Phase I
Environmental Site Assessment

280 Eric Czapnik Way
Ottawa, Ontario

Prepared for:

Landric Homes Inc.
1173 Cyrville Road, Suite 202
Ottawa, Ontario
K1J 7S6

Attention: Eric Danis, Development Director

LRL File No.: 200041

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EXECUTIVE SUMMARY

Landric Homes has retained LRL Associates Ltd. (LRL) to complete a Phase I Environmental Site Assessment (ESA) on the property located at 280 Eric Czapnik Way in Ottawa (Orleans), Ontario (herein referred to as the "Site"). This assessment was conducted to identify potential environmental concerns or liabilities related to the past and present operations conducted on the property and the adjacent lands. The assessment included a review of the history of the Site, contact with relevant regulatory agencies, a limited walk-through Site inspection of the property and interviews with those knowledgeable of the Site. This assessment was conducted in the context of a proposed development application.

The Site is situated at the eastern extents of the City of Ottawa limits, within the Orleans ward of the City, within a high-density residential setting. Commercial developments (retail/office space) is present at the southwestern extents of the 250 m search radius. The Site is currently undeveloped and has been since at least 1946. According to available aerial photographs reviewed as part of this assessment, the Site and surrounding properties have been generally undeveloped, or agricultural fields, treed and low density residential as of at least 1946 through 1960. Further residential development to the neighbouring lands has been prominent since 1970's. It is understood that a multi-unit residential development is proposed to be constructed on the Site.

The Site is irregular shaped with an area of approximately 5,200 m² (0.52 hectare). The majority of the Site is covered by overgrown grasses and shrubs, excluding the eastern extent where granular crushed stone is present across the surface utilized as a staging/storage area for a neighbouring construction project. A large mound of fill, approximately 860 m², is present across the majority of the property extending between approximately 10 to 15 m above grade. Furthermore, smaller piles of granular crushed stone fill, being approximately 235 m² is present at the eastern extent of the Site. These granular crushed stone pile also include concrete and traces of asphalt debris. The topography of the Site is sloping north with elevations ranging between 60 and 70 m amsl. The mound of fill across the majority of the property accounts for an additional large incline the property. The Ottawa River is located approximately 1.1 km north of the Site, however, the Petrie Island Wetland is located approximately 800 m to the north of the Site.

Records of six (6) potable supply wells were retrieved within 250 m of the Site. Each of which are drilled into the underlying bedrock formation. However, presently the neighbouring properties are service by municipal water, sanitary and storm sewer services. The Site is not serviced nor is there any indication of private services present.

Fourteen records of Certificates of Approvals were retrieved although the exact location of each cannot be confirmed due to limited information available in the record (i.e. address). These records were identified as being "unplottable". The records present low risks for environmental concerns as a result of the type of approval and processes.

Records were retrieved for a total of ten (10) environmental compliance approvals, five (5) spills of which two (2) are listed as occurring along the Highway 17/174 located north of the Site, one (1) waste generator, and two (2) fuel oil spills and leaks incidents. Each of which present low risk for environmental concerns as a result of either the type of process issued, the distance from the site, the product released, or the inferred hydrogeological and topographic features of the area.
One (1) record was retrieved of an abandoned mine within 250 m of the Site. The Queenswood Village Quarry is listed as an abandoned mine as of 2003 that operated since at least 1989 as a limestone industry. Although the location of the quarry matches that of the Site (Lot 36,

Concession 1, South of Ottawa River), based on a review of available aerial photographs dating back to the mid-1940's, no visible evidence of a quarry was identified. Furthermore, the general area of the Site was developed significantly in the 1970's, when, according to the AMIS, the quarry was in operation. The risk associated with the former quarry operations is considered low.

No records of a coal tar industrial site, pollutant release, environmental registry, or manufacturing facilities under the Scott's Manufacturing Directory within a 250 m radius of the Site. No records of active or closed waste disposal sites were retrieved within 1 km of the Site.

Based on the results of the Phase I Environmental Site Assessment the following areas of potential environmental concern were identified:

PEC	Location	Comments	Contaminants of Potential Concern	Media Potentially Impacted	Level of Risk
Fill of unknown quality	Across the majority of the Site.	Approximate area of 860 m². The quality of the fill material should be confirmed to permit for informative decisions on the appropriate handling and potential adverse effects to the site conditions as a result.	VOC, PHC, Metals	Soil	Moderate to High
Asphalt debris	Eastern portion of the Site.	Small quantities observed at the time of the Site visit within the granular crushed stone piles	PHC, VOC	Soil	Low
Spills	Highway 17 construction site in Cumberland Township.	145 L spill of hydraulic oil in September 1993 to the ground from paver equipment.	VOC, PHC	Soil and Groundwater	Low
	Highway 174 Westbound.	An unspecified amount of coolant was spilt to the Highway 174 westbound from as a result of malfunction with a City of Ottawa public transit vehicle.	Glycol	Soil and Groundwater	Low

Notes: PEC – Potential Environmental Concern
VOC – Volatile Organic Compounds
PHC – Petroleum Hydrocarbon Compounds

Risk levels: Low – Unlikely potential for environmental impacts
Moderate – Some potential for environmental impacts
High – Definite potential for environmental impacts

The potential environmental risks to the Site associated with properties within 250 m are considered low to moderate. The records of the spills along the Highway 17/174 present low risk for environmental concern due to the distance from the Site and hydrogeological and geological features of the general area. The existing pile of fill across the Site presents a moderate to high risk for potential environmental concern. Although the material appeared to consist primarily of sand and till, with granular crushed stone and traces of concrete, the material has not been confirmed suitable for use on the Site or has the safe handling procedures for off-Site disposal been established. The small quantities of asphalt debris were encountered in granular crushed stone fill piles along the eastern foot of the fill mound. The risk associated with the asphalt debris is low, however asphalt is not considered suitable for use as fill and should be disposed of off-site at a licensed facility.

Based on the findings of the Phase I ESA, a Phase II ESA is not recommended. However, the following additional environmental work is recommended:

- The asphalt debris encountered in the granular crushed stone fill piles along the eastern foot of the fill mound should be removed from the Site and disposed of accordingly at a licenced facility. Although granular crushed stone is considered acceptable for use as fill material, asphalt is not permitted to be buried as fill material according to provincial regulations; and
- Representative confirmatory samples of the large fill mound across the majority of the Site should be collected and analysed in accordance with the applicable provincial regulations, Ontario Regulation 406/19: On-Site and Excess Soil Management, 2019 to confirm if the material is acceptable to be used on Site for fill, or how to handle and disposed of the material at an off-Site location accordingly, and safely.
    - The fill mound is approximately 860 m² in area and extends between approximately 10 and 15 m in height for an approximate volume of 12,450 m³. According to O. Reg. 406/19, a minimum of 56 soil samples are to be collected from the fill mound at various locations, including various intervals into the mound, for the analysis of the parameters of the concern.
    - Analytical results of the fill material will be compared to the O. Reg. 153/04:
        - Table 7: Generic Site Condition Standards (SCS) for Shallow Soils in a Non-Potable Ground Water Condition, residential land use and coarse-textured soils if the material is to be left on Site for future use as fill material;
        - Table 1: Full Depth Background SCS residential land use and coarse-textured soils if the material is to be disposed of off-Site at a property other than a waste disposal site or soil recycling facility; and
        - TCLP Schedule 4, O. Reg. 558, for off-Site disposal acceptance at a licenced waste disposal facility.
    - Soils which do not comply with the representative SCS be disposed of accordingly.
        - No soils in excess of the Table 7 SCS will be permitted for use on Site; and
        - Once soils are removed from the Site which are in excess of Table 7, the conditions of the ground surface underlying the fill mound will be verified through additional verification sampling.

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1 INTRODUCTION

Landric Homes has retained LRL Associates Ltd. (LRL) to complete a Phase I Environmental Site Assessment (ESA) on the property located at 280 Eric Czapnik Way in Ottawa (Orleans), Ontario (herein referred to as the "Site"). The Site is situated within a residential area at the eastern extents of the City of Ottawa limits, within the Orleans ward of the City. The Site is currently undeveloped and has been since at least the mid-1940's (circa 1946). It is understood that a multi-unit residential development is proposed to be constructed on the Site. This assessment was conducted to identify potential environmental concerns or liabilities related to the past and present operations conducted on the property and the adjacent lands. The assessment included a review of the history of the Site, contact with relevant regulatory agencies, a limited walk-through Site inspection of the property and interviews with those knowledgeable of the Site. This assessment was conducted in the context of a proposed development application.

The Phase I ESA identifies the existing environmental conditions and potential environmental liabilities associated with the subject property, focusing on the possible presence of contamination on the property. It includes a review of available information (historical data and aerial photographs) and a visual Site inspection to assess potential contamination of past or present activities conducted on the property itself and on adjacent properties.

Potential contamination represents the uncontrolled release of foreign substances within the natural environment. Such an event can result in air, soil and groundwater contamination that may represent environmental liabilities towards the Site and perhaps towards adjacent properties. The ESA evaluates in a consistent manner, within the time constraints imposed for this report, whether such events have occurred at this Site. This level of work is a method of risk reduction and does not eliminate risk for the client.

1.1 Property Information

Address:	280 Eric Czapnik Way, Ottawa, Ontario
Frontage:	Eric Czapnik Way
Zoning:	Residential Fifth Density (R5) – Mid-high rise apartments
Legal description:	Block 9, Plan 4M1542; subject to an easement as in OC591803; subject to an easement in gross over Part 2 Plan 4R-28903 as in OC1722931; subject to an easement as in OC1723610; Subject to an easement as in OC1828333; City of Ottawa.
Property Identification Number:	14508-0355 (LT)
UTM Coordinates:	18T 0460472 E 5036801 N
Dimensions:	Irregular: Being between approximately 106 and 120 m wide (east-west) by between approximately 28 and 64 m deep.
Area:	Approximately 5,200 m^2 (0.52 hectare)

The Site's location is shown in **Figure 1** and the general Site configuration is shown on the Site Plan in **Figure 2**. For the purposes of this report Highway 174, will be inferred as running in an east-west direction.

1.2 Site Occupancy

Current owner:	Landric Homes Inc.
Site Contact:	Name: Eric Danis
	Address : 63 Chemin de Montréal Est, Gatineau, QC J8M 1K3
	Phone : (819) 663-0003
	Email : ericdanis@constructionlaverendrye.com
Owner since:	February 2020
Current use:	Vacant
Current use since:	At least 1976

2 SCOPE OF INVESTIGATION

LRL conducted this work in accordance to standard Phase I ESA procedures, which generally reflect the requirements of the Canadian Standards Association (CSA) document entitled Phase I Environmental Site Assessment, Z768-01 (R2016). The scope of work for the Phase I ESA consisted of the following:

- Reviewing reasonably ascertainable records regarding the occupancy of the Site and surrounding properties (i.e. business directories, fire insurance plans and aerial photographs);
- Interviewing current and previous owners and/or tenants and local and provincial authorities;
- Conducting a Site visit that consists of a “walk-through” visual assessment of the Site and adjacent properties (from publicly accessible areas); and
- Evaluation of the information collected.

This report will present the results of the ESA carried out between April 8th, 2020 and May 13th, 2020.

3 RECORDS REVIEW

3.1 General

3.1.1 Phase I Study Area Determination

Study area:	250 m
Rational for extending study area beyond the minimum 250 m	
Not applicable.	

3.1.2 First Developed Use Determination

First developed use is defined by O. Reg. 153/04 Section 22(1) as the first property use after 1875 that resulted in a building or structure or the first potentially contaminating activity, whichever is earlier.

First developed use:	Stockpiling of Fill Material
Year	Mid-1970's. Based on available aerial photographs reviewed as part of this assessment, the Site was developed with agricultural fields from between 1946 through at least 1960. From the mid-1970's (circa 1976) through 2011, the Site is vacant with earth moving activities, confirmed to include the addition of fill material, as viewed during the Site visit (Section 5.1).
Basis for determination of first developed use	
Aerial Photographs and Site Visit	

3.1.3 Fire Insurance Plans

Fire Insurance Plans (FIP) mapped streets and buildings of urban Canada in detail and illustrate building construction, occupancy and potential fire hazards. They also provide detailed information regarding storage tanks, transformers, boilers and electrical rooms. The original plans were produced between 1875 and 1923 and continued to be produced and updated until production ceased in 1974. No Fire Insurance Plans were found for the Site.

3.1.4 Property Underwriters' Report

Property Underwriters Site Plans and Reports provide detailed information on a site-specific basis and include descriptions of building construction, heating sources, production processes, and the presence of chemicals or materials which may be stored on Site. They also indicate the presence of environmental hazards such as electrical rooms, transformers, boilers, and storage tanks. No Property Underwriters' Reports were available for the Site.

3.2 City Directories

City directories have been produced for most urban and some rural areas since the late 1800s. These directories are often archived in research and municipal libraries. The directories are generally not comprehensive and may contain gaps in time periods. Where available, city directories were reviewed in a minimum five-year increment to determine historical property use of the subject and adjoining properties.

As a result of the current viral pandemic situation, access to the available city directories was not permitted by the retained search provider. No records are available at this time.

3.3 Chain of Title

Land Titles contain legal title information concerning property ownership, transfer details, and any encumbrances such as mortgages or easements. Each time a new transaction occurs, property records are updated as soon as the instrument is registered. A copy of the Chain of Title is included in **Appendix A**.

Records search provider:	Service Ontario Land Registry Office
Date of search:	April 3, 2020
Pertinent Information:	The search covered the period from October 1846 to February 2020. In October 1846, the Site was transferred from Crown to Canada Company. Thereafter, until 1991, the Site was transferred amongst various individuals. The land transactions succeeding 1991 included various corporations and commercial listings as follows: • In August 1991, the Site was transferred from Richmond Glen Estates Ltd. to the Regional Municipality of Ottawa-Carleton, becoming City of Ottawa in 2005; • Easements to various utility companies and corporations, included Hydro One Networks Inc., Bell Canada, Enbridge Gas Distribution Inc., and Rogers Communications Inc., were issued between 2006 and 2016; • The property changed ownership in 2007 from the City of Ottawa to OTCP Residential Lands G.P. Inc., which changed their name to Forum Investment and Development Corporation in 2011; and • The Site was transferred to Hillside Vista Inc. in November 2011 before the final transaction to the current property owner, Landric Homes Inc., in February 2020.

3.4 Environmental Reports

No previous environmental reports were provided to LRL to review as part of this investigation.

3.5 Environmental Source Information

3.5.1 The City of Freedom of Information Request

The City of Ottawa was contacted to obtain available information for the Site through a Freedom of Information request.

Interview subject:	The City of Ottawa
Date:	May 13th, 2020
Pertinent information:	
Under the Freedom of Information Act, a Freedom of Information request was made to the City of Ottawa. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.	

3.5.2 City of Ottawa Historical Land Use Inventory (HLUI)

The City of Ottawa has compiled a Historical Land Use Inventory (HLUI) which is intended to be used to gather information on the type and location of all land uses within the City of Ottawa limits (rural and urban) that had or have the potential to have an adverse environmental impact by way of contamination to soil, groundwater or surface water spanning the period of between 1990 and 1998, with additional entries in 1999. The HLUI is to be used as a screening tool to aid in the review of development applications by the City of Ottawa, as well as to support in environmental site assessments and other related property investigations.

The activities defined in the HLUI are based on the 1980 Canadian Standard Industrial Classification (SIC) codes. The HLUI is not an inventory of brownfields in Ottawa and is developed based on historical land use activities which does not contain any information on actual property conditions. Therefore, a property listed in the HLUI does not necessarily mean that property is contaminated at this time as subsequent or more recent remedial or environmental activities may have been carried out to alter the condition of the property.

Interview subject:	The City of Ottawa
Date:	May 13th, 2020
Pertinent information:	
A Historical Land Use Inventory search request was made to the City of Ottawa. A formal response is expected and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the Site, a copy will be forwarded to the client so that it can be appended to this report.	

3.5.3 Ontario Ministry of Environment, Conservation and Parks Freedom of Information Request

The Ontario Ministry of Environment, Conservation and Parks (MECP) was contacted under the FOI Act to obtain available information for the Site regarding:

- Certificates of Approvals or any permits relating to air emissions (including noise), water taking and discharging, waste disposal sites, septic systems, pesticides storage or other similar instruments;
- Incidents, orders, offences, spills, discharges of contaminants or inspections;
- Waste management records, including current and historical waste storage locations and waste generator and waste receiver information; and
- Reports submitted to the MECP related to the environmental conditions of the property.

Attempts were made to submit the MECP FOI request via fax, however, LRL was unable to successfully submit the request due to an apparent high volume of inquiries at this time. An additional attempt to reach the MECP by email for aid on this matter was made, however unfortunately the response did not provide LRL with additional resources to facilitate the submission. Once the FOI is submitted, a formal response will be expected, and will be reviewed by LRL. If the response details any issues of potential environmental concern with respect to the site, a copy will be forwarded to the client so that it can be appended to this report.

3.5.4 Inventory of Coal Tar Industrial Sites in Ontario

The MECP has created an inventory of all known and historical coal gasification plants. It identifies industrial sites that produced and continue to produce or use coal tar or other related tars. The program was discontinued in 1988.

Database:	Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario
Years covered:	Up to 1988
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.5.5 Technical Standards and Safety Authority

Fuel storage at commercial and industrial facilities is regulated by the Technical Standards and Safety Authority (TSSA). Records of aboveground storage tanks are maintained for bulk storage facilities only. Underground storage tanks are required to be registered with the TSSA. There are no requirements to register private underground and aboveground fuel oil storage tanks for heating or waste oil. Records of registered and licensed tanks have been maintained since 1990.

Interview subject:	Connie Hill, Public Information Agent
Date:	April 20, 2020
Pertinent information:	
TSSA was contacted regarding available information concerning the presence of petroleum storage tanks, fuel spill records, accidents or fuel-related incidents which may be registered on the Site or surrounding properties. The TSSA has indicated that there are no records of fuel storage tanks on the Site or the adjacent properties (558 and 556 Recolte Private, 273 and 275 Eric Czapnik Way, 325 and 345 Centrum Boulevard, 3217, 3245 and 3251 St-Joseph Boulevard.)	

3.5.6 Ministry of Environment, Conservation and Parks Well Records

The Ministry of Environment, Conservation and Parks' well records database provides information of locations and characteristics of water wells throughout Canada in accordance with Ontario Regulation 903. Information of the stratigraphy, depth of bedrock and approximate depth of water table is also provided. Copies of the Well Records retrieved are included in **Appendix B**.

Database:	MECP Well Records
Search radius:	250 m
Date accessed:	April 20, 2020

Description of data, analysis and findings relevant to the Phase I ESA:

Six (6) well records are located within a 250 m radius of the Site, all of which are for domestic purposes. Each of the well records are included in **Appendix B** and are summarized below:

- Well No. 1513193, located approximately 130 m east of the Site, is a drilled well installed in 1963 for domestic purposes. The subsurface stratigraphy was described as boulders and broken rock from ground surface to 4.3 m below ground surface (bgs), underlain by grey limestone to 18.9 m, where the well was terminated. The static water level was measured to be 3.0 m bgs;
- Well No. 1513198, located approximately 135 m southeast of the Site, is a drilled well installed in 1969 for domestic purposes. The subsurface stratigraphy was described as clay to 39.5 m bgs, underlain by coarse gravel and boulders (inferred to be mixed with clay) to 45.1 m bgs, followed by limestone to a depth of 48.2 m bgs, where the well was terminated. The static water level was measured to be 7.6 m bgs;
- Well No. 1516402, located approximately 136 m southeast of the Site, is a drilled well installed in 1977 for domestic purposes. The subsurface stratigraphy was described as clay to 5.2 m bgs, underlain by grey slate to approximately 13.7 m bgs, followed by limestone bedrock to 38.1 m bgs, where the well was terminated. The static water level was measured to be 10.4 m bgs;
- Well No. 1513197, located approximately 154 m southeast of the Site, is a drilled well installed in 1967 for domestic purposes. The subsurface stratigraphy was described as loose stone and clay to 1.2 m bgs, underlain by grey limestone to 55.2 m bgs, where the well was terminated. The static water level was measured to be 12.2 m bgs;
- Well No. 1513195, located approximately 158 m southeast of the Site, is a drilled well installed in 1965 for domestic purposes. The subsurface stratigraphy was described as broken stone and clay to 1.2 m bgs, underlain by grey limestone to 54.9 m bgs, where the well was terminated. The static water level was measured to be 9.1 m bgs; and
- Well No. 1513194, located approximately 195 m southeast of the Site, is a drilled well installed in 1964 for domestic purposes. The subsurface stratigraphy was described as grey limestone to 53.6 m bgs, where the well was terminated. The static water level was measured to be 9.1 m bgs.

