Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197
4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

3275 Rebecca Street, Oakville, ON L6L 6N5

Prepared by:

SLR Consulting (Canada) Ltd.

2301 St. Laurent Blvd., Suite 400, Ottawa, ON K1G 4J7

SLR Project No.: 216.030059.00001

Client Reference No: Suncor Outlet No. 35197, and SLR's Master Service Agreement (CW2269233)

April 29, 2024

Revision: 0

Making Sustainability Happen

Revision Record

Revision	Date	Prepared By	Checked By	Authorized By
0	April 29, 2024	Shabnam Salimi	Matt Williamson	Mike Grinnell

Statement of Limitations

This report has been prepared by SLR Consulting (Canada) Ltd. (SLR) for Suncor Energy Products Partnership (Client) in accordance with the scope of work and all other terms and conditions of the agreement between such parties. SLR acknowledges and agrees that the Client may provide this report to government agencies, interest holders, and/or Indigenous communities as part of project planning or regulatory approval processes. Copying or distribution of this report, in whole or in part, for any other purpose other than as aforementioned is not permitted without the prior written consent of SLR.

Any findings, conclusions, recommendations, or designs provided in this report are based on conditions and criteria that existed at the time work was completed and the assumptions and qualifications set forth herein.

This report may contain data or information provided by third party sources on which SLR is entitled to rely without verification and SLR does not warranty the accuracy of any such data or information.

Nothing in this report constitutes a legal opinion nor does SLR make any representation as to compliance with any laws, rules, regulations, or policies established by federal, provincial territorial, or local government bodies, other than as specifically set forth in this report. Revisions to legislative or regulatory standards referred to in this report may be expected over time and, as a result, modifications to the findings, conclusions, or recommendations may be necessary.

Executive Summary

SLR Consulting (Canada) Ltd. (SLR) was retained by the Suncor Energy Products Partnership (Suncor) to complete a Phase One Environmental Site Assessment (Phase One ESA) for the Petro Canada Gas Station and Car Wash (Suncor Outlet No. 35197), located at 4000 Riverside Drive in Ottawa, Ontario (herein referred to as the "Site", "Subject Property" or "Phase One Property"). The objective of the Phase One ESA is to identify, to the extent feasible pursuant to the scope of work detailed within this report, areas of potential environmental concern ("APECs") on-Site and as a result of potentially contaminating activities (PCAs) on the Phase One Property (On-Site) or within the Phase One Study Area (i.e., the area that includes the Phase One Property and any other property that is located, wholly or partly, within approximately 250 m from the nearest boundary of the Phase One Property) that may have had an adverse effect on the Site.

This Phase One ESA report has been prepared in general accordance with Ontario Regulation 153/04 of the Environmental Protection Act (EPA), as amended (O.Reg.153/04, as amended). It is our understanding that this Phase One ESA is required to support the submission of a site plan application with the City of Ottawa. Based on discussions with the Client, it is understood that the proposed future property use of the Site will remain unchanged and will incorporate an updated retail fuel outlet.

The Site consists of an irregular-shaped lot with an approximate area of 0.63 hectares (1.56 acres). Based on the available information it is likely the Site previously operated as a sand and gravel pit from the early 20th century until the late 1960s based on title records and aerial photographs. During the 1970s the site was largely vacant apart from access roads and a small building/structure. From the early-1980s to the late-1990s, the Site was associated with several commercial businesses until circa-2003 when the Site was developed as a Petro Canada Gas Station and Car wash. The Site currently remains a Petro Canda gas station comprised of four gasoline fuel pumps with dispensers located at the central portion of the Site. Each dispenser offers different types of fuel, such as regular unleaded or premium unleaded gasoline. Three (3) double-walled fiberglass Underground Storage Tanks (USTs), each with a capacity of 50,000 L, are present at the east portion of the Site. A building with no basement (Kiosk), occupied by a convenience store, is located at the central portion of the Site. A designated parking area is located in the vicinity of the fuel pumps and Kiosk at the central portion of the Site. A "touch-free" car wash was also located at the western portion of the Site along with an associated oil/water separator.

