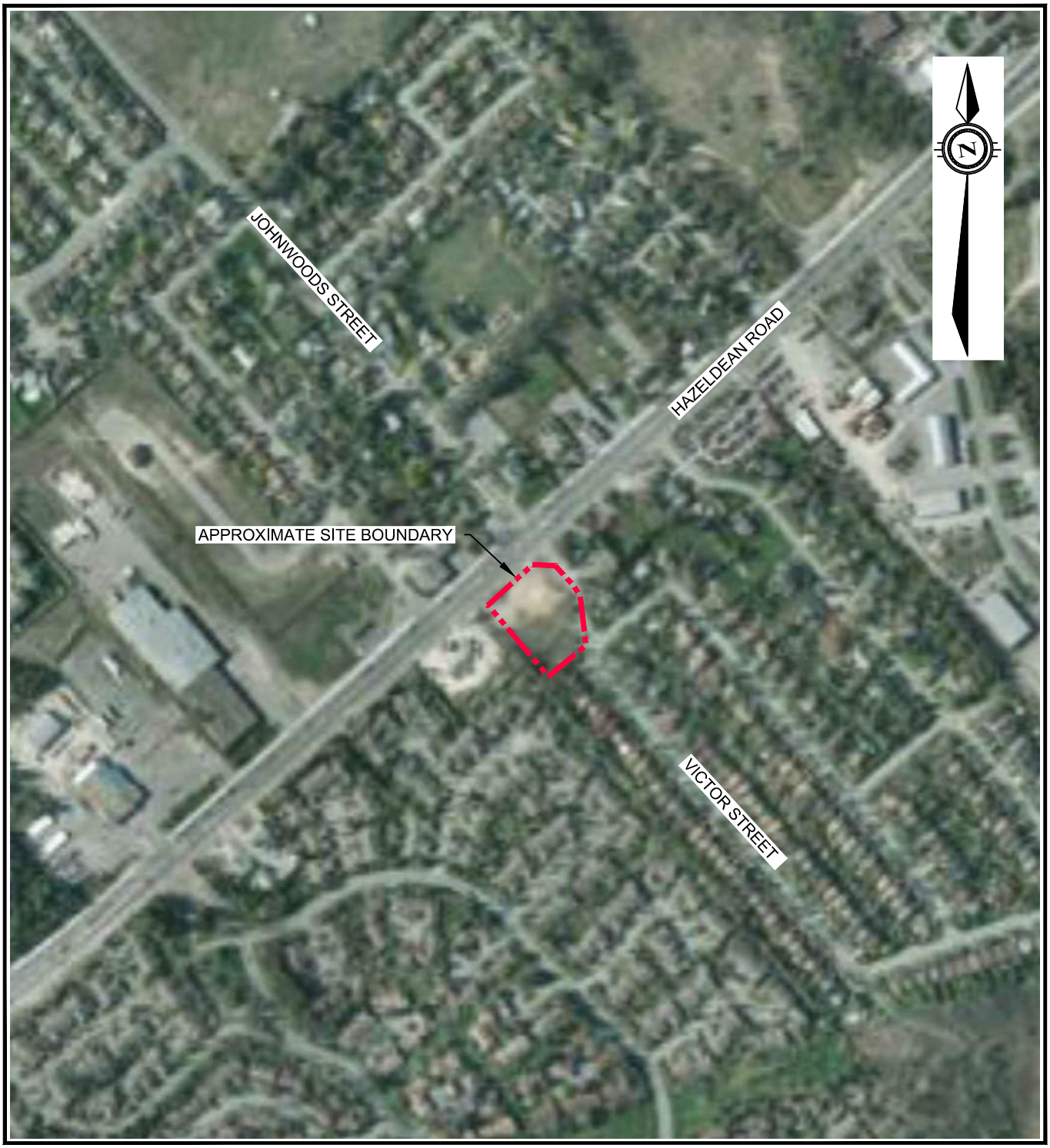

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DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no. OTT-00250806-A0
DESIGN: C.H. / CHECKED: M.G.M.		scale 1:5,000
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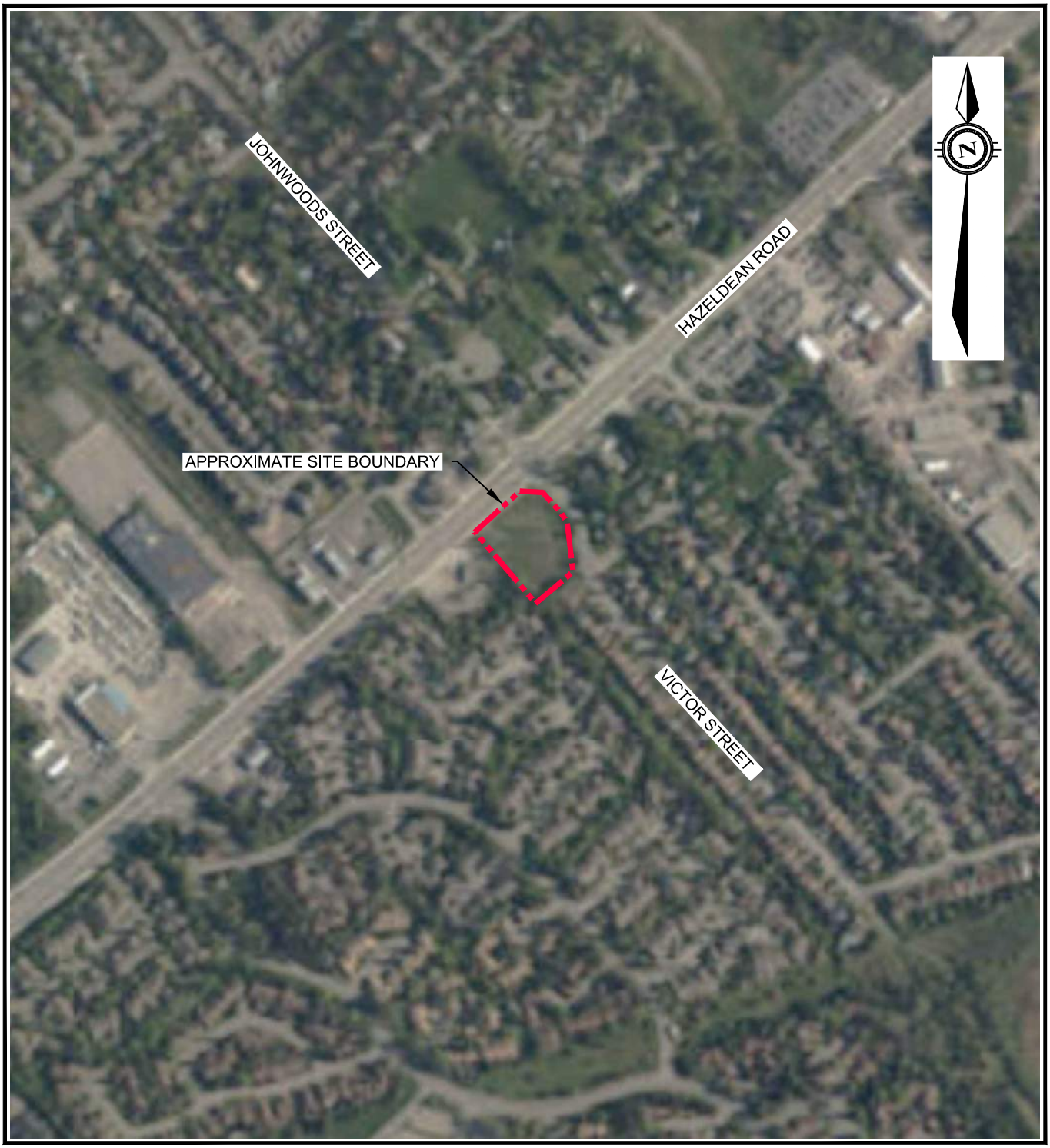

THE BACKGROUND IMAGE CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENSE - CITY OF OTTAWA.

0 50m 100m 200m

HORIZONTAL 1:5000

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DATE: JAN. 2019	CLIENT: GNCR DEVELOPMENTS	project no. OTT-00250806-A0
DESIGN: C.H. / CHECKED: M.G.M.		scale 1:5,000
DRAWN BY: M.N.	TITLE: 2017 AERIAL PHOTOGRAPH 5924 HAZELDEAN ROAD, OTTAWA, ON	AER-8

Filename: p:\projects\environmental\250000s\250806 - phase one esa 5924 hazeldean roadworking drawings\250806-a0 aer 1 to aer6 aerial photo.dwg
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Appendix F:
Site Photographs

Photograph No. 1

View of Phase One property looking northwest (Ultramar identified)

Photograph No. 2

View from edge of Phase One property looking southeast

Photograph No. 3

APEC 1 - Adjacent former retail gasoline sales outlet adjacent to the west (5938 Hazeldean Road).

Photograph No. 4

View of Hazeldean Road facing northeast. (Mr. Gas identified)

Photograph No. 5

View of Hazeldean Road facing southwest.

Photograph No. 6

View of Victor Street facing south