3.5.7 National Pollutant Release Inventory

The National Pollutant Release Inventory is maintained by Environment Canada. It is designed to collect comprehensive data regarding releases to air, water or land, and water transfers for recycling. The database was accessed through a database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	National Pollutant Release Inventory
Years covered:	1993 to May 2017
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.5.8 Certificates of Approvals

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 (CofA) before it can operate lawfully. The database was accessed through a database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	Certificates of Approval
Years covered:	1985 to October 2011
Search radius:	250 m

Description of data, analysis and findings relevant to the Phase I ESA:

No records were found within a 250 m radius of the Site. However, the database service provider has included additional records which cannot be confirmed as being within the 250 m search radius of the Site. Fourteen records were retrieved. These records are identified as "Unplottable" due to limited information available in the records, namely addresses. The unplottable records of spills which cannot be confirmed as beyond a 250 m radius of the Site are summarized as follows:

- A Certified of Approval for municipal sewage was issued to the Cumberland Township – Highway 17, Trans Canada Highway 17 in July 1990;
- A Certificate of Approval for municipal sewage was issued to the Conseil Scolaire de Langue Francaise, St. Joseph Boulevard Cumberland Township in May 1991;
- A Certificate of Approval for municipal sewage was cancelled in February 192 for J. Joannisse, listed at Lot 30 Concession 1, Cumberland Township;
- A Certificate of Approval for municipal sewage was cancelled in May 1993 at 10th Line Road, in the Township of Cumberland;
- A Certificate of Approval for municipal sewage was approved in September 1993 and a second one in October 1993 at Rural Route #34, Cumberland Township;
- A Certificate of Approval for municipal sewage was approved to Builder Development Corp., in February 1994 for St. Joseph Boulevard Apartment, located in the Cumberland Township;
- A revised amendment Certificate of Approval application for municipal water was approved in March 1985 for Centrum Boulevard in Cumberland;
- A Certificate of Approval for municipal and private sewage works was approved for DCR Phoenix Development Corporation Limited, in February 2008;

- A Certificate of Approval for municipal and private sewage works was approved to 1534436 Ontario Limited March 2004;
- Twelve records of Certificate of Approvals for Municipal and Private Sewage Works, issued to DCR/Phoenix Development Corporation Limited, were retrieved. The approval dates ranged between Municipal and Private Sewage Works, approved in March 2004 and January 2011;
- A Certificate of Approval for municipal and private sewage works was issued to 1534436 Ontario Limited in March 2004;
- Two (2) listings of municipal water Certified of Approvals for Perez Corporation, located at Centrum Boulevard Cumberland, were approved in December 1987; and

The records retrieved for CofA approvals identified in the "Unplottable" records present low risk for environmental concerns as a result of the type of approval and processes issued (i.e. air emissions, municipal and private sanitary and water services).

3.5.9 Environmental Compliance Approval

In October 2011, the previously used Certificate of Approval process was replaced by the more efficient Environmental Compliance Approval (ECA) system. There are variations in the methodology for the application process, as well as the improved ECA application process and how the application can be applied with comparison to the previous CofA process. The database was accessed through a database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C.**

Database:	Environmental Compliance Approval
Years covered:	October 2011 – March 31, 2020
Search radius:	250 m

Description of data, analysis and findings relevant to the Phase I ESA:

Nine (9) records were retrieve for Environmental Compliance Approval's within 250 m of the Site. No records were retrieved for the Site. The records found are summarized as follows:

- Two (2) records were retrieved for Hillside Vista Inc., c/o DCR Phoenix Development Corp Ltd., located at 241 Centrum Boulevard, for the approval of municipal and private sewage works ECA in October 2015;
- Two (2) records were retrieved for DCR/Phoenix Development Corp Ltd., located at 241 Centrum Boulevard, for the approval of the municipal and private sewage works in February 2016 and November 2018;
- Two (2) records were retrieved for 1534436 Ontario Limited, for a municipal and private sewage works ECA in March 2004. The specific address was not provided, however based on the coordinates provided (Longitude: -75.5032/ Latitude: 45.4843), it is located approximate 90 m northeast of the Site; and
- Three (3) records for OTCP Arts Centre G.P. Inc. located at Commercial Drive, Reference Plan 4R-21938 for an ECA for municipal and private sewage works, in February and June 2008.

The database service provider has included additional records which cannot be confirmed as being within the 250 m search radius of the Site. These records are identified as "unplottable" due to limited information available in the records, namely addresses. The "unplottable"

records of spills which cannot be confirmed as beyond a 250 m radius of the Site are summarized as follows:

- DCR/Phoenix Development Corporation Limited, approved an ECA for municipal and Private Sewage Works in December 2010.

The records retrieved for ECA approvals within 250 m of the Site, as well as the "Unplottable" records present low risk for environmental concerns as a result of the type of ECA and processes issued (i.e. municipal sanitary and water services).

3.5.10 Environmental Site Registry

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments or regulations that could significantly affect the environment. Applications for permits, licences or certificates of approval to release substances into the air or water are posted on the registry. The database was accessed through database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix C**.

Database:	Environmental Registry
Years covered:	1994 to February 29, 2020
Search radius:	250 m
Date accessed:	April 13, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.5.11 Waste Disposal Site Inventory

The MECP's Waste Management branch maintains an inventory of known open (active or inactive) and closed disposal site in Ontario.

Database:	Waste Disposal Site Inventory
Years covered:	1970 to 1990
Search radius:	1000 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were retrieved within 1000 m (1 km) of the Site.	

3.5.12 Other Databases

Other Databases are covered by the Ecolog Eris Report included in **Appendix C**. They are outlined below.

3.5.12.1 Ontario Spills

Database:	Ontario Spills
Years covered:	1988 to August 2019
Search radius:	250 m
Date accessed:	January 29, 2020

Description of data, analysis and findings relevant to the Phase I ESA:

The search of the Ontario Spills database has revealed two (2) records of spills within a 250 m radius of the Site. The records retrieved are summarized as follows:

- In May 2002, an unknown amount of an unspecified material was spilt to the ground at a Hydro One site located near 325 Centrum Boulevard, approximately 100 m west of the Site. The spill is reported to have been from a drum at an unfenced decommissioned site. No further details are available; and
- In January 2016, a natural gas (methane) leak was reported at a townhouse located at 3275 St-Joseph Boulevard, approximately 120 m southeast of the Site. The leak was a result of a fire/explosion.

Both occurrences present low risk for environmental concern to the Site due to their distance from the Site and the type of product released. Natural gas is not considered a potential environmental concern.

The database service provider has included additional records which cannot be confirmed as being within the 250 m search radius of the Site. These records are identified as “unplottable” due to limited information available in the records, namely addresses. The “unplottable” records of spills which cannot be confirmed as beyond a 250 m radius of the Site are summarized as follows:

- In August 1990, at Highway 17 Cumberland Township, an unspecified amount of natural gas was released into the atmosphere as a result of a damaged pipe or hose from moving equipment. As mentioned above, natural gas is not considered a potential environmental concern, therefore the risk associated with this spill is considered low;
- In September 1993, a reported 145 L of hydraulic oil was spilt to the ground from paver equipment at a Highway 17 construction site in the Cumberland Township. Highway 17 was renamed to Highway 174 upon completion of the expansion of the highway in 1997. Therefore, it is possible the identified hydraulic oil spill occurred on the highway situated 30 m north of the Site. The risk for environmental concern associated with the historical spill is low based on the inferred groundwater flow direction being north towards the Ottawa River, downgradient of the Site, as well as the topographic features of the Site and surrounding lands. The Site is elevated in comparison to the highway, therefore it is unlikely residual from the spill would have migrating onto the Site; and
- In 2007, an unspecified amount of coolant was spilt to the Highway 174 westbound from as a result of malfunction with a City of Ottawa public transit vehicle (OC Transpo). Environmental impacts were listed as not being anticipated, and as previously mentioned, due to the inferred hydrogeological and topographic features of the area, the risk for potential environmental concern to the Site is considered to be low.

3.5.12.2 Abandoned Mine Information System (AMIS)

The AMIS database provides information on abandoned and inactive mines located on Crown land as well as on privately owned property. Such information regarding the former facilities includes the name of facility, the status, background information, operation dates and mine features as well as the primary material extracted, hazards and remediation.

Database:	Abandoned Mine Information System
Years covered:	1800 to October 2018
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
One (1) record was retrieved from the AMIS which included the former Queenswood Village Quarry. The Queenswood Village Quarry is listed as an abandoned mine as of 2003. The reason for the closure is unspecified however it is revealed that the quarry operated since at least 1989 as a limestone industry. The location of the quarry is described as Lot 36, Concession 1, South of Ottawa River. The Site is situated within the area described. However based on a review of available aerial photographs dating back to the mid 1940's (described in greater detail in Section 3.6.1), no visible evidence of a quarry was identified. Furthermore, the general area of the Site was developed significantly as of the 1970's, when, according to the AMIS, the quarry was in operation.	

3.5.12.3 Ontario Regulation 347 Waste Generators Summary

The MECP's Waste Management branch maintains an inventory of Waste Generators in Ontario.

Database:	Ontario Regulation 347 Waste Generators Summary
Years covered:	1986 to January 31, 2020
Search radius:	250 m
Date accessed:	April 13, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
One (1) record for a registered waste generator was retrieved within 250 m of the Site. Place Beausejour, located at 340 Centrum Boulevard, approximately 110 m southwest of the Site, is registered as a generator of Oil Skimmings and Sludges in 2016. The risk for potential environmental concern to the Site is considered to be low due to the distance from the Site.	

3.5.12.4 Ontario Regulation 347 Waste Receivers Summary

Under Regulation 347 of the Ontario Environmental Protection Act (EPA), a receiver of regulated waste is required to register the facility as a waste receiver. The EPA regulates waste disposal through Certificates of Approval and Provisional Certificates Approval.

Database:	Ontario Regulation 347 Waste Receivers Summary
Years covered:	1986 to 2016
Search radius:	250 m
Date accessed:	April 13, 2020
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.5.12.5 Private and Retail Fuel Storage Tanks

Database:	Private and Retail Fuel Storage Tanks
Years covered:	1989 to 1996
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.5.12.6 Fuel Oil Spills and Leaks

The Spill Action Centre compiles and lists the registered spills and leaks of petroleum products, natural gas including propane and hydrogen. The information in the list is not a complete inventory of the spills and leaks, but rather a copy of the incidents reported to the Spills Action Centre. The records include incidents such as fuel-related spills, fires and explosions. The information listed is not confirmed for accuracy of completeness.

Database:	Fuel Oil Spills and Leaks
Publication Date:	February 28, 2017
Search radius:	250 m

Description of data, analysis and findings relevant to the Phase I ESA:

Records of two (2) incidents were retrieved within a 250 m radius of the Site. They include the following:

- In February 2015, an approximate 1 L of natural gas was released at 303 Pintail Terrace, residential dwelling located approximately 180 m north of the Site, as a result of a down draft through a vent; and
- In January 2016, a release of 1 L of natural gas was reported at 3275 St-Joseph Boulevard, 120 m southeast of the Site, 1 L as a result of an explosion at a townhouse.

Natural gas is not considered a potential environmental concern therefore the risk associated with the incidents is considered low.

3.5.12.7 Scott's Manufacturing Directories

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario.

Database:	Scott's Manufacturing Directory
Years covered:	1992 to March 2011
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.5.12.8 Inventory of PCB Storage Sites

The MECP maintains an inventory of PCB storage sites within the Ontario.

Database:	Inventory of PCB Storage Sites
Years covered:	1987 – October 2014; and 2012 – December 2013
Search radius:	250 m
Description of data, analysis and findings relevant to the Phase I ESA:	
No records were found within a 250 m radius of the Site.	

3.6 Physical Setting Sources

3.6.1 Aerial Photographs

Select aerial photographs reviewed were obtained through database service provider (Ecolog Eris, Toronto, Ontario) and their report is included in **Appendix D**. Their search returned aerial photographs through the National Air Photo Library (NAPL). Photographs retrieved by Ecolog Eris included the following years: 1946, 1955, 1960 and 1988. The remaining aerial photographs reviewed were obtained by LRL through the City of Ottawa interactive mapping system, geoOttawa (1976, 1991, 2002, 2011 and 2017).

Review of the photographs was completed to develop a general history of the development of the Site and surrounding properties. Aerial photographs may be at a scale that limits a detailed review of the Site and surrounding properties. Copies of select aerial photographs are included in **Appendix E**.

Year	Photo Number	Scale
1946	--	1:15 000
1955	--	1:35 000
1960	--	1:25 000
1976	--	--
1988	--	1:20 000
1991	--	--
2002	--	--
2011	--	--
2017	--	--

Rational for time period between aerial photographs used

A regular interval of approximately 10 years was used, when possible. No aerial photographs are available prior to the mid-1940's.

Summary of information obtained from aerial photographs

The Site and surrounding properties are generally undeveloped, agricultural fields or treed in the 1946. Structures inferred to be residential or agricultural related are observed on select neighbouring lands to the north and south of the Site and a road is observed to the north of the Site running in an east-west direction. No significant changes were observed to the Site or the neighbouring lands in 1955 and 1960 aerial photographs with the exception to a road present to the south of the Site, inferred to be the present-day St-Joseph Boulevard. Increased residential development is observed to the south of the Site in the 1976 aerial imagery (AP1), which increased more so in 1988, as well as at the lands to the north, east and west. High-density development is observed to the north and south. Highway 174 is observed north of the Site in 1991 (AP2) with increased development to the west of the Site. No significant changes were observed in 2002, 2011 and 2017 (AP3). Earth moving activities are observed on the eastern portion of the Site, and the neighbouring lands are developed to the east, including Eric Czapnik Way.

Relevant information regarding potentially contaminating activity and areas of potential environmental concern

No potentially contaminating activity or potential environmental concerns were identified.

3.6.2 Topography, Hydrology & Geology

A topographic map was obtained to illustrate the location of the Site in relation to any water bodies in the area and document the regional topography. The map is included in **Appendix F**.

Map:	Ontario Base Map
Approximate elevation:	Between approximately 60 and 70 m above mean sea level (amsl).
Topography:	Sloping north with a large incline across the centre of the property (mound of fill material)
Nearest open water body:	Ottawa River located approximately 1.1 km north of the Site, however, the Petrie Island Wetland is located approximately 800 m to the north of the Site.

Geological maps were reviewed to obtain information on regional geology, surficial soils and bedrock.

Generalized surficial geology[1]:	Champlain Sea Sediments: Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosional so in places clay is uniform blue-grey unit includes lenses, bars, and channel-fills to sand and pockets of nonmarine silt that were formed during terrace (or channel) cutting. Bedrock Paleozoic: Limestone, dolomite, sandstone, and locally shale; relatively flat-lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m thick.
Generalized bedrock geology[2]:	Ottawa Formation: Limestone with some shaly partings; some sandstone in basal part.

[1] St-Onge D.A., 2009: Surficial geology, lower Ottawa valley, Ontario-Quebec; Geological Survey of Canada, Map 2104A, scale 1:125000.

[2] Harrison J.E., 1980: Generalized bedrock geology, Ottawa-Hull, Ontario-Quebec; Geological Survey of Canada, Map 1508A, scale 1:125000.

4 INTERVIEWS

Interview subject:	Eric Danis, Development Director Landric Homes Inc. (Owner of Site)
Date:	May 13, 2020

Pertinent information:

- Mr. Danis indicated that Landric Homes Inc. purchased the property in February 2020, however he has been familiar with the Site for the last 2-years.
- According to Mr. Danis, the Site is currently vacant, and it is anticipated to construct a four-storey multi tenant residence.
- To the best of Mr. Danis knowledge, he is not aware of any current or historical potential contaminating activities on the Site of the adjacent properties such as fueling stations, manufacturing facilities, dry cleaners, commercial painting facility of landfill.
- Mr. Danis has indicated, that to best of his knowledge, the Site has never been equipped or developed with a septic system, water supply well, storm drain utilities, under/aboveground storage tanks, chemical storage or additional indicators of potential environmental concerns.
- No waste is produced on the Site according to Mr. Danis.
- To the best of Mr. Danis knowledge, the Site has never had notices of environmental violations from any regulatory agency, investigations by a government agency or potential responsibility for environmental contamination, or any lawsuits, disputes or administrative proceeding regarding environmental concerns associated with the site or activities conducted on the site.

5 SITE RECONNAISSANCE

5.1 Site Visit Information

Date:	May 8, 2020
Time:	12:40 PM – 13:20 PM
Weather Conditions:	Overcast, 5°C
Person conducting Site visit:	Jessica Arthurs, Environmental Technician
Limitation to visit:	Dense cover of fallen overgrown grasses from last season covered the majority of the Site which limited observations to the ground surface beneath the foliage.
Property Use	Generally undeveloped and vacant with a construction staging and storage yard at the eastern extent in support of the ongoing construction activities on the neighbouring lands to the south and southeast. Further details are provided in Section 0.

Photographs from the Site visits are included in **Appendix G.**

5.2 General

5.2.1 Hazardous Materials & Unidentified Substances

Hazardous materials:	Not observed.
Unidentified substances:	Not observed.

5.2.2 Storage Tanks & Containers

Aboveground storage tanks (ASTs):	Not observed.
Underground storage tanks (USTs):	Not observed.
Fill ports, vent pipes:	Not observed.
Storage containers:	Not observed.

5.2.3 Odours

Odours:	Not observed.
Air emissions:	Not observed.

5.3 Exterior Observations

5.3.1 Topography, Geology & Hydrogeology

Landscaped & vegetated area:	The majority of the Site is covered by overgrown grasses and shrubs, excluding the eastern extent where granular crushed stone is present across the surface. Small clusters of trees are present at the southeastern, northwestern and northeastern portions of the Site.
Pavement, roads & driveways:	Not observed, however the eastern extent of the Site is utilized as a staging/storage area for a neighbouring construction project. This portion of the Site is covered with a granular crushed stone material. Further details of the staging area are provided in Section 5.3.3.
Topography:	The Site slopes steeply to the north from the southern property line. The location currently used as a construction staging/storage area at the eastern extent of the Site is generally flat with steep slopes along the north and northeastern extents. A large mound of fill is present across the majority of the property extending to approximately 10 and 15 m above grade.
Surface drainage:	Not observed.
Drainage improvements:	Not observed.

Receives drainage from adjacent lands:	Suspected from the adjacent residential property, including associated parking and circulation area, to the south.
Watercourses, ditches or standing water:	Not observed on the Site, however a ditch is present north of the Site along the southern extent of the neighbouring Highway 174. It is anticipated that runoff from the highway is intercepted by the ditch.
Other observations:	Bedrock outcrops were observed on the adjacent land to the south of the Site.

5.3.2 Structures

The Site is vacant with no existing structures. No evidence indicative of historical developments was observed on the Site.

Structures:	Not Applicable.
Location:	Not Applicable.
Use:	Not Applicable.
Construction date:	Not Applicable.
Footprint:	Not Applicable.
Floors:	Not Applicable.
Basement:	Not Applicable.
Exterior finish:	Not Applicable.

5.3.3 Other Observations

Wells:	Not observed.
Sewage disposal:	Not observed.
Pits and lagoons:	Not observed.
Wastewater:	Not observed.
Solid waste:	Approximately 235 m² of granular crushed stone with concrete and traces of asphalt debris is present at the eastern extent of the Site along the foot of the fill mound. Furthermore, traces of concrete are present along the south base of the large mound of fill across the subject Site.
Stained material:	Not observed.
Stressed vegetation:	Not observed.
Fill or previous fill activities:	A large mound of fill is present across the majority of the Site. The pile is estimated to extend between 10 and 15 m in height and covers an area of approximately 860 m². The material appears to be primarily sand and till with granular crushed stone. However, grass cover limited a detailed examination of the entire pile.
Earth-moving activity:	Not observed.
Other	The eastern extent of the Site is used as a staging/storage area of neighbouring construction activities. Materials and supplies generally associated with construction were observed, including modu-loc fencing and components, traffic control barrels, water service piping and fittings, sanitary or storm piping and fittings and snow fencing. No evidence of the storage of chemicals or fuels was observed.

5.4 Utilities

Potable Water:	No.
Wastewater:	No.
Storm Sewer:	No.
Electricity:	No.
Telephone:	No.
Natural Gas:	No.

5.5 Interior of Structures

No building structures are present on the Site.

Heating Systems	Not Applicable.
Cooling Systems	Not Applicable.
Floor drains:	Not Applicable.
Sumps:	Not Applicable.
Paint booth:	Not Applicable.
Staining or corrosion (other than water):	Not Applicable.
Mechanical equipment:	Not Applicable.
Interior finishing	Not Applicable.
Other:	Not applicable.

5.6 Adjacent Land Use

The current land uses of the adjoining properties were observed from the property limits and publicly accessible locations to assess potential impacts to the Site that may arise from off-Site operations. The properties surrounding the subject Site are as follows:

North:	Undeveloped followed by Highway 174.
South:	High density residential and associated parking and circulation area.
East:	Eric Czapnik Way followed by high density residential.
West	Grassed parkland with evidence of municipal service manhole covers.

5.7 Special Attention Items

Eleven chemical contaminants have been identified under the Occupational Health and Safety Act (OHSA) and regulations have been set in place to prohibit, regulate restrict, limit or control workers exposure to these substances. Other hazardous materials not included in the OHSA but under the Environmental Protection Act were also observed. The observations presented herein do not constitute a designated substance/hazardous material survey but are rather for information purposes only.

5.7.1 Designated Substances

Asbestos Containing Material (ACM) Since the late 1970's the manufacture and use of asbestos containing building materials started to decrease. It is commonly presumed that buildings constructed prior to 1980 are more likely to contain both friable and non-friable forms of asbestos. General buildings constructed up to the mid 1980's are more likely to contain non-friable asbestos (flooring, joint compound). Not Applicable.
Lead Lead may be present in a variety of building materials including paint and water distributions pipes, however lead based paints (LBP) are considered the most significant hazard. According to published information by Health Canada concerning LBP, buildings constructed before 1980 may contain lead-based interior and exterior paints. Not Applicable.
Mercury Minor amounts of mercury are commonly found in a variety of building material including mercury vapour lamps, fluorescent light tubing and thermostats and other electrically control switches. Not Applicable.
Others No other designated substances were identified (i.e. arsenic, ethylene oxide, silica, vinyl chloride, benzene, coke oven emissions, acrylonitrile or isocyanates).

5.7.2 Other Hazardous Building Materials/Items

Microbial Contamination and Mould:
Not Applicable.

Ozone-Depleting Substances (ODS):
ODS such as chlorofluorocarbons (CFC) and hydrochlorofluorocarbon (HCFC) are typically found in refrigeration equipment, air conditioners, aerosols, cleaning solvents and fire extinguishers. Federal regulations required the elimination of production and import of CFC and a freeze on the production and import of HCFC by January 1, 1996. The regulations govern only the production and import therefore these materials are stilled used as long as a supply is in place.

Not Applicable.