Based on the records review, interviews and site reconnaissance completed as part of this Phase One ESA, SLR presents the following pertinent findings:

- The Site has been occupied by a retail fuel facility (gas station/service station), since the mid-2000s. The service station is equipped with three gasoline USTs, four (4) pump islands and dispensers, a car wash and oil/water separator; and,
- Fill materials of unknown quality were likely imported to the Site for backfilling during construction of the service station in the early 2000s. The Site and its surroundings have also been historically used for aggregate extraction. As such fill materials of unknown quality were likely imported to the Site for backfilling of the Site during these historical operations.

Based on a review of the current and historical Site activities, surrounding properties, review of available records, and Site reconnaissance, SLR identified six APECs at the Subject Property as described below:

Area of Potential Environmental Concern (APEC)[1]	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (Onsite or Offsite)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater/ Soil/Sediment)
APEC 1	West and south portions of the Phase One Property - pump island and kiosk area	4 – Antifreeze and De-icing Manufacturing and Bulk Storage	On-site	Glycols	Soil, and groundwater
APEC 2	Pump island in North-central portion of Site	Not Defined "A"- Pump Island and Dispensers	On-site	PHCs; BTEX; PAHs (2 and 3 ringed) and select VOCs (n-hexane, MTBE).	Soil, and groundwater
APEC 3	Tank nest in the east centre portion of Site	28 - Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs; BTEX; PAHs (2 and 3 ringed) and select VOCs (n-hexane, MTBE).	Soil, and groundwater
APEC 4	Oil-water separator east-adjacent to car wash	Not Defined "B"- Oil-water separator	On-site	PHCs; BTEX; PAHs, Metals (including metal hydride forming); VOCs; Low and High pH and Glycols.	Soil, and groundwater
APEC 5	Car wash in the western portion of the Site	Not Defined "C"- car wash	On-site	PHCs; BTEX; PAHs, Metals (including metal hydride forming); VOCs; Low/High pH and Glycols.	Soil, and groundwater
APEC 6	Entire Phase One Property	30 - Importation of Fill Material of Unknown Quality	On-site	PHCs; BTEX; PAHs; Metals (including hydride forming, Hg, Cr VI, B-HWS); Electrical Conductivity, Low and High pH and SAR.	Soil, and groundwater

1 APECs means the area on, in or under the Phase One Property where one or more contaminants are potentially present, as determined through the Phase One ESA, including through:

(a) identification of past or present uses on, in or under the Phase One Property, and

(b) identification of PCAs.

Area of Potential Environmental Concern (APEC)[1]	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (Onsite or Offsite)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater/ Soil/Sediment)
2 PCA obtained from Column A of Table 2 of Schedule D of O. Reg. 153/04 (as amended), unless otherwise noted.					
3 Using the Method Groups as identified in the "Protocol for Analytical Methods Used in the Assessment of Properties under Park XV.1 of the Environmental Protection Act and Excess Soil Quality", published by the MECP and dated February 19, 2021 (The "Analytical Protocols") or based on industry best practices and quantity of potential contaminant used and stored (i.e., glycol is not listed in the Analytical Protocols)					
BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes; PHCs: Petroleum Hydrocarbons; PAHs: Polycyclic Aromatic Hydrocarbons; VOCs: Volatile Organic Compounds; Cr(VI): Hexavalent Chromium; B-HWS: Boron, Hot Water Soluble; Hg: Mercury; SAR: Sodium Adsorption Ratio; EC: Electrical Conductivity; MTBE: methyl ter-butyl ether and As, Sb, Se: Arsenic, Antimony, Selenium (hydride forming metals)					

SLR recommends that a Phase Two ESA be completed at the Site to investigate the APECS noted above as required by O.Reg.153/04 for all enhanced investigation properties. The Phase Two ESA should assess the environmental soil and groundwater conditions on the Phase One Property and determine the location and concentration (if any) of one or more of the contaminants of potential concern identified above.

This executive summary is intended to be read with the remainder of the report and is subject to the Statement of Limitations.