Polychlorinated Biphenyls (PCB):
The Federal Chlorobiphenyls Regulation, SOR/91-152 prohibits PCBs from being used in products, equipment, machinery, electrical transformers and capacitors which were manufactured or imported into the country after July 1, 1980. However, older equipment in use after this date may still contain PCBs if the equipment fluid has not been replaced. PCB-containing equipment can also include fluorescent, mercury, and sodium vapour light ballasts.

Not Applicable.

Urea Formaldehyde Foam Insulation (UFFI):
UFFI was widely used as an insulating material until December 1980 when a ban was enacted under the Hazardous Products Act. UFFI was commonly injected through walls by drilling injection holes in roof structures, ceilings and overhangs.

Not Applicable.

Radon:
Radon gas is a product of the decay series of uranium that is commonly found in geological units that contain black shale, sandstone or granite. Radon can percolate up through the soil where it may accumulate in basement of buildings with cracks or joints in the foundation. Because the existence of radon is dependent upon geological factors, it is more a regional concern than site specific. Based on the review of radon maps of Eastern Ontario, radon levels in the area of the Site are moderate. Radon exposure can lead to increased risk of developing lung cancer.

Electric and Magnetic Fields:
Electromagnetic fields are generally associated with high frequency power lines. No high voltage power lines were noted within 250 m of the Site.

Noise and Vibration:
Noise and vibration are typical of an urban environment.

Methane:
Methane gas is a colourless and odourless gas commonly formed by the decomposition of organic material. The Site is not close to any active or closed waste disposal sites, marshes, swamps or peat deposits therefore methane is not a concern.

6 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

Below is a summary of the current and past uses of 280 Eric Czapnik Way, Ottawa, Ontario:

Year	Name of Owner	Description of Property Use	Property Use	Source of Information
<1846	Crown	Unknown	Unknown	Land Title Search
1846 -1991	Various Individuals	Undeveloped	Agricultural fields or treed as of at least 1946 through approximately 1976.	Aerial photographs and Land Title Search
1991 - 2005	Richmond Glen Estates Ltd.	Undeveloped	Vacant	Aerial photographs and Land Title Search
2005 - 2007	Regional Municipality of Ottawa-Carleton	Undeveloped	Vacant	Aerial photographs and Land Title Search
2007 - 2011	City of Ottawa to OTCP Residential Lands G.P. Inc. / Forum Investment and Development Corporation	Undeveloped	Vacant	Aerial photographs and Land Title Search
2011 – February 2020	Hillside Vista Inc.	Undeveloped	Vacant	Aerial photographs and Land Title Search
February 2020 to Present	Landric Homes Inc.	Undeveloped	Vacant	Aerial photographs and Land Title Search

6.2 Potential Contaminating Activity & Areas of Potential Environmental Concern

A potentially contaminating activity is a use or activity set out in Table 2 of Schedule D of the O. Reg. 153/04. These activities are summarized in the Table included in **Appendix H**. The activities on the Site and lands within 250 m generally consist of residential, vacant and Highway 174 infrastructure with commercial land use in the distant southwest (retail/office space).

Based on the results of the Phase I Environmental Site Assessment the following areas of potential environmental concern were identified:

PEC	Location	Comments	Contaminants of Potential Concern	Media Potentially Impacted	Level of Risk
Fill of unknown quality	Across the majority of the Site.	Approximate area of 860 m². The quality of the fill material should be confirmed to permit for informative decisions on the appropriate handling and potential adverse effects to the site conditions as a result.	VOC, PHC, Metals	Soil	Moderate to High
Asphalt debris	Eastern portion of the Site.	Small quantities observed at the time of the Site visit within the granular crushed stone piles	PHC, VOC	Soil	Low
Spills	Highway 17 construction site in Cumberland Township.	145 L spill of hydraulic oil in September 1993 to the ground from paver equipment.	VOC, PHC	Soil and Groundwater	Low
	Highway 174 Westbound.	An unspecified amount of coolant was spilt to the Highway 174 westbound from as a result of malfunction with a City of Ottawa public transit vehicle.	Glycol	Soil and Groundwater	Low

Notes: PEC – Potential Environmental Concern
VOC – Volatile Organic Compounds
PHC – Petroleum Hydrocarbons

Risk levels: Low – Unlikely potential for environmental impacts
Moderate – Some potential for environmental impacts
High – Definite potential for environmental impacts

6.3 Phase I Conceptual Site Model

The location of the Site is shown in the attached **Figure 1** and the current layout of the Site is shown in the attached **Figure 2**. The Phase I ESA identified the following:

- The Site is situated at the eastern extents of the City of Ottawa limits, within the Orleans ward of the City, within a high-density residential setting. Commercial developments (retail/office space) is present at the southwestern extents of the search radius. The Site is currently undeveloped and has been since at least 1946. It is understood that a multi-unit residential development is proposed to be constructed on the Site.
- The Site is irregular shaped with an area of approximately 5,200 m² (0.52 hectare). The majority of the Site is covered by overgrown grasses and shrubs, excluding the eastern extent where granular crushed stone is present across the surface and is utilized as a staging/storage area for a neighbouring construction project.
- A large mound of fill is present across the majority of the property with an approximate area of 860 m² and an elevation of between approximately 10 to 15 m above grade. An approximately 235 m² of granular crushed stone with concrete and traces of asphalt is present at the eastern extent of the Site. Furthermore, traces of concrete are present along the south base of the large mound of fill.

- According to available aerial photographs reviewed as part of this assessment, the Site and surrounding properties are generally undeveloped, agricultural fields, treed and low density-residential between at least 1946 through 1960. Increased residential development on the neighbouring lands have been present since at least the mid 1970's.
- Records of six (6) potable supply wells were retrieved within 250 m of the Site. Each of which are drilled into the underlying bedrock formation. However, presently the neighbouring properties are service by municipal water, sanitary and storm sewer services. The Site is not serviced nor is there any indication of private services present.
- The topography of the Site is sloping north with elevations ranging between 60 and 70 m amsl. The mound of fill across the majority of the property accounts for an additional large incline the property. The Ottawa River located approximately 1.1 km north of the Site, however, the Petrie Island Wetland is located approximately 800 m to the north of the Site.
- No records of Certificates of Approval were found within a 250 m radius of the Site. However, the database service provider has included additional records, which, although cannot be confirmed as being within the 250 m search radius, have the potential of being within the search radius based on information included in the record. Fourteen additional records were retrieved and are identified as "unplottable" due to limited information available in the records, namely addresses. The "unplottable" records present low risk for environmental concerns as a result of the type of approval and processes issued (i.e. air emissions, municipal and private sanitary and water services).
- Nine (9) records were retrieved for Environmental Compliance Approval's within 250 m of the Site, and one (1) record was retrieved for within the "unplottable" records reviewed. No records were retrieved for the Site. The records retrieved for ECA's present low risk for environmental concerns as a result of the type of ECA and processes issued (i.e. municipal sanitary and water services).
- Two (2) records of spills within a 250 m radius of the Site, and three (3) "unplottable" records were retrieved. Generally, these occurrences present low risks for environmental concern to the Site due to their distances and the type of product released. However, the following "unplottable" records retrieved are of a slightly elevated risk for environmental concern, as the confirmed location of the incidents are not known:
    - A reported 145 L spill of hydraulic oil in September 1993 to the ground from paver equipment at a Highway 17 construction site in the Cumberland Township was identified. Highway 17 was renamed to Highway 174 upon completion of the expansion of the highway in 1997.Therefore, it is possible the identified hydraulic oil spill did occur on the highway situated 30 m north of the Site. The risk for environmental concern associated with the historical spill is low based on the inferred groundwater flow direction being north towards the Ottawa River, down-gradient of the Site, as well as the topographic features of the Site and surrounding lands. The Site is elevated in comparison to the highway; therefore it is unlikely residual from the spill would have migrating onto the Site; and
    - In 2007, an unspecified amount of coolant was spilt to the Highway 174 westbound as a result of malfunction with a City of Ottawa public transit vehicle (OC Transpo). Environmental impacts were listed as not being anticipated, and as previously mentioned, due to the inferred hydrogeological and topographic features of the area, the risk for potential environmental concern to the Site is considered to be low.
- One (1) record was retrieved of an abandoned mine. The Queenswood Village Quarry is listed as an abandoned mine as of 2003. The reason for the closure is unspecified,

however it is revealed that the quarry operated since at least 1989 as a limestone industry. Although the location of the quarry matches that of the Site (Lot 36, Concession 1, South of Ottawa River). Based on a review of available aerial photographs dating back to the mid-1940's, no visible evidence of a quarry was identified. Furthermore, the general area of the Site was developed significantly in the 1970's, when, according to the AMIS, the quarry was in operation. The risk associated with the former quarry operations is considered low.

- One (1) record for a registered waste generator was retrieved within 250 m of the Site. Place Beausejour, located at 340 Centrum Boulevard, approximately 110 m southwest of the Site, is registered as a generator of Oil Skimmings and Sludges in 2016. The risk for potential environmental concern to the Site is considered to be low due to the distance from the Site.
- Records of two (2) incidents were retrieved within a 250 m radius of the Site, both involving the release of natural gas. Natural gas is not considered a potential environmental concern, therefore the potential risk associated with the incidents is considered low.
- No records of a coal tar industrial site, pollutant release, environmental registry, or manufacturing facilities under the Scott's Manufacturing Directory within a 250 m radius of the Site. No records of active or closed waste disposal sites were retrieved within 1 km of the Site.

The potential environmental risks to the Site associated with properties within 250 m are considered low to moderate. The records of the petroleum and coolant spills along the Highway 17/174 present low risk for environmental concern due to the distance from the Site and hydrogeological and geological features of the general area. The existing pile of fill presents a moderate to high risk to the Site. The material appeared to consist primarily of till, with granular crushed stone and traces of concrete. The material has not been confirmed suitable for use on the Site or has the safe handling procedures for off-Site disposal been established. The small quantities of asphalt debris were encountered in granular crushed stone fill piles along the eastern foot of the fill mound. The risk associated with the asphalt debris is low, however asphalt is not considered suitable for use as fill and should be disposed of off-site at a licensed facility.

7 CONCLUSIONS

Based on the findings of the Phase I ESA, a Phase II ESA is not recommended. However, the following additional environmental work is recommended:

- The asphalt debris encountered in the granular crushed stone fill piles along the eastern foot of the fill mound should be removed from the Site and disposed of accordingly at a licenced facility. Although granular crushed stone is considered acceptable for use as fill material, asphalt is not permitted to be buried as fill material according to provincial regulations; and
- Representative confirmatory samples of the large fill mound across the majority of the Site should be collected and analysed in accordance with the applicable provincial regulations, Ontario Regulation 406/19: On-Site and Excess Soil Management, 2019 to confirm if the material is acceptable to be used on Site for fill, or how to handle and disposed of the material at an off-Site location accordingly, and safely.
    - The fill pile is approximately 860 m² in size and extends between approximately 10 and 15 m in height for an approximate volume of 12,450 m³. According to O. Reg. 406/19, a minimum of 56 soil samples are to be

collected from the fill pile at various locations, including various intervals into the mound, for the analysis of the parameters of the concern.

- Analytical results of the fill material will be compared to the O. Reg. 153/04:
  - Table 7: Generic SCS for Shallow Soils in a Non-Potable Ground Water Condition, residential land use and coarse-textured soils if the material is to be left on Site for future use as fill material;
  - Table 1: Full Depth Background SCS residential land use and coarse-textured soils if the material is to be disposed of off-Site at a property other than a waste disposal site or soil recycling facility; and
  - TCLP Schedule 4, O. Reg. 558, for off-Site disposal acceptance at a licenced waste disposal facility.
- Soils which do not comply with the representative SCS be disposed of accordingly.
  - No soils in excess of the Table 7 site condition standards will be permitted for use on Site; and
  - Once soils which are in excess of Table 7 are removed from the Site, the conditions of the ground surface underlying the fill mound will be verified through additional verification sampling.

8 LIMITATIONS AND USE OF REPORT

The results of this Phase I ESA should not be considered a warranty that the subject property is free from any and all contaminants from former and current practices, other than those noted in this report, nor that all compliance issues have been addressed.

The findings contained in this report are based on data and information collected during the Phase I ESA of the subject property conducted by LRL Associates Ltd. The conclusions and recommendations are based solely on-Site conditions encountered at the time of our inspection on May 8th, 2020, supplemented by historical information and data obtained as described in this report. No assurance is made regarding changes in conditions subsequent to the time of this investigation. If additional information is discovered or obtained, LRL Associates Ltd. should be requested to re-evaluate the conclusions presented in this report and to provide amendments as required.

In evaluating the subject property, LRL Associates Ltd. has relied in good faith on information provided by individuals as noted in this report. We assume that the information provided is factual and accurate. We accept no responsibility for any deficiencies, misstatements or inaccuracies contained in this report as a result of omissions, misinterpretation or fraudulent acts of the persons contacted.

This report is intended for the sole use of Landric Homes Inc. and their authorized agents. LRL Associates Ltd. will not be responsible for any use of the information contained within this report by any third party.

In addition, LRL Associates Ltd. will not be responsible for the real or perceived decrease in the property value, its saleability or ability to gain financing, through the reporting of factual information.

Yours truly,
LRL Associates Ltd.

Jessica Arthurs
Environmental Technician

Matthew Whitney, P. Eng.

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Ontario Regulation 153/04, amended to O. Reg. 269/11 made under the Environmental Protection Act, *Record of Site Conditions – Part X.1 of the Environmental Protection Act*, July 1, 2011.

Ontario Regulation 406/19, 2019, On-Site and Excess Soil Management, December 4, 2019.

St-Onge D.A., 2009: Surficial geology, lower Ottawa valley, Ontario-Quebec; Geological Survey of Canada, Map 2104A, scale 1:125000.

Waste Management Branch, Ontario Ministry of the Environment, Waste Disposal Site Inventory, June 1991.

FIGURES

LRJ
ENGINEERING | INGÉNIERIE
5430 Canotek Road I Ottawa, ON, K1J 9G2
www.lrl.ca I (613) 842-3434

PROJECT

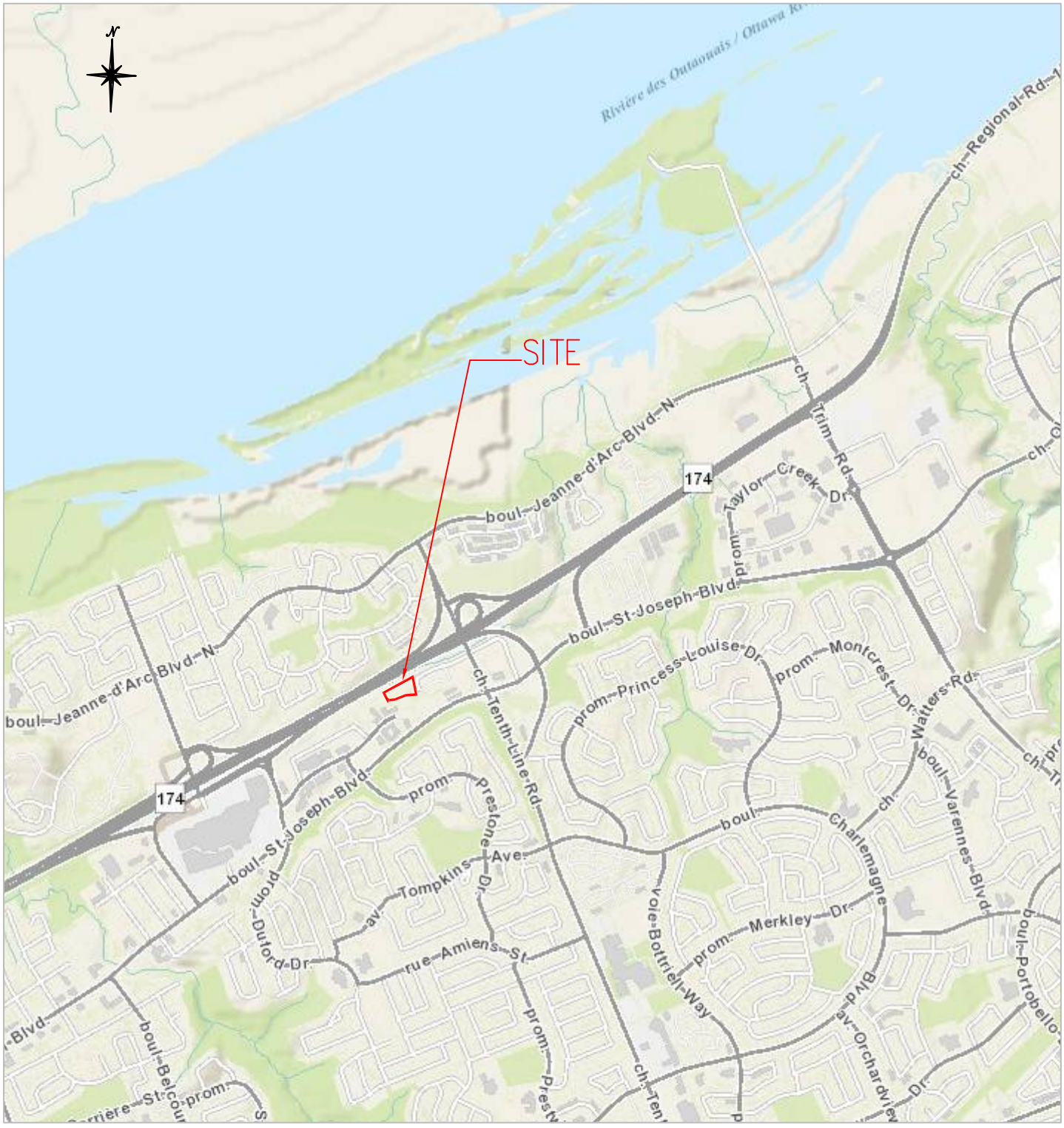
PHASE I
ENVIRONMENTAL SITE ASSESSMENT
280 ERIC CZAPNIK WAY
OTTAWA, ONTARIO

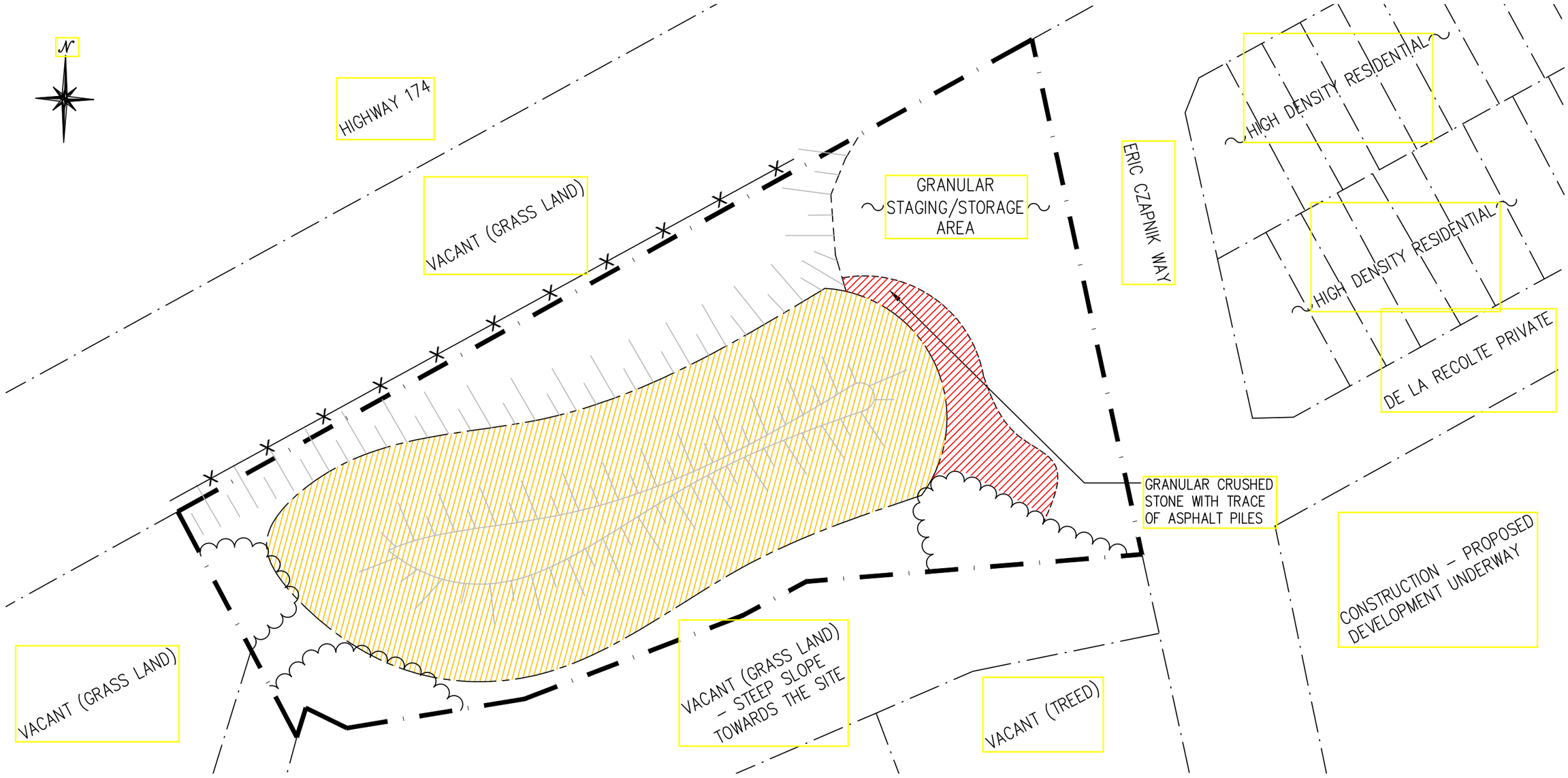
DRAWING TITLE

SITE LOCATION
(NOT TO SCALE)
SOURCE: geoOttawa

CLIENT	DATE	PROJECT
LANDRIC HOMES INC.	MAY 2020	200041

FIGURE 1





LEGEND

- PROPERTY LINE
- ADJACENT PROPERTY LINE
- DIVISION AMONGST SURFACE MATERIALS
- SLOPE
- APPROXIMATE TREE LINE
- GENERAL AREA OF GRANULAR CRUSHED STONE FILL PILES
- GENERAL AREA OF FILL MOUND

10m 5 0 10 20m

SCALE: 1:500

No.	REVISIONS	BY	DATE
01	FINAL	J.A.	20/05/2020

LRL
ENGINEERING I INGÉNIERIE
5430 Canotek Road I Ottawa, ON, K1J 9G2
www.lrl.ca I (613) 842-3434

CLIENT

LANDRIC HOMES INC.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
J.A.	J.A.	M.W.