Table of Contents

Tables in Text

Appended Figures

Appendices

Acronyms and Abbreviations

As	Arsenic
ACMs	Asbestos-Containing Materials
APEC	Area of Potential Environmental Concern
AST	Aboveground Storage Tank
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
B-HWS	Boron, Hotwater Souble
the City	The City of Ottawa
COPCs	Chemicals of Potential Concern
Cr VI	Chromium Hexavalent
EC	Electrical Conductivity
ERIS	Environmental Risk Information Service
EPA	Environmental Protection Act
ESA	Environmental Site Assessment
FIP	Fire Insurance Plan
FOI	Freedom of Information
Hg	Mercury
HLUI	Historical Land Use Information
km	Kilometre
L	Litre
m	Metre
m^2	Square Metre
masl	Metres Above Sea Level
mm	Millimetre
MOE	Ministry of the Environment
MECP	Ontario Ministry of the Environment, Conservation, and Parks
MTBE	Methyl Tert Butyl Ether
NPCB	National Polychlorinated Biphenyl Inventory
NPRI	National Pollutant Release Inventory
ODS	Ozone Depleting Substance
OPCB	Ontario Inventory of Polychlorinated Biphenyl Storage Sites
O.Reg.	Ontario Regulation
ORPs	Other Regulated Parameters
PAH	Polycyclic Aromatic Hydrocarbons
PCA	Potential Contaminating Activity

As	Arsenic
PHC	Petroleum Hydrocarbon
PCB	Polychlorinated Biphenyl
RSC	Record of Site Condition
SAR	Sodium Absorption Ratio
Se	Selenium
Sb	Antimony
SLR	SLR Consulting (Canada) Ltd.
TSSA	Technical Standards and Safety Authority
UFFI	Urea Formaldehyde Foam Insulation
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

1.0 Introduction

SLR Consulting (Canada) Ltd. (SLR) was retained by the Suncor Energy Products Partnership (Suncor) to complete a Phase One Environmental Site Assessment (Phase One ESA) for the Petro Canada Gas Station and Car wash (Suncor Outlet No. 35197), located at 4000 Riverside Drive in Ottawa, Ontario (herein referred to as the "Site", "Subject Property" or "Phase One Property"). The Site is a leased portion of land and part of a larger property parcel (with a property identification number of 04589-1660 as detailed further below). The property parcel location, for which the Site is leased, and the Site location are provided in **Figure 1**.

The objective of the Phase One ESA is to identify, to the extent feasible pursuant to the scope of work detailed within this report, areas of potential environmental concern ("APECs") on-Site as a result of potentially contaminating activities (PCAs) on the Phase One Property (On-Site) or within the Phase One Study Area (i.e., the area that includes the Phase One Property and any other property that is located, wholly or partly, within approximately 250 m from the nearest boundary of the Phase One Property as discussed in **Section 3.1.1**) that may have had an adverse effect on the Site. It is our understanding that this Phase One ESA is required to support the submission of a site plan application with the City of Ottawa.

This Phase One ESA report has been prepared in general accordance with Ontario Regulation 153/04 of the Environmental Protection Act (EPA), as amended (O.Reg.153/04, as amended); and Schedule D, Table 1, "Mandatory Requirements for Phase One ESA Reports." As specified in Schedule D, Table 1, this Phase One ESA report has been prepared with the following section headings:

- Section 1 Introduction
- Section 2 Scope of Investigation
- Section 3 Records Review
- Section 4 Plan of Survey
- Section 5 Interviews
- Section 6 Site Reconnaissance
- Section 7 Review and Evaluation of Information
- Section 8 Conclusions
- Section 9 References

The report includes Figures and photographs which follow the text and **Appendices A to F** (Supporting Documentation, Freedom of Information (FOI), Environmental Risk Information Services Ltd. (ERIS) Database Report, Aerial Photographs, Plan of Survey and Photolog). The associated tables are provided within the body of the report.

1.1 Phase One Property Information

The Site is bounded by a vacant lot to the west followed by the Rideau River, to the north by vacant land and Hunt Club Road followed by a vacant land, to the south by a commercial property, and to the east by Riverside Drive followed by a commercial property (the Hunt Club Marketplace).

The adjacent properties to the south and west are associated with property parcel 04589-1660 for which the Site is leased. The Site location and a general site layout plan (current site plan) including facility features are presented in **Figure 1** and **Figure 2**, respectively.

Based on discussions with the Client, it is understood that the proposed future property use of the Phase One Property will be commercial, with redevelopment as a new retail fuel outlet. Based on the above, the applicable environmental regulations do not require filing of a record of site condition (RSC) with the Ontario Ministry of the Environment, Conservation and Parks (MECP) as the property use of the Site is not changing to more sensitive use.

The properties legal description and applicable lease are presented below in the following table:

Table 1: Phase One Property Information

Municipal Address	Common Reference	Property Identification Number (PIN)	Lease Agreement Number	Approximate Total Land Area	Legal Description
4000 Riverside Drive, Ottawa, Ontario	Petro Canada Gas Station and Car wash	04589-1660	OC339605 (Subject Lease Area shown in Plan of Survey, Appendix E)	0.63 hectares (1.56 acres)	PT LOT 6 CON 1, RF GLOUCESTER, PT LOT 6 CON 2, RF GLOUCESTER, PT RDAL BTN CONS 1 AND 2, RF GLOUCESTER, PARTS 1 TO 15 PLAN 5R12352 EXCEPT PART 1 PLAN 4R21932; OTTAWA. S/T GL39353

The client contact, site ownership and applicable property lease agreements are as follows:

Table 2: Additional Phase One Property Information

Information	Details/Description
Client	Suncor Energy Products Partnership
Contact Name of the Client	Kelly Klassen, B.Sc., CRM. (Specialist, Asset Management Advisor)
Contact Address of the Client	3275 Rebecca Street, Oakville, ON L6L 6N5
Phase One Property Owner(s)	His Majesty the King (the crown)
Subject Leases	Crown to Ottawa Macdonald-Cartier International Airport Authority (OMCIAA); OMCIAA sublease to First Capital (S.C.) Corporation (Lease Agreement Number: OC337594) and 4059930 Canada Inc. to Suncor Energy Inc (the sub-subtenant) (Lease Agreement Number: OC339605)

The Phase One Property location, surrounding land use and Site plan, including a depiction of the Phase One Study Area (as discussed in **Section 3.1.1**) is presented in **Figures 1 and 2**. A Plan of Survey is available for review in **Appendix E** detailing the lease agreement area (Subject Lease Area), also considered the Site for this Phase One ESA.

2.0 Scope of Investigation

This Phase One ESA was performed in general accordance with the requirements in Part VII and Schedule D – Phase One Environmental Site Assessments as stipulated under Ontario Regulation 153/04 Records of Site Condition, Part XV.1 of the Environmental Protection Act (EPA), last amended by O. Reg. 362/23 on November 29, 2023 ("O.Reg.153/04, as amended").

The objective of the Phase One ESA is to identify, to the extent feasible pursuant to the scope of work detailed within this report, areas of potential environmental concern ("APECs") on-Site as a result of potentially contaminating activities (PCAs) on the Phase One Property (On-Site) or within the Phase One Study Area (stated above in Section 2.0) that may have had an adverse effect on the Site.

As detailed in section 18 of Schedule D of O.Reg.153/04 (as amended), the specific objectives of a Phase One ESA report are:

- To document the presence or absence of APECs;
- To provide a record of a Phase One ESA of a Phase One Property (the Site) that clearly demonstrates in a way that can be assessed, tested and reconstructed, how the Phase One ESA was carried out, to document:
    - how the general and specific objectives of a Phase One ESA were achieved and how each of the minimum requirements for such objectives were met;
    - whether further investigation is required in order to submit a record of site condition (RSC) for filing;
    - that there exists an adequate basis for any further investigation that may be needed; and,
    - that there is a basis for any required certifications.

This Phase One ESA was conducted in general accordance with O.Reg.153/04, as amended by the Environmental Protection Act. It is our understanding that this Phase One ESA is required to support the submission of a site plan application with the City of Ottawa.

The Phase One ESA is intended to identify and reduce, but not eliminate, uncertainty regarding the potential for contamination at a Site. A Phase Two ESA, consisting of testing of soil, groundwater and other media would be required to further reduce the uncertainty of contamination on Site.