PROJECT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
280 ERIC CZAPNIK WAY
OTTAWA, ONTARIO

DRAWING TITLE

SITE PLAN

PROJECT NO. 200041

DATE MAY 2020

FIGURE2

APPENDIX A

CHAIN OF TITLE

CHAIN OF TITLE REPORT

Project #: 20200408040
Address: 280 Eric Czapnik Way, Orleans
Legal Description: Block 9, Plan 4M1542

Searched at: Ottawa
LRO #: 4

PIN #: 14508-0355(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	26 10 1846	Crown	**Canada Company**
3674	Deed	03 07 1856	Canada Company	Theophile MULBEAUF
1037	Deed	07 11 1863	Theophile Mulbeauf	Horace TRAVERSE
10013	Deed	24 03 1864	Horace Traverse	Henry THOMAS
612	Deed	20 11 1893	Henry Thomas	John FEATHERSTON
697	Deed	12 05 1894	John Featherston	John THOMPKINS
767	Deed	26 10 1894	John Thompkins	Joseph PAPINEAU
1346	Deed	29 05 1896	Joseph Papineau	Seidore ST. JACQUES
1347	Deed	29 05 1896	Seidore St. Jacques	William DUNLOP

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 20200408040
Address: 280 Eric Czapnik Way, Orleans
Legal Description: Block 9, Plan 4M1542

Searched at: Ottawa
LRO #: 4

PIN #: 14508-0355(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
18057	Deed	02 07 1946	William Dunlop - estate	Eugene BRISEBOIS & Felicita BRISEBOIS
64812	Deed	01 03 1979	Felicita Brisebois (surviving joint tenant)	Aristide GRENIER
71785	Deed	25 08 1980	Aristide Grenier	Jean-Marie GRENIER & Emilie GRENIER
83874	Deed	17 06 1983	Jean-Marie Grenier Emilie Grenier	Gerard ROBERT & Gilberte ROBERT
97661	Deed	22 10 1988	Gerard Robert & Gilberte Robert	Richmond Glen Estates Ltd.
120361	Deed	15 03 1989	Richmond Glen Estates Ltd.	785606 Ontario Inc.
120362	Deed	15 03 1989	785606 Ontario Inc.	Richmond Glen Estates Ltd.
125138	Mortgage	06 11 1989	Richmond Glen Estates Ltd.	Confederation Trust Company (Mortgagee)
RR136810	Deed	27 08 1991	Confederation Trust Company (Richmond Glen Estates Ltd defaulted in 125138)	Regional Municipality of Ottawa-Carleton

Cont'd on page 3

CHAIN OF TITLE REPORT

Project #: 20200408040
Address: 280 Eric Czapnik Way, Orleans
Legal Description: Block 9, Plan 4M1542

Searched at: Ottawa
LRO #: 4

PIN #: 14508-0355(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
OC500807	Name Change	19 08 2005	Regional Municipality of Ottawa-Carleton	City of Ottawa
OC591803	Easement	15 05 2006	City of Ottawa	Hydro One Networks Inc.
OC713787	Deed	01 05 2007	City of Ottawa	OTCP Residential Lands G.P. Inc.
OC1306219	Name Change	16 11 2011	OTCP Residential Lands G.P. Inc.	Forum Investment and Development Corporation
OC1306294	Deed	16 11 2011	Forum Investment and Development Corporation	Hillside Vista Inc.
OC1722931	Easement	15 03 1989	Hillside Vista Inc.	City of Ottawa
OC1723609	Easement	21 09 2015	Hillside Vista Inc.	Rogers Communications Inc.
OC1723610	Easement	21 09 2015	Hillside Vista Inc.	Bell Canada
OC1828333	Easement	20 09 2016	Hillside Vista Inc.	Enbridge Gas Distribution Inc.
OC2196370	Deed (Present Owner)	27 02 2020	Hillside Vista Inc.	**Landric Homes Inc.**

PROPERTY DESCRIPTION: BLOCK 9, PLAN 4M1542; SUBJECT TO AN EASEMENT AS IN OC591803; SUBJECT TO AN EASEMENT IN GROSS OVER PART 2 PLAN 4R-28903 AS IN OC1722931; SUBJECT TO AN EASEMENT AS IN OC1723609; SUBJECT TO AN EASEMENT AS IN OC1723610; SUBJECT TO AN EASEMENT AS IN OC1828333; CITY OF OTTAWA

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
ABSOLUTE

RECENTLY:
SUBDIVISION FROM 14508-0346

PIN CREATION DATE:
2015/08/13

OWNERS' NAMES
LANDRIC HOMES INC.

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2015/08/13 **						
OC591803	2006/05/15	TRANSFER EASEMENT	$1	CITY OF OTTAWA	HYDRO ONE NETWORKS INC.	C
OC713705	2007/05/01	BYLAW		CITY OF OTTAWA		C
REMARKS: BY-LAW NO. 2007-199						
OC713798	2007/05/01	NOTICE		*** DELETED AGAINST THIS PROPERTY ***		
				OTCP RESIDENTIAL LANDS G.P. INC.	CITY OF OTTAWA	
OC713816	2007/05/01	NO OPTION PURCHASE		OTCP RESIDENTIAL LANDS G.P. INC.	CITY OF OTTAWA	C
OC1306295	2011/11/16	NOTICE		HILLSIDE VISTA INC.	HILLSIDE VISTA INC.	C
REMARKS: OC713816						
OC1306296	2011/11/16	NOTICE		*** DELETED AGAINST THIS PROPERTY ***		
				HILLSIDE VISTA INC.	HILLSIDE VISTA INC.	
REMARKS: OC713798						
OC1306297	2011/11/16	CHARGE		*** DELETED AGAINST THIS PROPERTY ***		
				HILLSIDE VISTA INC.	LAURENTIAN BANK OF CANADA	
OC1697319	2015/07/03	CHARGE		*** DELETED AGAINST THIS PROPERTY ***		
				HILLSIDE VISTA INC.	JOR-DAN MANAGEMENT INC.	
OC1697320	2015/07/03	NO ASSGN RENT GEN		*** DELETED AGAINST THIS PROPERTY ***		
				HILLSIDE VISTA INC.	JOR-DAN MANAGEMENT INC.	
REMARKS: OC1697319						
4M1542	2015/08/06	PLAN SUBDIVISION				C
OC1709106	2015/08/06	NO SUB AGREEMENT		CITY OF OTTAWA	HILLSIDE VISTA INC.	C
OC1709107	2015/08/06	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY ***		

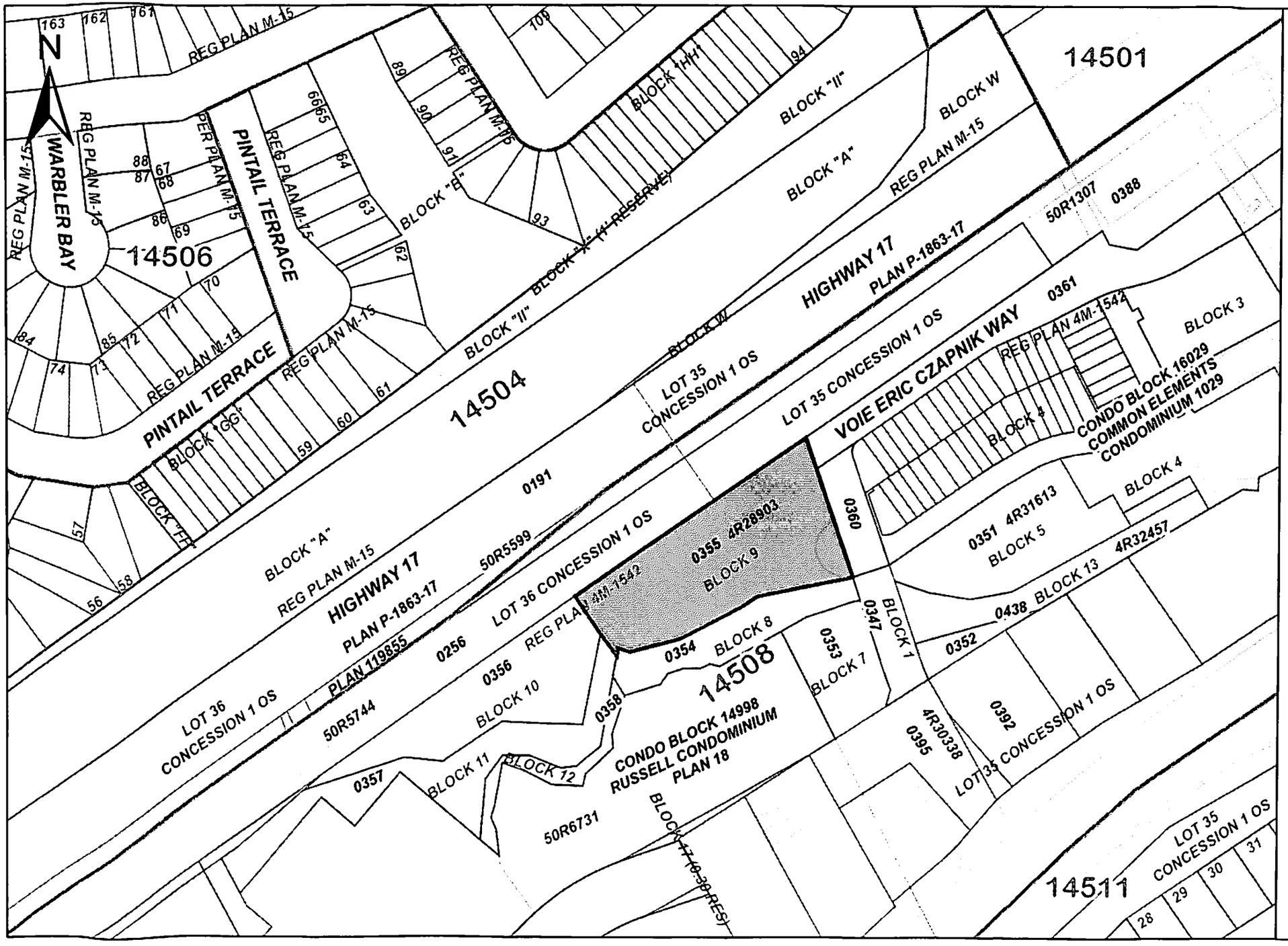
NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				LAURENTIAN BANK OF CANADA	CITY OF OTTAWA	
	REMARKS: OC1306297 TO OC1709106					
OC1709108	2015/08/06	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY ***		
				JOR-DAN MANAGEMENT INC.	CITY OF OTTAWA	
	REMARKS: OC1697319 TO OC1709106					
OC1709109	2015/08/06	NOTICE	$1	CITY OF OTTAWA	HILLSIDE VISTA INC.	C
OC1709110	2015/08/06	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY ***		
				LAURENTIAN BANK OF CANADA	CITY OF OTTAWA	
	REMARKS: OC1306297 TO OC1709109					
OC1709111	2015/08/06	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY ***		
				JOR-DAN MANAGEMENT INC.	CITY OF OTTAWA	
	REMARKS: OC1697319 TO OC1709109					
OC1709112	2015/08/06	APL INH ORDER-LAND		*** DELETED AGAINST THIS PROPERTY ***		
				CITY OF OTTAWA		
	REMARKS: SEE DOCUMENT FOR COMPLIANCE REQUIREMENTS.					
4R28903	2015/08/06	PLAN REFERENCE				C
OC1722929	2015/09/18	DISCHARGE INTEREST		*** COMPLETELY DELETED ***		
				CITY OF OTTAWA		
	REMARKS: OC713798.					
OC1722931	2015/09/18	TRANSFER EASEMENT	$1	HILLSIDE VISTA INC.	CITY OF OTTAWA	C
OC1722932	2015/09/18	POSTPONEMENT		*** COMPLETELY DELETED ***		
				LAURENTIAN BANK OF CANADA	CITY OF OTTAWA	
	REMARKS: OC1306297 TO OC1722931 DELETED BY COURT BOYLE 2020/01/29					
OC1722933	2015/09/18	POSTPONEMENT		*** COMPLETELY DELETED ***		
				JOR-DAN MANAGEMENT INC.	CITY OF OTTAWA	
	REMARKS: OC1697319 TO OC1722931 DELETED BY COURT BOYLE 2020/01/29					
OC1723609	2015/09/21	TRANSFER EASEMENT	$1	HILLSIDE VISTA INC.	ROGERS COMMUNICATIONS INC.	C
OC1723610	2015/09/21	TRANSFER EASEMENT	$1	HILLSIDE VISTA INC.	BELL CANADA	C
OC1723635	2015/09/21	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY ***		
				LAURENTIAN BANK OF CANADA	ROGERS COMMUNICATIONS INC.	

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: OC1306297 TO OC1723609					
OC1723636	2015/09/21	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY *** JOR-DAN MANAGEMENT INC.	ROGERS COMMUNICATIONS INC.	
	REMARKS: OC1697319 TO OC1723609					
OC1723637	2015/09/21	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY *** LAURENTIAN BANK OF CANADA	BELL CANADA	
	REMARKS: OC1306297 TO OC1723610					
OC1723638	2015/09/21	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY *** JOR-DAN MANAGEMENT INC.	BELL CANADA	
	REMARKS: OC1697319 TO OC1723610					
OC1725058	2015/09/25	APL DEL INH ORDER		*** COMPLETELY DELETED *** CITY OF OTTAWA		
	REMARKS: OC1709112.					
OC1765787	2016/02/22	NOTICE		*** COMPLETELY DELETED *** HILLSIDE VISTA INC.	LAURENTIAN BANK OF CANADA	
	REMARKS: OC1306297					
OC1828333	2016/09/20	TRANSFER EASEMENT	$2	HILLSIDE VISTA INC.	ENBRIDGE GAS DISTRIBUTION INC.	C
OC1828347	2016/09/20	POSTPONEMENT		*** COMPLETELY DELETED *** LAURENTIAN BANK OF CANADA	ENBRIDGE GAS DISTRIBUTION INC.	
	REMARKS: OC1306297 TO OC1828333					
OC1828348	2016/09/20	POSTPONEMENT		*** COMPLETELY DELETED *** JOR-DAN MANAGEMENT INC.	ENBRIDGE GAS DISTRIBUTION INC.	
	REMARKS: OC1697319 TO OC1828333					
OC1868477	2017/02/17	CHARGE		*** DELETED AGAINST THIS PROPERTY *** HILLSIDE VISTA INC.	LAURENTIAN BANK OF CANADA	
OC1868489	2017/02/17	CHARGE		*** DELETED AGAINST THIS PROPERTY *** HILLSIDE VISTA INC.	JOR-DAN MANAGEMENT INC.	
OC1870846	2017/02/28	DISCH OF CHARGE		*** COMPLETELY DELETED *** LAURENTIAN BANK OF CANADA		
	REMARKS: OC1306297.					
OC1870931	2017/03/01	DISCH OF CHARGE		*** COMPLETELY DELETED ***		

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
				JOR-DAN MANAGEMENT INC.		
	REMARKS: OC1697319.					
OC1985073	2018/04/11	TRANSFER OF CHARGE		*** DELETED AGAINST THIS PROPERTY ***		
				JOR-DAN MANAGEMENT INC.	J.S.M. LTD	
	REMARKS: OC1868489.					
OC2156477	2019/10/22	NOTICE	$1	CITY OF OTTAWA	HILLSIDE VISTA INC.	C
OC2196345	2020/02/27	DISCH OF CHARGE		*** COMPLETELY DELETED ***		
				J.S.M. LTD		
	REMARKS: OC1868489.					
OC2196370	2020/02/27	TRANSFER	$1,500,000	HILLSIDE VISTA INC.	LANDRIC HOMES INC.	C
	REMARKS: PLANNING ACT STATEMENTS.					
OC2199893	2020/03/11	DISCH OF CHARGE		*** COMPLETELY DELETED ***		
				LAURENTIAN BANK OF CANADA		
	REMARKS: OC1868477.					

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



ServiceOntario

PRINTED ON 30 APR, 2020 AT 11:05:33
FOR BERTUCCI1

SCALE

0 30 60 90 meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	*0449*
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

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APPENDIX B

ONTARIO WELL RECORDS

UTM 1 8 Z 4 6 0 6 2 0 E

Con 5 R 5 0 3 6 6 0 0 N

Elev 7 R 3 0 2 2 5

Basin 2 5

1513193

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
DEC 3 1963
ONTARIO WATER RESOURCES COMMISSION

56 No. 341

O.F. Con I Lot 35   31G/5h

County or District Russell Township, Village, Town or City ~~Cumberland~~

Con. ~~1st from Ottawa Front~~ Lot 35 Date completed 17 (day) October (month) 1963 (year)

[redacted]dress 74 St. André. Ottawa, Ont.

Casing and Screen Record	
Inside diameter of casing	5 5/8
Total length of casing	18'
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	5 5/8

Pumping Test	
Static level	10'
Test-pumping rate	12 G.P.M.
Pumping level	25'
Duration of test pumping	2 hrs.
Water clear or cloudy at end of test	clear
Recommended pumping rate	6 G.P.M.
with pump setting of	25 feet below ground surface

Well Log: Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
bolders and broken rock	0	14	62	~~62~~
grey limestone	14	62		fresh

For what purpose(s) is the water to be used? domestic

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

Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling

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

Licence Number 1025

Name of Driller or Borer G.Charbonneau

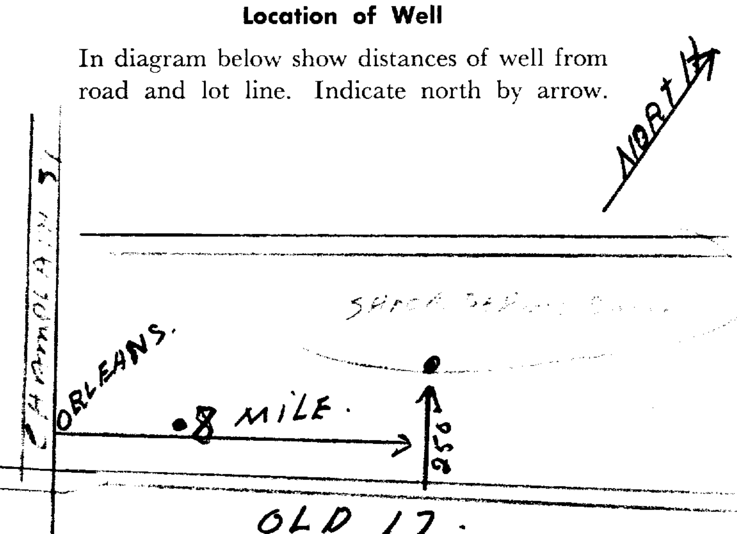
Address R.R.# 1, Box 194, Orleans, Ont.

Date October 17, 1963

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M-60-4138

OWRC COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

3/G/5 [illegible]

Water management in Ontario

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

11 | ~~1510714~~ 5601255 | MUNICIP. 56903 | CON. ØF C 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
~~Carleton~~ Russell	Cumberland	~~1st, from Ottawa River~~ I OF	~~34~~ 35 03

[redacted] R. 1, Orleans, Ont.

DATE COMPLETED 48-53: DAY 11 MO. 7 07 YR. ~~1969~~ 69

[redacted] 036540 | RC. 4 | ELEVATION 0195 | RC. 5 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
blue	clay			0	100
		coarse gravel & bolders		100	148
grey	limestone		1513198	148	158

31: 0100 3 95 | 0148 11 13 | 0158 2 15

32:

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0158	☒ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL
	☐ FRESH ☐ SALTY ☐ SULPHUR ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
02	☐ STEEL ☒ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE	510	0	0150
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☒ OPEN HOLE			0158
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

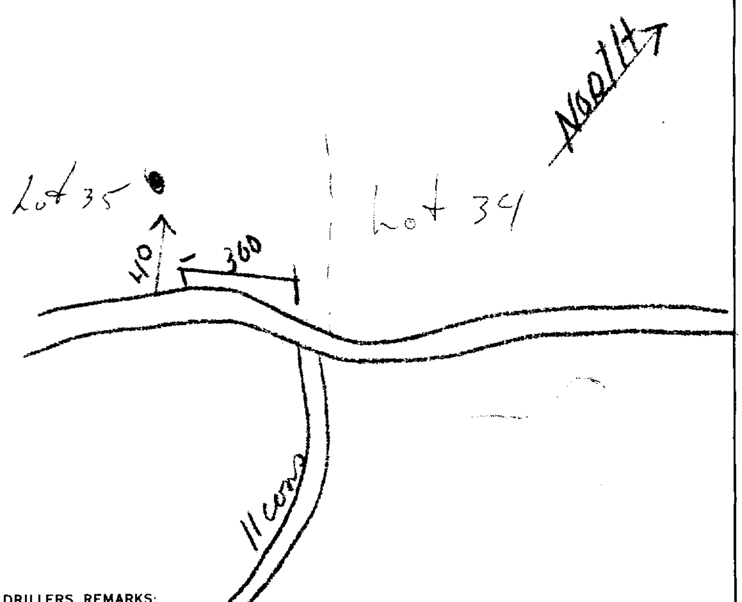
DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	☒ PUMP ☐ BAILER
PUMPING RATE	0010 GPM.
DURATION OF PUMPING	02 HOURS 00 MINS.
STATIC LEVEL	025 (~~15-25~~) FEET
WATER LEVEL END OF PUMPING	040 (~~025~~) FEET
WATER LEVELS DURING	☒ PUMPING ☐ RECOVERY
15 MINUTES	030 FEET
30 MINUTES	035 FEET
45 MINUTES	040 FEET
60 MINUTES	040 FEET
IF FLOWING, GIVE RATE	GPM.
PUMP INTAKE SET AT	50 FEET
WATER AT END OF TEST	☒ CLEAR ☐ CLOUDY
RECOMMENDED PUMP TYPE	☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING	050 FEET
RECOMMENDED PUMPING RATE	0006 GPM.
GPM./FT. SPECIFIC CAPACITY	0027

LOCATION OF WELL

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



DRILLERS REMARKS:

FINAL STATUS OF WELL: ☒ WATER SUPPLY ☐ OBSERVATION WELL ☐ TEST HOLE ☐ RECHARGE WELL ☐ ABANDONED, INSUFFICIENT SUPPLY ☐ ABANDONED, POOR QUALITY ☐ UNFINISHED

WATER USE 01: ☒ DOMESTIC ☐ STOCK ☐ IRRIGATION ☐ INDUSTRIAL ☐ OTHER ☐ COMMERCIAL ☐ MUNICIPAL ☐ PUBLIC SUPPLY ☐ COOLING OR AIR CONDITIONING ☐ NOT USED

METHOD OF DRILLING: ☐ CABLE TOOL ☐ ROTARY (CONVENTIONAL) ☐ ROTARY (REVERSE) ☐ ROTARY (AIR) ☐ AIR PERCUSSION ☐ BORING ☒ DIAMOND ☐ JETTING ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	G. Charbonneau, Diamond & Cable Drilling
LICENCE NUMBER	3395
ADDRESS	R. R. 1, Box 194, Orleans, Ont.
NAME OF DRILLER OR BORER	G. Charbonneau
LICENCE NUMBER	3395
SIGNATURE OF CONTRACTOR	Gérard Charbonneau
SUBMISSION DATE	DAY 11 MO. 7 YR. 1969

OFFICE USE ONLY

DATA SOURCE	1
CONTRACTOR	1504
DATE RECEIVED	300770
DATE OF INSPECTION	
INSPECTOR	[illegible]
REMARKS:	Km

OWRC COPY

MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

3165H

Ontario

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

11 1516402 MUNICIP 1501 1 CON OF 01

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Cumberland	O.F 1 105	035

[redacted]
R2, Orleans, Ont.

DATE COMPLETED: DAY 14 MO 07 YR 77

UTM 036499 RC 4 ELEVATION 0160 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
yellow	clay			0	17
grey	slate			17	45
grey	limestone			45	125

31 0017505 0045219 0125215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0125	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	22
06				
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

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

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER — air

PUMPING RATE: 006 GPM — DURATION OF PUMPING: 01 HOURS 30 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
034 FEET	120 FEET	060 FEET	034 FEET	034 FEET	034 FEET

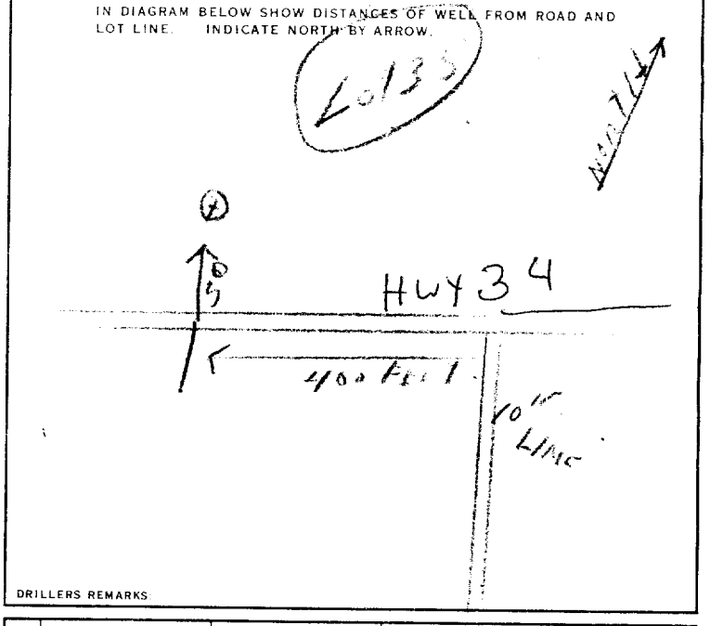
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	115 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	115 FEET	0006 GPM

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

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



DRILLERS REMARKS

FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 4
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: G.Charbonneau+Son Drilling Ltd — LICENCE NUMBER: 1504

ADDRESS: R.R.2, Box 194, Orleans, Ont. K1C 1T1

NAME OF DRILLER OR BORER: L. Bourgeois — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 14 MO. 7 YR. 77

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 1504 — DATE RECEIVED 100278

DATE OF INSPECTION 8/5/78 — INSPECTOR K. D'N.

REMARKS: brick bungalow grey

P

WI

CSS.SB

MINISTRY OF THE ENVIRONMENT COPY

FORM 7 MOE 07-091

UTM 18 Z 4 6 0 6 2 0 E

5 R 5 0 3 4 6 5 0 0 N

Elev. 7 R 0 2 0 /

Basin 2 5

1513197

3 9

The Ontario Water Resources Commission Act

WATER RESOURCES DIVISION
56 No 342
SEP 18 1967
ONTARIO WATER RESOURCES COMMISSION

WATER WELL RECORD

31G/5h

County or District: Russell — O.F. Con I Lot 35 — Township, Village, Town or City: Cumberland

Con. ~~1st. from Ottawa R.~~ L. OF — Lot 35 — Date completed: 22 August 1967 (day month year)

[redacted] Address: Orléans, Ont.

Casing and Screen Record

Inside diameter of casing	5"
Total length of casing	50'
Type of screen	
Length of screen	
Depth to top of screen	
Diameter of finished hole	6"

Pumping Test

Static level	40'
Test-pumping rate	8 G.P.M.
Pumping level	100'
Duration of test pumping	3 hrs.
Water clear or cloudy at end of test	clear
Recommended pumping rate	6 G.P.M.
with pump setting of	100 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
loose rock & clay	0	4	181	fresh
grey limestone	4	181		

For what purpose(s) is the water to be used? domestic

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

Drilling or Boring Firm: G. Charbonneau, Diamond & Cable Drilling,

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

Licence Number: 2593

Name of Driller or Borer: George Leary

Address: Carleton Place, Ont.

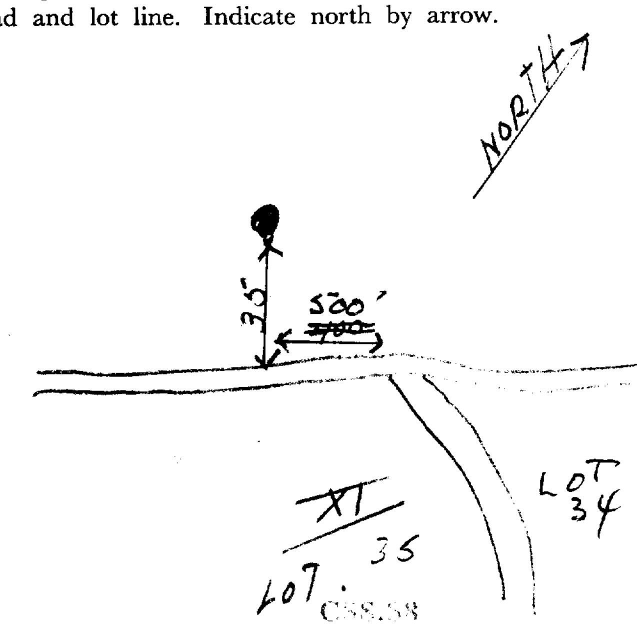
Date: 22 August, 1967.

Gérard Charbonneau

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M-60-4138

OWRC COPY

c9

UTM |1|8|z |4|6|0|6|4|0| E

|5|R |5|0|3|6|5|2|0| N

Elev. |7|R |0|2|5|0|

Basin |2|5|3|5|

256

1513195

WATER RESOURCES DIVISION
No 56 MAY 17 1965
ONTARIO WATER RESOURCES COMMISSION

808

C

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District ~~Russell~~ O.F. Con T Lot 35   31G/5h   Township, Village, Town or City Twp. of Cumberland

Con. ~~1st Con from Ottawa River~~ I OF Lot 35   Date completed April 30, 1965 (day month year)

[redacted] Address RR #1, Orleans, Ont.

Casing and Screen Record		Pumping Test	
Inside diameter of casing	5¼	Static level	30'
Total length of casing	53'	Test-pumping rate	18 G.P.M.
Type of screen		Pumping level	50'
Length of screen		Duration of test pumping	3 hrs.
Depth to top of screen		Water clear or cloudy at end of test	Clear
Diameter of finished hole	5¼	Recommended pumping rate	6 G.P.M.
		with pump setting of	70 feet below ground surface

Well Log / **Water Record**

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Broken stone and clay	0	4		
Grey limestone	4	180	180	Fresh

For what purpose(s) is the water to be used? Domestic

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

Drilling or Boring Firm G. Charbonneau Diamond & Cable Drilling

Address RR #1, Box 194, Orleans, Ont.

Licence Number 1331

Name of Driller or Borer Bruck Stacey

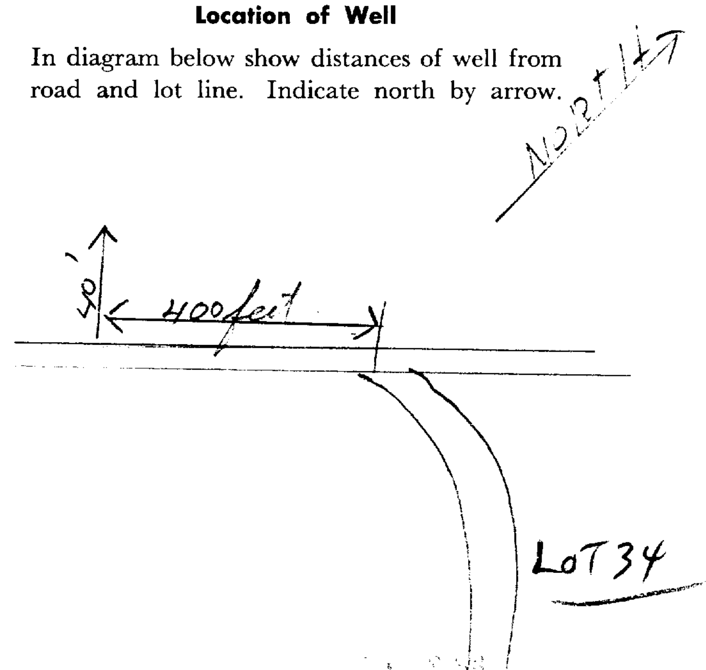
Address RR #1, Jasper, Ont.

Date April 30, 1965.

Gerard Charbonneau
(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M-60-4138

OWRC COPY

7WE.

UTM |1|8|z |4|6|0|6|8|0|E

Ottawa Front

|5|R |5|0|3|6|5|6|0|N

Con I

Elev. |7|R |0|2|4|0|

Lot 35

25

1513194

WATER RESOURCES DIVISION
56 No 807
JAN 19 1965
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

31G/5h

Basin |2|5| County ~~or District~~ Russell O.F. Con I Lot 35 Township, Village, Town or City Cumberland

Con. ~~1st Ottawa River~~ I O.F. Lot 35 Date completed 1 October 1964. (day month year)

[redacted] ess R.R. # 1, Orleans, Ont.

Casing and Screen Record

Inside diameter of casing 5 5/8

Total length of casing 54'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5 5/8

Pumping Test

Static level 30'

Test-pumping rate 6 G.P.M.

Pumping level 80

Duration of test pumping 4 hrs.

Water clear or cloudy at end of test clear

Recommended pumping rate 6 G.P.M.

with pump setting of 90 feet below ground surface

Well Log / Water Record

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
grey limestone	0	176	176'	fresh

For what purpose(s) is the water to be used? domestic

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

Drilling or Boring Firm

G. Charbonneau, Diamond & Cable Drilling,

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

Licence Number 1418

Name of Driller or Borer Bruce Stacey

Address R.R. # 4, Jasper, Ont.

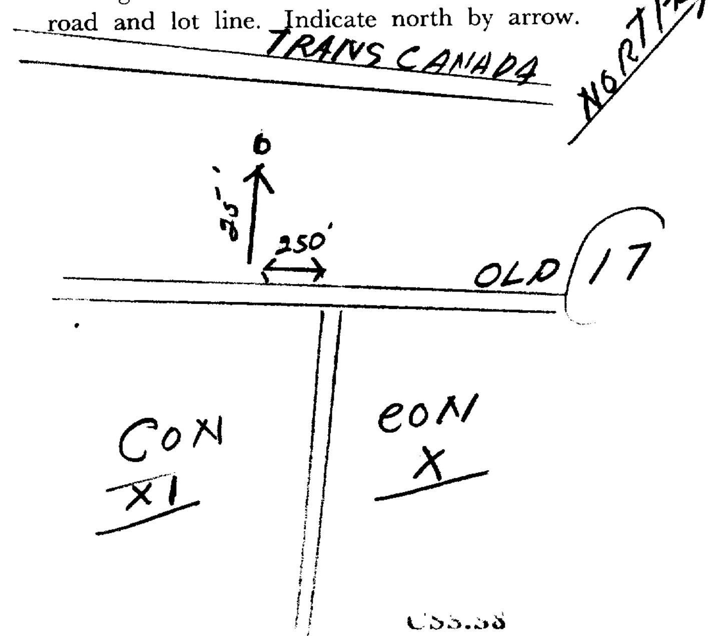
Date 1st October, 1964.

Gérard Charbonneau

(Signature of Licensed Drilling or Boring Contractor)

Location of Well

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



Form 7 15M-60-4138

OWRC COPY

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APPENDIX C

ECOLOG ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*200041 - Landric Homes* *280 Eric Czapnik Way* *Orléans ON K1E 3X8*
Project No:	*200041*
Report Type:	*Standard Report*
Order No:	*20200408040*
Requested by:	*LRL Associates Ltd.*
Date Completed:	*April 13, 2020*

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

Table of Contents

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Executive Summary

Property Information:

Project Property:	*200041 - Landric Homes* *280 Eric Czapnik Way Orléans ON K1E 3X8*
Project No:	*200041*

Coordinates:

Latitude:	*45.4841138*
Longitude:	*-75.5058169*
UTM Northing:	*5,036,856.02*
UTM Easting:	*460,471.04*
UTM Zone:	*18T*

Elevation:	*184 FT* *56.08 M*

Order Information:

Order No:	*20200408040*
Date Requested:	*April 8, 2020*
Requested by:	*LRL Associates Ltd.*
Report Type:	*Standard Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
City Directory Search	*CD - Subject Site plus 250m Radius*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Land Title Search	*Historical Land Title Search*
Topographic Map	*ANSI Map & Ontario Base Map (OBM)*

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	1	1
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	3	3
CA	Certificates of Approval	Y	0	0	0
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	9	9
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	6	6
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FED TANKS	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	1	1
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	2	2

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
	Total:	0	29	29	

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	EHS		3259 St Joseph Blvd Orléans ON K1C 1T1	SSW/50.9	6.08	17
2	EHS		241 Centrum Blvd Ottawa ON	E/116.6	3.39	17
2	EHS		241 Centrum Blvd Ottawa ON K1E0A1	E/116.6	3.39	17
2	ECA	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	E/116.6	3.39	17
2	ECA	DCR/Phoenix Development Corporation Limited	241 Centrum Blvd Ottawa ON K2E 6T8	E/116.6	3.39	18
2	ECA	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	E/116.6	3.39	18
3	ECA	DCR/Phoenix Development Corporation Limited	Silo St (241 Centrum Boulevard) Ottawa ON K2E 6T8	E/124.7	0.84	18
4	EHS		Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON	ESE/130.4	7.86	18
5	BORE		ON	SE/139.0	14.42	19
6	EHS		St. Joseph Blvd Ottawa ON	SSE/140.5	16.73	20
7	EHS		Hillside Vista Ottawa ON	E/168.3	4.81	20
8	BORE		ON	E/182.9	12.15	20

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	WWIS		lot 35 con 1 ON ***Well ID:*** 1513193	E/182.9	12.15	21
10	AMIS	QUEENSWOOD VILLAGE Q	CUMBERLAND ON	WSW/196.0	3.06	24
11	BORE		ON	ESE/202.8	18.79	24
12	WWIS		lot 35 con 1 ON ***Well ID:*** 1513198	ESE/202.9	18.79	26
13	ECA	1534436 Ontario Limited	Ottawa ON K2E 6T8	E/205.6	3.34	29
13	ECA	1534436 Ontario Limited	Ottawa ON K2E 6T8	E/205.6	3.34	29
14	WWIS		lot 35 con 1 ON ***Well ID:*** 1516402	ESE/208.4	21.75	29
15	ECA	OTCP Arts Centre G.P. Inc.	Commercial Dr , Reference Plan 4R-21938 Ottawa ON M5J 2N7	WSW/211.4	1.79	32
15	ECA	OTCP Arts Centre G.P. Inc.	Commercial Dr , Reference Plan 4R-21938 Ottawa ON M5J 2N7	WSW/211.4	1.79	32
15	ECA	OTCP Arts Centre G.P. Inc.	Commercial Dr , Reference Plan 4R-21938 Ottawa ON M5J 2N7	WSW/211.4	1.79	33
16	INC		303 PINTAIL TERRACE, OTTAWA ON	WNW/213.0	3.54	33
17	WWIS		lot 35 con 1 ON ***Well ID:*** 1513197	ESE/224.2	21.73	34
18	WWIS		lot 35 con 1 ON	ESE/230.0	19.54	36

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513195			
19	SPL	HYDRO ONE	HYDRO ONE SITE NEAR 325 CENTRUM BLVD OTTAWA CITY ON K1E 3W8	SW/231.8	3.15	38
20	INC		3275 ST JOSEPH BLVD, ORLÉANS ON	E/238.0	16.74	39
20	SPL		3275 St Josephs Blvd, Orleans Ottawa ON	E/238.0	16.74	40
21	GEN	Place Beausejour	340 Centrum Blvd. Ottawa ON K1E 3W2	SSW/238.7	12.39	40

Executive Summary: Summary By Data Source

AMIS - Abandoned Mine Information System

A search of the AMIS database, dated 1800-Oct 2018 has found that there are 1 AMIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
QUEENSWOOD VILLAGE Q	CUMBERLAND ON	WSW	195.98	10

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 3 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	SE	138.98	5
	ON	E	182.91	8
	ON	ESE	202.76	11

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 31, 2020 has found that there are 9 ECA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	E	116.62	2
DCR/Phoenix Development Corporation Limited	241 Centrum Blvd Ottawa ON K2E 6T8	E	116.62	2

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Blvd Ottawa ON K2E 6T8	E	116.62	2
DCR/Phoenix Development Corporation Limited	Silo St (241 Centrum Boulevard) Ottawa ON K2E 6T8	E	124.71	3
1534436 Ontario Limited	Ottawa ON K2E 6T8	E	205.55	13
1534436 Ontario Limited	Ottawa ON K2E 6T8	E	205.55	13
OTCP Arts Centre G.P. Inc.	Commercial Dr , Reference Plan 4R-21938 Ottawa ON M5J 2N7	WSW	211.39	15
OTCP Arts Centre G.P. Inc.	Commercial Dr , Reference Plan 4R-21938 Ottawa ON M5J 2N7	WSW	211.39	15
OTCP Arts Centre G.P. Inc.	Commercial Dr , Reference Plan 4R-21938 Ottawa ON M5J 2N7	WSW	211.39	15

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3259 St Joseph Blvd Orléans ON K1C 1T1	SSW	50.91	1
	241 Centrum Blvd Ottawa ON K1E0A1	E	116.62	2
	241 Centrum Blvd Ottawa ON	E	116.62	2

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON	ESE	130.35	4
	St. Joseph Blvd Ottawa ON	SSE	140.54	6
	Hillside Vista Ottawa ON	E	168.28	7

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2020 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Place Beausejour	340 Centrum Blvd. Ottawa ON K1E 3W2	SSW	238.67	21

INC - Fuel Oil Spills and Leaks

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

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	303 PINTAIL TERRACE, OTTAWA ON	WNW	213.01	16
	3275 ST JOSEPH BLVD, ORLÉANS ON	E	237.97	20

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2019 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

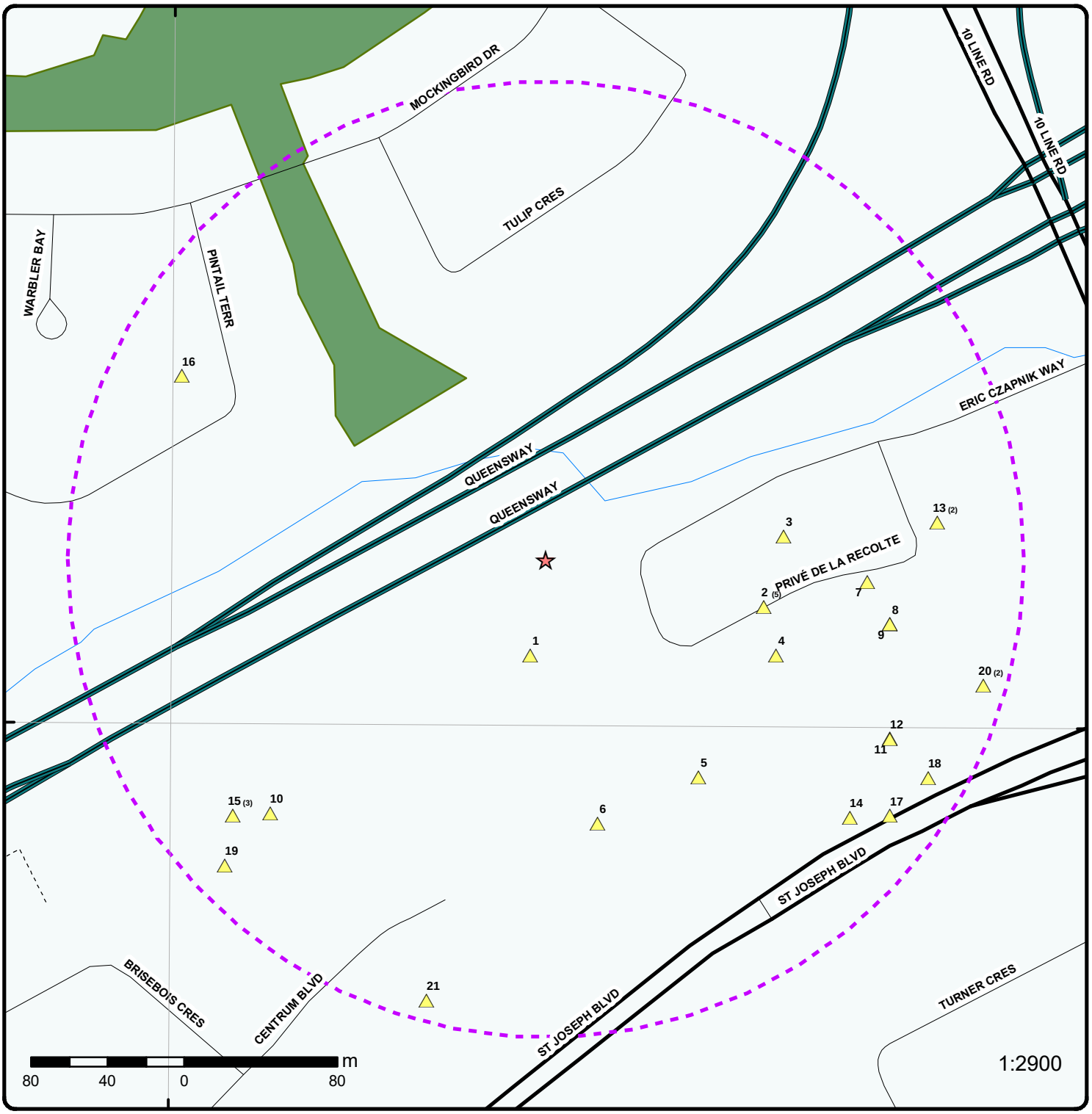
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
HYDRO ONE	HYDRO ONE SITE NEAR 325 CENTRUM BLVD OTTAWA CITY ON K1E 3W8	SW	231.81	19

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3275 St Josephs Blvd, Orleans Ottawa ON	E	237.97	20

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 35 con 1 ON ***Well ID:*** 1513193	E	182.95	9
	lot 35 con 1 ON ***Well ID:*** 1513198	ESE	202.86	12
	lot 35 con 1 ON ***Well ID:*** 1516402	ESE	208.41	14
	lot 35 con 1 ON ***Well ID:*** 1513197	ESE	224.22	17
	lot 35 con 1 ON ***Well ID:*** 1513195	ESE	230.01	18



Map : 0.25 Kilometer Radius

Order Number: 20200408040

Address: 280 Eric Czapnik Way, Orléans, ON

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

Source: © 2015 DMTI Spatial Inc.

© ERIS Information Limited Partnership

75°30'W

Aerial **Year: 2019**

Address: 280 Eric Czapnik Way, Orléans, ON

Source: ESRI World Imagery

Order Number: 20200408040

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership

Topographic Map

Address: 280 Eric Czapnik Way, ON

Source: ESRI World Topographic Map

Order Number: 20200408040

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SSW/50.9	62.2 / 6.08	3259 St Joseph Blvd Orléans ON K1C 1T1	EHS

Order No:	20190212216	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	20-FEB-19	**Search Radius (km):**	.25
Date Received:	12-FEB-19	**X:**	-75.505917
Previous Site Name:		**Y:**	45.483661
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 5	E/116.6	59.5 / 3.39	241 Centrum Blvd Ottawa ON	EHS

Order No:	20111025038	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	10/31/2011	**Search Radius (km):**	0.25
Date Received:	10/25/2011 2:02:58 PM	**X:**	-75.505606
Previous Site Name:		**Y:**	1
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans;		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 5	E/116.6	59.5 / 3.39	241 Centrum Blvd Ottawa ON K1E0A1	EHS

Order No:	20131213033	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	24-DEC-13	**Search Radius (km):**	.3
Date Received:	13-DEC-13	**X:**	-75.504836
Previous Site Name:		**Y:**	45.483826
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	3 of 5	E/116.6	59.5 / 3.39	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd. 241 Centrum Blvd Ottawa ON K2E 6T8	ECA

Approval No:	5703-A2WKM8	**MOE District:**	Ottawa
Approval Date:	2015-10-13	**City:**	
Status:	Approved	**Longitude:**	-75.5116
Record Type:	ECA	**Latitude:**	45.480056999999995
Link Source:	IDS	**Geometry X:**	
SWP Area Name:	Rideau Valley	**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	241 Centrum Blvd		
Full Address:			

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

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8323-A2SRC8-14.pdf

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2 | **4 of 5** | **E/116.6** | **59.5 / 3.39** | **DCR/Phoenix Development Corporation Limited**
241 Centrum Blvd
Ottawa ON K2E 6T8 | **ECA**

Approval No: 7121-A6LK69
Approval Date: 2016-02-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 241 Centrum Blvd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3228-9ZQPN4-14.pdf

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

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2 | **5 of 5** | **E/116.6** | **59.5 / 3.39** | **Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.**
241 Centrum Blvd
Ottawa ON K2E 6T8 | **ECA**

Approval No: 7128-A2UP2U
Approval Date: 2015-10-14
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: 241 Centrum Blvd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6318-A22KAY-14.pdf

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

---

3 | **1 of 1** | **E/124.7** | **56.9 / 0.84** | **DCR/Phoenix Development Corporation Limited**
Silo St (241 Centrum Boulevard)
Ottawa ON K2E 6T8 | **ECA**

Approval No: 0706-B65HMF
Approval Date: 2018-11-06
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Silo St (241 Centrum Boulevard)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4131-B5UHSX-14.pdf

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

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4 | **1 of 1** | **ESE/130.4** | **63.9 / 7.86** | **Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr**
Ottawa ON | **EHS**

Order No: 20050408012
Status: C
Report Type:
Report Date: 4/20/2005

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25

Date Received:	4/8/2005	**X:**	-75.505825
Previous Site Name:		**Y:**	1
Lot/Building Size:			
Additional Info Ordered:			

5 **1 of 1** **SE/139.0** **70.5 / 14.42** **ON** **BORE**

Borehole ID:	616360	**Inclin FLG:**	No
OGF ID:	215517149	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	OCT-1963	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.483094
Total Depth m:	-999	**Longitude DD:**	-75.504787
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460551
Drill Method:		**Northing:**	5036742
Orig Ground Elev m:	74.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	72.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218403743	**Mat Consistency:**	
Top Depth:	4.3	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Grey	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK. GREY. STONE. GREY. 00143FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 1950 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218403742	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Boulders	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Source

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

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

Source Details: File: OTTAWA2.txt RecordID: 088680 NTS_Sheet: 31G05H
Confiden 1:

Source List

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

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6 | **1 of 1** | **SSE/140.5** | **72.8 / 16.73** | **St. Joseph Blvd Ottawa ON** | **EHS**

Order No: 20140306041
Status: C
Report Type: Standard Report
Report Date: 17-MAR-14
Date Received: 06-MAR-14
Previous Site Name:
Lot/Building Size: linear extension ~200m
Additional Info Ordered: City Directory
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.50546
Y: 45.482874

---

7 | **1 of 1** | **E/168.3** | **60.9 / 4.81** | **Hillside Vista Ottawa ON** | **EHS**

Order No: 20170725101
Status: C
Report Type: Standard Report
Report Date: 01-AUG-17
Date Received: 25-JUL-17
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.503668
Y: 45.484017

---

8 | **1 of 1** | **E/182.9** | **68.2 / 12.15** | **ON** | **BORE**

Borehole ID: 616364
OGF ID: 215517153
Status:
Type: Borehole
Use:
Completion Date: OCT-1963
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 18.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 68.6
Elev Reliabil Note:
DEM Ground Elev m: 66.5
Concession:
Location D:
Survey D:
Comments:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.48382
Longitude DD: -75.503514
UTM Zone: 18
Easting: 460651
Northing: 5036822
Location Accuracy:
Accuracy: Not Applicable

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

Borehole Geology Stratum

Geology Stratum ID:	218403750	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	4.3	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Boulders	***Geologic Formation:***	
Material 2:	Bedrock	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BOULDERS.		

Geology Stratum ID:	218403751	***Mat Consistency:***	
Top Depth:	4.3	***Material Moisture:***	
Bottom Depth:	18.9	***Material Texture:***	
Material Color:	Grey	***Non Geo Mat Type:***	
Material 1:	Limestone	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	LIMESTONE. GREY. 00062Y. 001583FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 1950 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	***Source Appl:***	Spatial/Tabular
Source Orig:	Geological Survey of Canada	***Source Iden:***	1
Source Date:	1956-1972	***Scale or Res:***	Varies
Confidence:		***Horizontal:***	NAD27
Observatio:		***Verticalda:***	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 08872 NTS_Sheet:		
Confiden 1:			

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	E/182.9	68.2 / 12.15	lot 35 con 1 ON	WWIS

Well ID:	1513193	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/3/1963
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1504
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	035
Well Depth:		***Concession:***	01
Overburden/Bedrock:		***Concession Name:***	OF

Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10035181	***Elevation:***	66.538078
DP2BR:	0	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	h	***East83:***	460650.8
Code OB Desc:	Mixed in a Layer	***North83:***	5036822
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/17/1963	***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:	931022657
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:	62
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022656
Layer:	1
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	26
Other Materials:	ROCK
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:

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

Pipe Information

Pipe ID: 10583751
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062342
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062341
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513193
Pump Set At:
Static Level: 10
Final Level After Pumping: 25
Recommended Pump Depth: 25
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933468695
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 62
Water Found Depth UOM: ft

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

10 **1 of 1** **WSW/196.0** **59.1 / 3.06** **QUEENSWOOD VILLAGE Q** **AMIS**

CUMBERLAND ON

Site Access Code:		**Start Year:**	
AMIS Distr Code:		**End Year:**	
Abandoned Mine ID:	07449	**Prog Rehab Plan:**	UNDETERMINED
Old MDI ID:	SO2465	**Evid of Site Contam:**	UNK
New MDI ID:	MDI31G05NE00003	**Evid of Sulphide:**	UNK
Official Nm:	QUEENSWOOD VILLAGE Q	**Evid Animals Pres:**	UNK
Mine Status:	ABANDONED	**Revegetation:**	UNK
Mine Plan/Section:	UNDETERMINED	**Veg Condition:**	
Site Class:	NOT APPLICABLE	**Veg Descr:**	
Clos Reason Code:		**Chemical Doc:**	UNK
Closure Plan:	UNDETERMINED	**Jurisdiction:**	A.R.A.
Prim Commod Code:		**Lot No:**	36
Prim Commod:	UNDETRMINED	**Concession:**	1
Operat Access:	N/A	**Zone:**	18
Date Entered:		**Northing:**	5036723
Date Last Modified:		**Easting:**	460327
Effective Date:	2003-01-27.15:37:01	**Clos Reason:**	UNDETRMINED

Hyper Link: http://www.geologyontario.mndm.gov.on.ca/mndmfiles/AMIS/data/records/07449.html
AMIS District: TWEED
District Desc: TWEED
Animal Desc:
Status Type Code:
Mine Features Desc: QUARRY
AMIS Bkgrd Info: OGS 1989, LIMESTONE INDUSTRIES OF ONTARIO VOL.1 REPORTS A QUARRY OF UNDETERMINEDNOWN DIMENSIONS.. COMMODITY: LIMESTONE. LOT 36 CONC 1 SOUTH OF OTTAWA RIVER.
Alias Name: QUEENSWOOD VILLAGE Q

AMIS Features

AMIS Feature ID:	78693	**Feature Length:**	0
Effective Date:		**Eval Performed Ind:**	
Date Last Modified:		**Soil Erosion Flag:**	
Dt Entered in AMIS:		**Txt Feature ID:**	
Mine Feat Class Desc:	FEATURE TO SURFACE	**UTM Zone:**	18
Feature Type Code:		**UTM Northing:**	5036722
Mine Feat Type Desc:	QUARRY	**UTM Easting:**	460310
Hazard Status Desc:	NOT AVAILABLE	**Lat DD Features:**	45.4829
Depth or Height:	0	**Long DD Features:**	-75.50787
Feature Width:	0		
Mine Feature Condition Desc:			

11 **1 of 1** **ESE/202.8** **74.9 / 18.79** **BORE**

ON

Borehole ID:	616362	**Inclin FLG:**	No
OGF ID:	215517151	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUL-1969	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.48328
Total Depth m:	48.2	**Longitude DD:**	-75.503509
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	460651
Drill Method:		**Northing:**	5036762
Orig Ground Elev m:	59.4	**Location Accuracy:**	

Elev Reliabil Note: **Accuracy:** Not Applicable
DEM Ground Elev m: 74.3
Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218403748
Top Depth: 45.1
Bottom Depth: 48.2
Material Color: Grey
Material 1: Limestone
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: LIMESTONE. GREY. 001583FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 19500. K.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218403746
Top Depth: 0
Bottom Depth: 30.5
Material Color: Blue
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. BLUE.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Geology Stratum ID: 218403747
Top Depth: 30.5
Bottom Depth: 45.1
Material Color:
Material 1: Gravel
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL.

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 08870 NTS_Sheet:
Confiden 1:

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

Source List

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

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	1 of 1	ESE/202.9	74.9 / 18.79	lot 35 con 1 ON	WWIS

Well ID: 1513198
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/30/1970
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 035
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10035186
DP2BR: 148
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/11/1969
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 74.276809
Elevrc:
Zone: 18
East83: 460650.8
North83: 5036762
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931022667
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 148
Formation End Depth: 158
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022665

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

Overburden and Bedrock Materials Interval

Formation ID:	931022666
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	148
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10583756
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062352
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	158
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062351
Layer:	1
Material:	2

Open Hole or Material: GALVANIZED
Depth From:
Depth To: 150
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513198
Pump Set At:
Static Level: 25
Final Level After Pumping: 40
Recommended Pump Depth: 50
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934378041
Test Type: Draw Down
Test Duration: 30
Test Level: 35
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639039
Test Type: Draw Down
Test Duration: 45
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098928
Test Type: Draw Down
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896521
Test Type: Draw Down
Test Duration: 60
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933468700

Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 158
Water Found Depth UOM: ft

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13 | **1 of 2** | **E/205.6** | **59.4 / 3.34** | **1534436 Ontario Limited** | **ECA**

Ottawa ON K2E 6T8

Approval No: 9820-5XLN8F
Approval Date: 2004-03-31
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8332-5WVQD8-14.pdf

MOE District: Ottawa
City:
Longitude: -75.5032
Latitude: 45.484300000000005
Geometry X:
Geometry Y:

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13 | **2 of 2** | **E/205.6** | **59.4 / 3.34** | **1534436 Ontario Limited** | **ECA**

Ottawa ON K2E 6T8

Approval No: 0785-5WXK5X
Approval Date: 2004-03-12
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4487-5WVQK2-14.pdf

MOE District: Ottawa
City:
Longitude: -75.5032
Latitude: 45.484300000000005
Geometry X:
Geometry Y:

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14 | **1 of 1** | **ESE/208.4** | **77.8 / 21.75** | **lot 35 con 1 ON** | **WWIS**

Well ID: 1516402
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/10/1978
Selected Flag: Yes
Abandonment Rec:
Contractor: 1504
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 035
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10038325	***Elevation:***	75.427894
DP2BR:	17	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460629.8
Code OB Desc:	Bedrock	***North83:***	5036721
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	7/14/1977	***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:	931032022
Layer:	2
Color:	2
General Color:	GREY
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	17
Formation End Depth:	45
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931032021
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931032023
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE

Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 45
Formation End Depth: 125
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10586895
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930067364
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: 991516402
Pump Set At:
Static Level: 34
Final Level After Pumping: 120
Recommended Pump Depth: 115
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: 30
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934641451
Test Type: Recovery
Test Duration: 45
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934380360
Test Type:	Recovery
Test Duration:	30
Test Level:	34
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899353
Test Type:	Recovery
Test Duration:	60
Test Level:	34
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934101897
Test Type:	Recovery
Test Duration:	15
Test Level:	60
Test Level UOM:	ft

Water Details

Water ID:	933472703
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft

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15 ***1 of 3*** ***WSW/211.4*** ***57.9 / 1.79*** ***ECA***

OTCP Arts Centre G.P. Inc.
Commercial Dr , Reference Plan 4R-21938
Ottawa ON M5J 2N7

Approval No:	9834-7BMLUX	***MOE District:***	Ottawa
Approval Date:	2008-02-12	***City:***	
Status:	Approved	***Longitude:***	-75.5079
Record Type:	ECA	***Latitude:***	45.4829
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Rideau Valley	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Commercial Dr , Reference Plan 4R-21938		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/0633-7BJT5N-14.pdf		

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15 ***2 of 3*** ***WSW/211.4*** ***57.9 / 1.79*** ***ECA***

OTCP Arts Centre G.P. Inc.
Commercial Dr , Reference Plan 4R-21938
Ottawa ON M5J 2N7

Approval No:	7167-7FJQUB	***MOE District:***	Ottawa
Approval Date:	2008-06-18	***City:***	
Status:	Approved	***Longitude:***	-75.5079
Record Type:	ECA	***Latitude:***	45.4829
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Rideau Valley	***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		

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

Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Commercial Dr , Reference Plan 4R-21938
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8590-7BJT38-14.pdf

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15 | **3 of 3** | **WSW/211.4** | **57.9 / 1.79** | **OTCP Arts Centre G.P. Inc.**
Commercial Dr , Reference Plan 4R-21938
Ottawa ON M5J 2N7 | **ECA**

Approval No: 0685-7BQL94
Approval Date: 2008-02-12
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.5079
Latitude: 45.4829
Geometry X:
Geometry Y:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Address: Commercial Dr , Reference Plan 4R-21938
Full Address:
Full PDF Link:

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16 | **1 of 1** | **WNW/213.0** | **59.6 / 3.54** | **303 PINTAIL TERRACE, OTTAWA ON** | **INC**

Incident No: 1576866
Incident ID:
Attribute Category: FS-Perform L1 Incident Insp
Status Code:
Incident Location: 303 PINTAIL TERRACE, OTTAWA - CO RELEASE
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:
Pipeline Involved:
Pipe Material:
Depth Ground Cover:
Regulator Location:
Regulator Type:
Operation Pressure:
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: CO Release
Fuel Type Involved: Natural Gas

Date of Occurence:	2015/02/15 00:00:00
Time of Occurence:	21:29:00
Occur Insp Start Date:	2015/02/17 00:00:00
Any Health Impact:	No
Any Environmental Impact:	No
Was Service Interrupted:	Yes
Was Property Damaged:	No
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	5367915
Notes:	
Occurence Narrative:	CO leak from natural gas water heater down draft in vent
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

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17 | **1 of 1** | **ESE/224.2** | **77.8 / 21.73** | **lot 35 con 1 ON** | **WWIS**

Well ID:	1513197	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/18/1967
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	035
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10035185	**Elevation:**	76.043235
DP2BR:	4	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	460650.8
Code OB Desc:	Bedrock	**North83:**	5036722
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	8/22/1967	**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:	931022663
Layer:	1
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022664
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:	181
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10583755
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930062349
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	50
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930062350
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	181
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991513197
Pump Set At:	
Static Level:	40
Final Level After Pumping:	100
Recommended Pump Depth:	100
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	N

Water Details

Water ID:	933468699
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	181
Water Found Depth UOM:	ft

18 ***1 of 1*** ***ESE/230.0*** ***75.6 / 19.54*** ***lot 35 con 1 ON*** ***WWIS***

Well ID:	1513195	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/17/1965
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1802
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA-CARLETON
Elevation (m):		**Municipality:**	CUMBERLAND TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	035
Well Depth:		**Concession:**	01
Overburden/Bedrock:		**Concession Name:**	OF
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10035183	***Elevation:***	75.926658
DP2BR:	4	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	460670.8
Code OB Desc:	Bedrock	***North83:***	5036742
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	4/30/1965	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931022659
Layer:	1
Color:	
General Color:	
Mat1:	12
Most Common Material:	STONES
Mat2:	05
Other Materials:	CLAY
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931022660
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:	180
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10583753
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062345
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 53
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062346
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 180
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513195
Pump Set At:
Static Level: 30
Final Level After Pumping: 50
Recommended Pump Depth: 70
Pumping Rate: 18
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: 3
Pumping Duration MIN: 0
Flowing: N

Water Details

Water ID: 933468697
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 180
Water Found Depth UOM: ft

19	*1 of 1*	*SW/231.8*	*59.2 / 3.15*	***HYDRO ONE*** ***HYDRO ONE SITE NEAR 325 CENTRUM BLVD*** ***OTTAWA CITY ON K1E 3W8***	*SPL*

Ref No: 226797 ***Discharger Report:***

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

Site No:		**Material Group:**	
Incident Dt:	5/27/2002	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:	OTHER CONTAINER LEAK	**Sector Type:**	
Incident Event:		**Agency Involved:**	
Contaminant Code:		**Nearest Watercourse:**	
Contaminant Name:		**Site Address:**	
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:	POSSIBLE	**Site Municipality:**	20107
Nature of Impact:	Soil contamination	**Site Lot:**	
Receiving Medium:	LAND	**Site Conc:**	
Receiving Env:		**Northing:**	
MOE Response:		**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	5/27/2002	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	
Incident Reason:	UNKNOWN	**Source Type:**	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	HYDRO ONE: OLD DRUM ON UN-FENCED DECOMISSIONED SITE SPILLED UKN TO GROUN		
Contaminant Qty:			

20	1 of 2	E/238.0	72.8 / 16.74	3275 ST JOSEPH BLVD, ORLÉANS ON	INC

Incident No:	1798900
Incident ID:	
Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	
Incident Location:	3275 ST JOSEPH BLVD, ORLÉANS - EXPLOSION
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:	
Pipeline Involved:	
Pipe Material:	
Depth Ground Cover:	
Regulator Location:	
Regulator Type:	
Operation Pressure:	
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:	Explosion
Fuel Type Involved:	Natural Gas
Date of Occurence:	2016/01/31 00:00:00
Time of Occurence:	07:30:00
Occur Insp Start Date:	2016/02/01 00:00:00
Any Health Impact:	Yes
Any Environmental Impact:	No
Was Service Interrupted:	Yes
Was Property Damaged:	Yes
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	6033578
Notes:	
Occurence Narrative:	explosion and fire at townhouse
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

20 **2 of 2** **E/238.0** **72.8 / 16.74** **3275 St Josephs Blvd, Orleans Ottawa ON** **SPL**

Ref No:	7636-A6QK52	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2016/01/31	**Health/Env Conseq:**	
Year:		**Client Type:**	
Incident Cause:		**Sector Type:**	Unknown / N/A
Incident Event:	Fire/Explosion	**Agency Involved:**	
Contaminant Code:	35	**Nearest Watercourse:**	
Contaminant Name:	NATURAL GAS (METHANE)	**Site Address:**	3275 St Josephs Blvd, Orleans
Contaminant Limit 1:		**Site District Office:**	
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:		**Site Region:**	
Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2016/02/01	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Unknown / N/A	**Source Type:**	
Site Name:	Townhouse Explosion<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Townhouse Explosion -OFM Request for TSSA		
Contaminant Qty:	0 other - see incident description		

21 **1 of 1** **SSW/238.7** **68.5 / 12.39** **Place Beausejour 340 Centrum Blvd. Ottawa ON K1E 3W2** **GEN**

Generator No:	ON8218077	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	John Bettencourt
MHSW Facility:	No	**Phone No Admin:**	613-834-4456 Ext.
SIC Code:	814110		
SIC Description:	814110		

Detail(s)

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

Unplottable Summary

Total: 49 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CUMBERLAND TWP. - HIGHWAY 17	TRANS CANADA HWY 17	CUMBERLAND TWP. ON	
CA	CONSEIL SCOLAIRE DE LANGUE FRANCAISE	ST. JOSEPH BOULEVARD	CUMBERLAND TWP. ON	
CA	J. JOANNISSE - LOT 30/CONC. 1	ST.JOSEPH BLVD/STM-WATER MGT.	CUMBERLAND TWP. ON	
CA	Township of Cumberland	10TH LINE RD./S.W.M.	CUMBERLAND TWP. ON	
CA	CUMBERLAND TOWNSHIP	RR #34 (ST. JOSEPH BLVD.)	CUMBERLAND TWP. ON	
CA	CUMBERLAND TOWNSHIP	RR #34 (ST. JOSEPH BLVD.) SWM	CUMBERLAND TWP. ON	
CA	BUILDER DEVELOPMENT CORP.	ST. JOSEPH BLVD. APT. (SWM)	CUMBERLAND TWP. ON	
CA	TWP.	CENTRUM BLVD.	CUMBERLAND ON	
CA	DCR Phoenix Development Corporation Limited		Ottawa ON	
CA	1534436 Ontario Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited and the National Capital Commission		Ottawa ON	
CA	DCR Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	

CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	1534436 Ontario Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	PEREZ CORPORATION	CENTRUM BLVD.	CUMBERLAND TWP. ON	
CA	PEREZ CORPORATION	CENTRUM BLVD.	CUMBERLAND TWP. ON	
CA	CARLETON BOARD OF EDUCATION	BLOCK 312, 10TH LINE	CUMBERLAND TWP. ON	
ECA	DCR/Phoenix Development Corporation Limited		Ottawa ON	K2E 6T8
RST	MR GAS LTD	HWY 17 ARNPRIOR	OTTAWA ON	K0A 2H0
SPL	PAUL'S BACKHOE SERVICE	HWY 34 NORTH 5 - 5.5 MILES NORTH OF HWY 417 EAST 333 CHAMPLAIN ST., HAWKESBURY, ONT.	OTTAWA CITY ON	
SPL	ONTARIO HYDRO	HWY 17 EAST OF CUMBERLAND STA. (WEST LANE) MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TWP. ON	
SPL	UNKNOWN	10TH LINE ROAD	CUMBERLAND TOWNSHIP ON	
SPL	CONSUMERS GAS	HWY 17 NATURAL GAS PIPELINE	CUMBERLAND TWP. ON	
SPL	CRAWFORD TRANSPORT	ON HWY. 17 AT THE PLACE D'ORLEANS ABOUT 5 MI. EAST OF OTTAWA MOTOR VEHICLE (OPERATING FLUID)	OTTAWA-CARLETON R. M. ON	
SPL	TRANSPORT TRUCK	HWY 17 AT QUIGLEY HILL MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	ONTARIO HYDRO	HWY 17 AT QUIGLEY HILL TRANSFORMER	CUMBERLAND TOWNSHIP ON	
SPL	BEAVER ROAD BUILDERS LTD.	ST. JOSEPH BLVD. AT TAYLOR CREEK MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	CONTRACTOR	HIGHWAY 17 CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	TRANSPORT TRUCK	AT THE MR. GAS SERVICE STATION ON HWY. 17 AT TRIM RD. IN ORLEANS MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	City of Ottawa	Hwy 174 westbound	Ottawa ON	

SPL		Hwy 17 where crosses South Indian Creek (Limoges Casselman Construction Site) <UNOFFICIAL>	Ottawa ON
SPL	City of Ottawa	ON 10TH LINE NORTH AT ST. JOSEPH<UNOFFICIAL>	Ottawa ON
SPL	CONSTRUCTION SITE	MISSISSIPPI BRIDGE CONST. SITE, 300 M WEST OF HWY 17, 3.5 KM N OF ANTRIM (N.O. S.)	OTTAWA CITY ON
WWIS		lot 35	ON
WWIS		lot 36	ON
WWIS		lot 36	ON
WWIS		lot 36	ON
WWIS		lot 35	ON
WWIS		lot 35	ON
WWIS		lot 36	ON
WWIS		lot 35	ON

Unplottable Report

Site: ***CUMBERLAND TWP. - HIGHWAY 17***
TRANS CANADA HWY 17 CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-1281-90-
Application Year:	90
Issue Date:	7/17/1990
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CONSEIL SCOLAIRE DE LANGUE FRANCAISE***
ST. JOSEPH BOULEVARD CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-0596-91-
Application Year:	91
Issue Date:	5/17/1991
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***J. JOANNISSE - LOT 30/CONC.1***
ST.JOSEPH BLVD/STM-WATER MGT. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-0647-91-
Application Year:	91
Issue Date:	2/11/1992
Approval Type:	Municipal sewage
Status:	Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Township of Cumberland***
10TH LINE RD./S.W.M. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-1386-92-
Application Year:	92

Issue Date: 5/28/1993
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CUMBERLAND TOWNSHIP***
RR #34 (ST. JOSEPH BLVD.) CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1028-93-
Application Year: 93
Issue Date: 9/16/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CUMBERLAND TOWNSHIP***
RR #34 (ST. JOSEPH BLVD.) SWM CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1066-93-
Application Year: 93
Issue Date: 10/13/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***BUILDER DEVELOPMENT CORP.***
ST. JOSEPH BLVD. APT. (SWM) CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-0050-94-
Application Year: 94
Issue Date: 2/14/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***TWP.***
CENTRUM BLVD. CUMBERLAND ON

Database: ***CA***

Certificate #: 7-0110-85-007
Application Year: 85
Issue Date: 3/11/85
Approval Type: Municipal water
Status: Revised Ammendment
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 1405-7BQRFT
Application Year: 2008
Issue Date: 2/12/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***1534436 Ontario Limited***
Ottawa ON

Database: ***CA***

Certificate #: 0785-5WXK5X
Application Year: 2004
Issue Date: 3/12/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited and the National Capital Commission***
Ottawa ON

Database: ***CA***

Certificate #: 1108-64ENJ3
Application Year: 2004
Issue Date: 10/7/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: ***DCR Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 2387-7FJNVM
Application Year: 2008
Issue Date: 6/13/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 2423-8BKMY7
Application Year: 2010
Issue Date: 12/13/2010
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:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 2519-89BLNM
Application Year: 2010
Issue Date: 9/17/2010
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:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 3694-6EQPPV
Application Year: 2005
Issue Date: 8/8/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:

Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 4027-78FLST
Application Year: 2007
Issue Date: 10/30/2007
Approval Type: Municipal and Private Sewage Works
Status: Revoked and/or Replaced
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 4370-7WBQGD
Application Year: 2009
Issue Date: 10/2/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 5746-89AQZW
Application Year: 2010
Issue Date: 9/17/2010
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:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 6336-5ZSPY5

Application Year: 2004
Issue Date: 6/11/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 8716-69QKEM
Application Year: 2005
Issue Date: 2/18/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***1534436 Ontario Limited***
Ottawa ON

Database: ***CA***

Certificate #: 9820-5XLN8F
Application Year: 2004
Issue Date: 3/31/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON

Database: ***CA***

Certificate #: 7851-8CTN4K
Application Year: 2011
Issue Date: 1/7/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PEREZ CORPORATION***
CENTRUM BLVD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	7-1867-87-
Application Year:	87
Issue Date:	12/30/1987
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***PEREZ CORPORATION***
CENTRUM BLVD. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	3-2207-87-
Application Year:	87
Issue Date:	12/30/1987
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***CARLETON BOARD OF EDUCATION***
BLOCK 312, 10TH LINE CUMBERLAND TWP. ON

Database: ***CA***

Certificate #:	8-4077-91-
Application Year:	91
Issue Date:	7/12/1991
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	INST.3 CLEAVER-BROOKS BOILERS, 40KW GEN.
Contaminants:	Nitrogen Oxides, Sulphur Dioxide
Emission Control:	No Controls

Site: ***DCR/Phoenix Development Corporation Limited***
Ottawa ON K2E 6T8

Database: ***ECA***

Approval No:	2423-8BKMY7	***MOE District:***	
Approval Date:	2010-12-13	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:			
Full Address:			

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9905-8BAK88-14.pdf

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Site: ***MR GAS LTD***
HWY 17 ARNPRIOR OTTAWA ON K0A 2H0

Database: ***RST***

Headcode: 1186800
Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas
Phone: 6138322880
List Name:
Description:

Site: ***PAUL'S BACKHOE SERVICE***
HWY 34 NORTH 5 - 5.5 MILES NORTH OF HWY 417 EAST 333 CHAMPLAIN ST., HAWKESBURY, ONT. OTTAWA CITY ON

Database: ***SPL***

Ref No:	224046	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/15/2002	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	UNKNOWN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20107
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/15/2002	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PAUL'S BACKHOE SERVICE SPILL UNKNOWN VOL OF GAS & WATER, CONTAINED		
Contaminant Qty:			

Site: ***ONTARIO HYDRO***
HWY 17 EAST OF CUMBERLAND STA. (WEST LANE) MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TWP. ON

Database: ***SPL***

Ref No:	39231	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/14/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20601
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/14/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OVERSTRESS/OVERPRESSURE	***Source Type:***	

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ONTARIO HYDRO - 25 L HYDRAULIC OIL TO GROUND; BROKEN HOSE ON VEHICLE.
Contaminant Qty:

Site: ***UNKNOWN***
10TH LINE ROAD CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	101790	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/24/1994	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20601
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	ORLEANS WORKS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/24/1994	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: UNKNOWN SOURCE-PETROLEUM PRODUCT TO CATCHBASIN, VACTRUCK CALLED.
Contaminant Qty:

Site: ***CONSUMERS GAS***
HWY 17 NATURAL GAS PIPELINE CUMBERLAND TWP. ON

Database: ***SPL***

Ref No:	39641	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	8/23/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	PIPE/HOSE LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20601
Nature of Impact:	Human health	***Site Lot:***	
Receiving Medium:	AIR	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	8/23/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	DAMAGE BY MOVING EQUIPMENT	***Source Type:***	

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CONSUMERS GAS-PIPELINE RUPTURE.
Contaminant Qty:

Site: ***CRAWFORD TRANSPORT***

Database: ***SPL***

ON HWY. 17 AT THE PLACE D'ORLEANS ABOUT 5 MI. EAST OF OTTAWA MOTOR VEHICLE (OPERATING FLUID) OTTAWA-CARLETON R.M. ON

Ref No:	68430	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	3/26/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	CONTAINER OVERFLOW	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20000
Nature of Impact:	Other	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	MTO
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/26/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OTHER	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	P.P. CRAWFORD TRANSPORT - 450 L OF LIQUID TAR TO ROAD FROM TANK TRUCK.		
Contaminant Qty:			

Site: ***TRANSPORT TRUCK*** ***Database:*** ***SPL***
HWY 17 AT QUIGLEY HILL MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON

Ref No:	72101	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/15/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20601
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	FD, ONTARIO HYDRO ,MTO.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/15/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	M.V.A.-225 L HYDRAULIC OIL & 25 L DIESEL FUEL TOROAD/DITCH,CONTAINED.		
Contaminant Qty:			

Site: ***ONTARIO HYDRO*** ***Database:*** ***SPL***
HWY 17 AT QUIGLEY HILL TRANSFORMER CUMBERLAND TOWNSHIP ON

Ref No:	72102	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/15/1992	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	

Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20601
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	FD,PD.
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	6/15/1992	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO- 45 LITRES TRANSFORMER OIL 31 PPM PCB'S TO GRND, M.V.A.		
Contaminant Qty:			

Site: ***BEAVER ROAD BUILDERS LTD.***
ST. JOSEPH BLVD. AT TAYLOR CREEK MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	88497	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/14/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	TRUCK/TRAILER OVERTURN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20601
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/15/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ERROR	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	BEAVER ROAD BUILDERS LTD.- 70L DIESEL FUEL TO LANDFROM OVERTURNED TRUCK		
Contaminant Qty:			

Site: ***CONTRACTOR***
HIGHWAY 17 CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	91870	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	9/30/1993	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20601
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	

MOE Response:		***Easting:***	MTO
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	9/30/1993	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CONTRACTOR: 45 L HYDRAULIC OIL TO GROUND FROM PAVER		
Contaminant Qty:			

Site: ***TRANSPORT TRUCK***
AT THE MR. GAS SERVICE STATION ON HWY. 17 AT TRIM RD. IN ORLEANS MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	166790	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	4/20/1999	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20601
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	LAND / WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/20/1999	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	EQUIPMENT FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	MULTI MARQUES - 200 L OF DIESEL FUEL TO GROUND & SEWER FROM TRUCK.		
Contaminant Qty:			

Site: ***City of Ottawa***
Hwy 174 westbound Ottawa ON

Database: ***SPL***

Ref No:	1861-72DJ2M	***Discharger Report:***	
Site No:		***Material Group:***	Chemicals
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Other Discharges	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	27	***Nearest Watercourse:***	
Contaminant Name:	COOLANT (N.O.S.)	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	4/18/2007	***Site Map Datum:***	
Dt Document Closed:	5/3/2007	***SAC Action Class:***	
Incident Reason:	Spill	***Source Type:***	
Site Name:	OC Transpo vehicle, Hwy 174 westbound<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			

Incident Summary: OC Transpo: 15-20 L antifreeze to roadway
Contaminant Qty: 20 L

Site: ***Database:*** ***SPL***
Hwy 17 where crosses South Indian Creek (Limoges Casselman Construction Site)<UNOFFICIAL> Ottawa ON

Ref No:	6723-75LPCT	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Ottawa
Nature of Impact:	Surface Water Pollution	***Site Lot:***	
Receiving Medium:	Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/30/2007	***Site Map Datum:***	
Dt Document Closed:	8/30/2007	***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	Hwy 17 where crosses South Indian Creek		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Dufferin Construction: 0.5 L hyd. oil to South Indian Creek		
Contaminant Qty:	0.5 L		

Site: ***City of Ottawa*** ***Database:*** ***SPL***
ON 10TH LINE NORTH AT ST. JOSEPH<UNOFFICIAL> Ottawa ON

Ref No:	6543-5TFKC5	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:	11/19/2003	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:		***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	TRANSMISSION OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	Ottawa
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	Eastern
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:		***Site Lot:***	
Receiving Medium:	Land & Water	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/19/2003	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	ON 10TH LINE NORTH AT ST. JOSEPH<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo-45 L Hydraulic Oil to Road & CB.		
Contaminant Qty:	45 L		

Site: ***CONSTRUCTION SITE*** ***Database:*** ***SPL***
MISSISSIPPI BRIDGE CONST. SITE, 300 M WEST OF HWY 17, 3.5 KM N OF ANTRIM (N.O.S.) OTTAWA CITY ON

Ref No:	192858	***Discharger Report:***	

Site No:		***Material Group:***	
Incident Dt:	1/3/2001	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	CONTAINER OVERFLOW	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	20107
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	1/3/2001	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	UNKNOWN	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	DUFFERIN CONSTRUCTION- 40-60 L SILTY WATER OVER-FLOWED SILT FENCE,CONT'D.		
Contaminant Qty:			

Site:

lot 35 ON

Database:
WWIS

Well ID:	1520198	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	12/17/1985
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2351
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	035
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:	10042043	***Elevation:***	
DP2BR:	78	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/27/1985	***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: 931044037
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 11
Formation End Depth: 36
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044036
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 11
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044039
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 78
Formation End Depth: 88
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931044038
Layer: 3
Color: 8
General Color: BLACK
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 36
Formation End Depth: 78
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10590613
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930073381
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 78
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520198
Pump Set At:
Static Level: 35
Final Level After Pumping: 80
Recommended Pump Depth: 85
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: 934111428
Test Type: Draw Down
Test Duration: 15
Test Level: 48
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377248
Test Type: Draw Down
Test Duration: 30
Test Level: 53
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656002
Test Type: Draw Down
Test Duration: 45
Test Level: 64
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934904971
Test Type: Draw Down
Test Duration: 60
Test Level: 88
Test Level UOM: ft

Water Details

Water ID: 933477379
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 84
Water Found Depth UOM: ft

Site:
lot 36 ON

Database:
WWIS

Well ID: 1524807
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 67171
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: 9/7/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 036
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046554
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 8/23/1990
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931059166
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 6
Formation End Depth: 19
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059167
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 19
Formation End Depth: 54
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059168
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 54
Formation End Depth: 59
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931059165
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10595124
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081509
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 59
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524807
Pump Set At:
Static Level: 26
Final Level After Pumping: 47
Recommended Pump Depth: 54
Pumping Rate: 18
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 35
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934385399
Test Type: Draw Down
Test Duration: 30
Test Level: 46
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903554
Test Type: Draw Down
Test Duration: 60
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655178
Test Type: Draw Down
Test Duration: 45
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109990
Test Type: Draw Down
Test Duration: 15
Test Level: 39
Test Level UOM: ft

Water Details

Water ID: 933483563
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 59
Water Found Depth UOM: ft

Site:
lot 36 ON

Database:
WWIS

Well ID: 1525357
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 91536
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: 3/5/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 036
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047095
DP2BR: 65
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/30/1990
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931060888
Layer: 3
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2: 77
Other Materials: LOOSE
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060889
Layer: 4
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 65
Formation End Depth: 100
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060886
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 00
Other Materials: UNKNOWN TYPE
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060887
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 00
Other Materials: UNKNOWN TYPE
Mat3:
Other Materials:
Formation Top Depth: 12
Formation End Depth: 60
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111163
Layer: 1
Plug From: 8
Plug To: 71
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10595665
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082451
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 71
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082452
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 100
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525357
Pump Set At:
Static Level: 25
Final Level After Pumping: 65
Recommended Pump Depth:
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate:
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: 934387593
Test Type: Draw Down
Test Duration: 30
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112188
Test Type: Draw Down
Test Duration: 15
Test Level: 46
Test Level UOM: ft

Water Details

Water ID: 933484324
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 91
Water Found Depth UOM: ft

Water Details

Water ID: 933484323
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 79
Water Found Depth UOM: ft

Site:
lot 36 ON

Database: ***WWIS***

Well ID: 1525356
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Cooling And A/C
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 91535
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: 3/5/1991
Selected Flag: Yes
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 036
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047094
DP2BR: 64
Elevation:
Elevrc:

Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 11/26/1990
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931060885
Layer: 5
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 64
Formation End Depth: 77
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060882
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 00
Other Materials: UNKNOWN TYPE
Mat3:
Other Materials:
Formation Top Depth: 10
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931060884
Layer: 4
Color: 8
General Color: BLACK
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 60
Formation End Depth: 64
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931060881
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931060883
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	35
Formation End Depth:	60
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933111162
Layer:	1
Plug From:	8
Plug To:	66
Plug Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID:	10595664
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930082449
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	66
Casing Diameter:	6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082450
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 77
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525356
Pump Set At:
Static Level: 25
Final Level After Pumping: 40
Recommended Pump Depth: 70
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 20
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: 934112187
Test Type: Draw Down
Test Duration: 15
Test Level: 32
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387592
Test Type: Draw Down
Test Duration: 30
Test Level: 40
Test Level UOM: ft

Water Details

Water ID: 933484322
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74
Water Found Depth UOM: ft

Site:
lot 35 ON

Database:
WWIS

Well ID: 1533669
Construction Date:
Primary Water Use: Domestic
Data Entry Status:
Data Src: 1
Date Received: 4/14/2003

Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 221998
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Selected Flag: Yes
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 035
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10537503
DP2BR: 23
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 4/24/2001
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 932905481
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Other Materials: SAND
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932905483
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 23

Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932905482
Layer: 2
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Other Materials: SAND
Mat3: 79
Other Materials: PACKED
Formation Top Depth: 18
Formation End Depth: 23
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933236221
Layer: 1
Plug From: 0
Plug To: 44
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 11086073
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930097425
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 44
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991533669
Pump Set At:
Static Level: 32
Final Level After Pumping: 80
Recommended Pump Depth: 100
Pumping Rate: 30
Flowing Rate:

Recommended Pump Rate: 30
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: 934665347
Test Type: Draw Down
Test Duration: 45
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913474
Test Type: Draw Down
Test Duration: 60
Test Level: 80
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934121214
Test Type: Draw Down
Test Duration: 15
Test Level: 52
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934395650
Test Type: Draw Down
Test Duration: 30
Test Level: 74
Test Level UOM: ft

Water Details

Water ID: 934031005
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 136
Water Found Depth UOM: ft

Water Details

Water ID: 934031003
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 79
Water Found Depth UOM: ft

Water Details

Water ID: 934031004
Layer: 2

Kind Code:	5
Kind:	Not stated
Water Found Depth:	112
Water Found Depth UOM:	ft

Site:

lot 35 ON

Database: ***WWIS***

Well ID:	1531000	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/11/2000
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	206792	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	035
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:	10052534	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	o	***East83:***	
Code OB Desc:	Overburden	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	12/2/1999	***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:	931077210
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Other Materials:	SOFT
Mat3:	
Other Materials:	
Formation Top Depth:	6
Formation End Depth:	52
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931077211
Layer: 3
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 52
Formation End Depth: 65
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077209
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 28
Most Common Material: SAND
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933116177
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10601104
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091781
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 65
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991531000
Pump Set At:	
Static Level:	27
Final Level After Pumping:	35
Recommended Pump Depth:	60
Pumping Rate:	30
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:	934903894
Test Type:	Recovery
Test Duration:	60
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934120577
Test Type:	Recovery
Test Duration:	15
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934664715
Test Type:	Recovery
Test Duration:	45
Test Level:	35
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934395433
Test Type:	Recovery
Test Duration:	30
Test Level:	35
Test Level UOM:	ft

Water Details

Water ID:	933491322
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65
Water Found Depth UOM:	ft

Site:
lot 36 ON

Database:
WWIS

Well ID:	1530686	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/11/1999
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6006
Casing Material:		***Form Version:***	1
Audit No:	206737	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA-CARLETON
Elevation (m):		***Municipality:***	CUMBERLAND TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	036
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:	10052220	***Elevation:***	
DP2BR:	50	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	
Code OB Desc:	Bedrock	***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	6/25/1999	***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:	931076266
Layer:	4
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	13
Other Materials:	BOULDERS
Mat3:	85
Other Materials:	SOFT
Formation Top Depth:	42
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931076265
Layer:	3
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Other Materials:	SOFT

Mat3:
Other Materials:
Formation Top Depth: 13
Formation End Depth: 42
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076263
Layer: 1
Color: 7
General Color: RED
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076267
Layer: 5
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2: 80
Other Materials: POROUS
Mat3:
Other Materials:
Formation Top Depth: 50
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076264
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Other Materials: SOFT
Mat3:
Other Materials:
Formation Top Depth: 8
Formation End Depth: 13
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115828
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10600790
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091118
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 50
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091119
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991530686
Pump Set At:
Static Level: 22
Final Level After Pumping: 60
Recommended Pump Depth: 58
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934664170
Test Type: Recovery
Test Duration: 45
Test Level: 22
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934120031
Test Type: Recovery
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902788
Test Type: Recovery
Test Duration: 60
Test Level: 22
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385652
Test Type: Recovery
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Water Details

Water ID: 933490904
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 50
Water Found Depth UOM: ft

Site:
lot 35 ON

Database:
WWIS

Well ID: 1526515
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 116373
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: 9/2/1992
Selected Flag: Yes
Abandonment Rec:
Contractor: 2351
Form Version: 1
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: CUMBERLAND TOWNSHIP
Site Info:
Lot: 035
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048216
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:

Cluster Kind:
Date Completed: 7/14/1992
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931064392
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
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: 931064394
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 13
Other Materials: BOULDERS
Mat3:
Other Materials:
Formation Top Depth: 28
Formation End Depth: 69
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931064393
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Other Materials:
Mat3:
Other Materials:
Formation Top Depth: 7
Formation End Depth: 28
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111760
Layer: 1

Plug From: 4
Plug To: 22
Plug Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10596786
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930084425
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 69
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526515
Pump Set At:
Static Level: 27
Final Level After Pumping: 61
Recommended Pump Depth: 65
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 6
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: N

Draw Down & Recovery

Pump Test Detail ID: 934652042
Test Type: Draw Down
Test Duration: 45
Test Level: 61
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107892
Test Type: Draw Down
Test Duration: 15
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934391524
Test Type:	Draw Down
Test Duration:	30
Test Level:	58
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934909239
Test Type:	Draw Down
Test Duration:	60
Test Level:	61
Test Level UOM:	ft

Water Details

Water ID:	933485858
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	69
Water Found Depth UOM:	ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2019

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Jan 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 - Feb 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2019

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Feb 29, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Mar 31, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Feb 29, 2020

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Mar 31, 2020

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Jan 31, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Nov 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FED TANKS

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

Government Publication Date: May 31, 2018

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 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jan 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2017

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2019

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 29, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2019

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Feb 29, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: 1988 - Mar 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Feb 29, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2020

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jan 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Aug 2019

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Mar 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX D

ECOLOG ERIS AERIAL PHOTOGRAPH SEARCH RESULTS

ENVIRONMENTAL RISK INFORMATION SERVICES

HISTORICAL AERIALS

Project Property:	200041 - Landric Homes 280 Eric Czapnik Way Orléans ON K1E 3X8
Project No:	200041
Requested By:	LRL Associates Ltd.
Order No:	20200408040
Date Completed:	April 13, 2020

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

Decade	Year	Image Scale	Source
1920	Not Available		
1930	Not Available		
1940	1946	15000	NAPL
1950	1955	35000	NAPL
1960	1960	25000	NAPL
1980	1988	20000	NAPL

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using aerial photos listed in above sources. The maps contained in this report does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

0 0.125 0.25 0.5
Kilometers

Order Number: 20200408040

Year: 1946
Source: NAPL
Map Scale: 1: 10000
Comments:

ENVIRONMENTAL RISK INFORMATION SERVICES

0 0.125 0.25 0.5
Kilometers

Order Number: 20200408040

Year: 1955
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

0 0.125 0.25 0.5
Kilometers

Order Number: 20200408040

Year: 1960
Source: NAPL
Map Scale: 1: 10000
Comments:

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

0 0.125 0.25 0.5
Kilometers

Order Number: 20200408040

Year: 1988
Source: NAPL
Map Scale: 1: 10000
Comments:

ENVIRONMENTAL RISK INFORMATION SERVICES

APPENDIX E

AERIAL PHOTOGRAPHS

LRL
ENGINEERING | INGÉNIERIE
5430 Canotek Road I Ottawa, ON, K1J 9G2
www.lrl.ca I (613) 842-3434

PROJECT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
280 ERIC CZAPNIK WAY
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH - 1976
(NOT TO SCALE)
SOURCE: geoOttawa

CLIENT	DATE	PROJECT	
LANDRIC HOMES INC.	MAY 2020	200041	AP1

LRL
ENGINEERING | INGÉNIERIE
5430 Canotek Road I Ottawa, ON, K1J 9G2
www.lrl.ca I (613) 842-3434

PROJECT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
280 ERIC CZAPNIK WAY
OTTAWA, ONTARIO

DRAWING TITLE

AERIAL PHOTOGRAPH - 1991
(NOT TO SCALE)
SOURCE: geoOttawa

CLIENT	DATE	PROJECT	
LANDRIC HOMES INC.	MAY 2020	200041	AP2

LRJ
ENGINEERING | INGÉNIERIE
5430 Canotek Road I Ottawa, ON, K1J 9G2
www.lrl.ca I (613) 842-3434

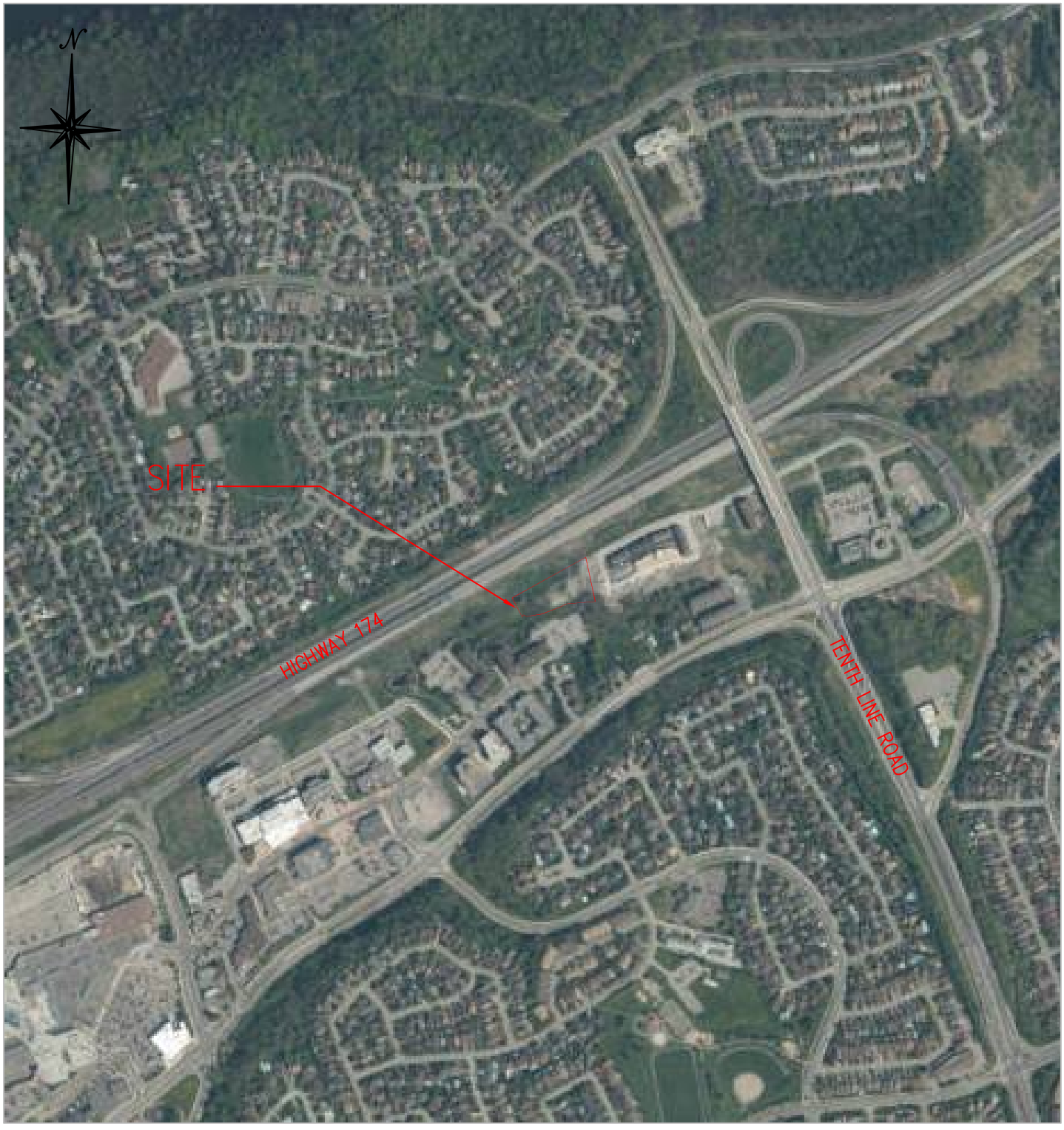
PROJECT

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
280 ERIC CZAPNIK WAY
OTTAWA, ONTARIO

DRAWING TITLE

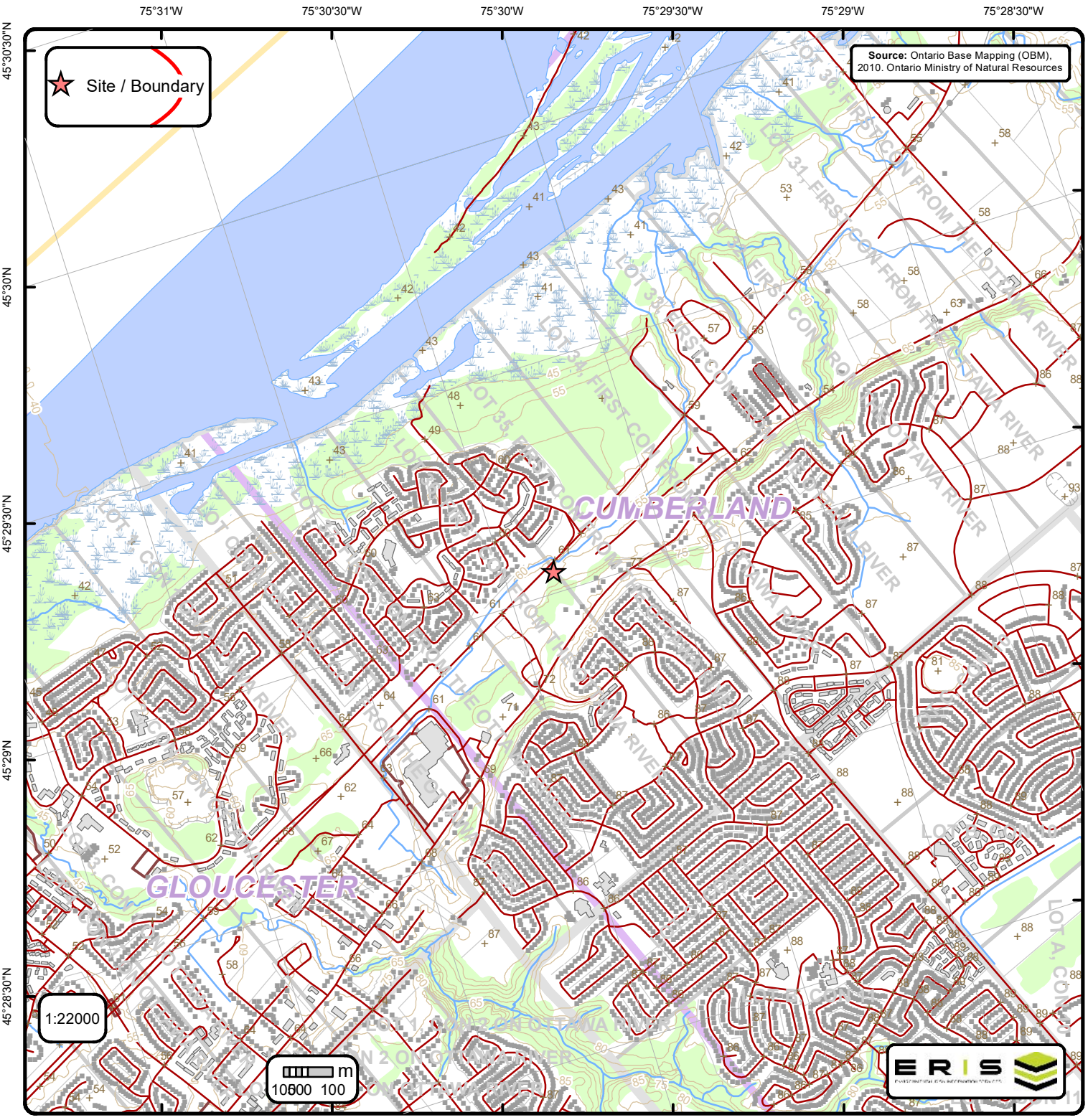
AERIAL PHOTOGRAPH - 2017
(NOT TO SCALE)
SOURCE: geoOttawa

CLIENT	DATE	PROJECT	
LANDRIC HOMES INC.	MAY 2020	200041	AP3



APPENDIX F

TOPOGRAPHIC MAP



Ontario Base Mapping (OBM) Data

Order No. 20200408040

Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads	Airports	Lots	National Park
Roads	Tanks	Municipalitiy	Nature Reserve
Trail	Building to Scale	Land Ownership	

APPENDIX G

SITE VISIT PHOTOGRAPHS

SITE VISIT PHOTOGRAPHS

Our File Ref.: 200041
Client: Landric Homes Inc.
Project: Phase I Environmental Site Assessment
Site Location: 280 Eric Czapnik Way, Ottawa, Ontario

Photograph No. 1 Date: 5/4/2020 Description General Site conditions from the northeast portion of the property facing west along the northern extent.	

Photograph No. 2 Date: 5/4/2020 Description From the north facing south along the eastern portion of the Site. Large fill mound present in background.	

Photograph No. 3	
Date: 5/4/2020	
Description General Site conditions at the northwest portion of the property, facing west.	

Photograph No. 4	
Date: 5/4/2020	
Description General Site conditions along the northern extent of the Site, from west facing east. The large fill mound is visible along the right limit of the photograph.	

Photograph No. 5	
Date: 5/4/2020	
Description Southwest portion of the Site facing south. Neighbouring high-density residential developments are visible in the background.	

Photograph No. 6	
Date: 5/4/2020	
Description Southwester portion of the Site facing east. Large fill mound is present in the background.	

Photograph No. 7	
Date: 5/4/2020	
Description Western extent of the large fill mound present across the majority of the Site.	

Photograph No. 8	
Date: 5/4/2020	
Description South-central base of fill mound. Evidence of concrete waste.	

Photograph No. 9	
Date: 5/4/2020	
Description Construction staging area at the eastern portion of the Site. Evidence of construction related materials including fencing components, drainage pipes and supplies packaging.	

Photograph No. 10	
Date: 5/4/2020	
Description Construction staging yard at the eastern portion of the Site. General material observed include modu-loc fencing, water and sanitary/storm sewer utility piping and components.	

Photograph No. 11	
Date: 5/4/2020	
Description Granular and traces of asphalt debris pile at the eastern portion of the Site.	

Photograph No. 12	
Date: 5/4/2020	
Description Cement, granular and traces of asphalt debris across the northeastern portion of the Site.	

Photograph No. 13	
Date: 5/4/2020	
Description High-density residential development to the east of the Site from the Site facing west along Eric Czapnik Way.	

Photograph No. 14	
Date: 5/4/2020	
Description Adjacent property to the west of the Site: vacant land followed by high density residential.	

Photograph No. 15	
Date: 5/4/2020	
Description Neighbouring land to the southwest of the Site: High-density residential.	

Photograph No. 16	
Date: 5/4/2020	
Description Bedrock outcrop along the southern extent of the wester portion of the Site.	

Photograph No. 17	
Date: 5/4/2020	
Description Central of Site facing north towards the Highway 174, and high-density residential development in the background.	

Photograph No. 18	
Date: 5/4/2020	
Description Adjacent property to the south of the Site: Multi-tenant residence and associated parking and circulation area.	

Photograph No. 19	
Date: 5/4/2020	
Description Adjacent property to the north of the eastern portion of the Site. Construction of Eric Czapnik Way extension, and evidence of historical land use in the background (agricultural silo).	

Photograph No. 20	
Date: 5/4/2020	
Description Construction activities to the southeast of the Site.	

APPENDIX H

TABLE 2 OF SCHEDULE D OF O. REG. 153/04

Ontario Regulation 153/04 – Schedule D
Summary of Potentially Contaminating Activities & Areas of Potential Environmental Concern

Acid and Alkali Manufacturing, Processing and Bulk Storage	Explosives and Firing Range	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
Adhesives and Resins Manufacturing, Processing and Bulk Storage	Fertilizer Manufacturing, Processing and Bulk Storage	Pharmaceutical Manufacturing and Processing
Airstrips and Hangars Operation	Fire Retardant Manufacturing, Processing and Bulk Storage	Plastics (including Fibreglass) Manufacturing and Processing
Antifreeze and De-icing Manufacturing and Bulk Storage	Fire Training	Port Activities, including Operation and Maintenance of Wharves and Docks
Asphalt and Bitumen Manufacturing	Flocculants Manufacturing, Processing and Bulk Storage	Pulp, Paper and Paperboard Manufacturing and Processing
Battery Manufacturing, Recycling and Bulk Storage	Foam and Expanded Foam Manufacturing and Processing	Rail Yards, Tracks and Spurs
Boat Manufacturing	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Rubber Manufacturing and Processing
Chemical Manufacturing, Processing and Bulk Storage	Gasoline and Associated Products Storage in Fixed Tanks	Salt Manufacturing, Processing and Bulk Storage
Coal Gasification	Glass Manufacturing	Salvage Yard, including automobile wrecking
Commercial Autobody Shops	Importation of Fill Material of Unknown Quality	Soap and Detergent Manufacturing, Processing and Bulk Storage
Commercial Trucking and Container Terminals	Ink Manufacturing, Processing and Bulk Storage	Solvent Manufacturing, Processing and Bulk Storage
Concrete, Cement and Lime Manufacturing	Iron and Steel Manufacturing and Processing	Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
Cosmetics Manufacturing, Processing and Bulk Storage	Metal Treatment, Coating, Plating and Finishing	Tannery
Crude Oil Refining, Processing and Bulk Storage	Metal Fabrication	Textile Manufacturing and Processing
Discharge of Brine related to oil and gas production	Mining, Smelting and Refining; Ore Processing; Tailings Storage	Transformer Manufacturing, Processing and Use
Drum and Barrel and Tank Reconditioning and Recycling	Oil Production	Treatment of Sewage equal to or greater than 10,000 litres per day
Dye Manufacturing, Processing and Bulk Storage	Operation of Dry Cleaning Equipment (where chemicals are used)	Vehicles and Associated Parts Manufacturing
Electricity Generation, Transformation and Power Stations	Ordnance Use	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
Electronic and Computer Equipment Manufacturing	Paints Manufacturing, Processing and Bulk Storage	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
Explosives and Ammunition Manufacturing, Production and Bulk Storage	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	