The scope of work for this Phase One ESA consists of the following:

- Where readily available, a historical records review that included but was not limited to the following information for the Site and surrounding properties:
    - Historical aerial photographs (one approximately every 10 years);
    - Property use based on city telephone directories (as contracted through ERIS);
    - Site maps and other plans (i.e. Fire Insurance Plans (FIPs)) obtained by SLR or provided by the City;
    - Site Operating Documents/Records such as building plans, environmental monitoring data, previous environmental reports, waste management records, etc. (to be provided by the Client if available);

  - A review of a historical title search for the Site (back to at least the date of the first developed use of the Phase One Property);
  - Surficial and bedrock geological maps;
  - Topographical maps/references;
  - Flood mapping and Municipal Areas of Natural Significance;
  - Ontario Ministry of Environment, Conservation and Parks (MECP) Make a Natural Heritage Area Map;
  - Access Environment Mapping for Records of Site Condition (RSC);
  - Historical Coal Gasification location records;
  - Open and closed landfill records in Ontario;
  - Water well records and groundwater protection zone mapping;
  - Various Federal, Provincial, Municipal (City of Ottawa Historic Land Use Inventory – HLUI) and Private Source Databases (as contracted through ERIS); and,
  - Information from regulatory agencies (i.e., Ontario Ministry of Environment, Conservation and Parks (MECP), Technical Standards and Safety Authority (TSSA), etc.), which may include permits that pertain to environmental conditions, fuel storage tanks, past prosecutions, work orders, control orders or complaints related to environmental compliance, and past violations of environmental statutes, regulations, by-laws, approvals, and permits.
- Interviews with persons having knowledge of and familiar with the Site (off-Site interviews with individual residential property owners were not necessary);
- A Site reconnaissance was conducted following the review of historical records that focused on the following:
  - Underground or aboveground storage tanks and supply lines;
  - Hazardous material and waste storage or disposal areas;
  - Discoloured or unusual surface conditions (e.g., staining, depressions, mounds);
  - Potential signs of distressed vegetation;
  - Potentially sensitive habitats;
  - Surface water features (e.g., streams, ditches, ponds);
  - Electrical transformers; and,
  - Evidence of chemical spills.
- Preparation of this report.

The above noted resources were consulted up to the maximum extent of the Phase One Study Area (as discussed in **Section 3.1.1**).

Based on the available information for the Site, the Site has been used as a retail fuel dispensing facility, and therefore is an enhanced investigation property. It is understood that the intended future property use will be commercial as defined under O.Reg.153/04, as amended, and therefore current environmental regulation do not require the filing of an RSC with the MECP as the proposed future property use will not be a more sensitive property use.

The conclusions presented in this report are professional opinions based on data described herein, subject to the Statement of Limitations of this report.

3.0 Records Review

3.1 General

A historical records review was completed to identify PCAs in the Phase One Study Area from prior use of the Site and surrounding properties and associated APECs on the Phase One Property.

The findings of the historical records review are presented in the following sections.

3.1.1 Phase One ESA Study Area Determination

The Phase One Study Area consisted of the Phase One Property and surrounding properties located, wholly or partly, within a radius of approximately 250 m from the nearest point on the Phase One Property boundary. The Phase One Study Area was noted to include the following adjacent and surrounding properties to the Site at the time of the site visit:

North – The property is bounded to the north by Hunt Club Road followed by a vacant lot;

East – The property is bounded to the east by Riverside Drive followed by the Hunt Club Marketplace;

West – The property is bounded to the west by a vacant lot followed by the Rideau River; and,

South – The property is bounded to the south by a commercial property (St. Hubert's restaurant).

SLR has determined that the extents of the Phase One Study Area (250 m from the nearest point on the Phase One Property boundary) is adequate for this Phase One ESA as the assessment did not identify properties with known environmental impact or large industrial properties with a high potential to impact the Site from a distance greater than 250 m. It is our opinion that other properties beyond the Phase One Study Area would not result in APECs on the Phase One Property.

A Site Location and Surrounding Land Use Plan including the Phase One Study Area is illustrated in appended **Figure 1**.

3.1.2 First Developed Use Determination

Based on a review of the available title records the property was owned by the crown in 1802. Between 1802 and 1903 the property was owned by private landowners until being purchased by The Silicate Brick Company of Ottawa Ltd. in 1903. The property then changed hands again in 1924 where it was purchased by a private owner until it was divested to the crown in 1945. Based on the available aerial photographs and title search the property was likely first developed in the early 20th century. According to the City of Ottawa Historic Land Use Inventory (HLUI), the Site and adjacent properties to the north, south and west were occupied by a sand and gravel pit from 1912 to 1967. The above is the earliest record of a potentially contaminating activity on the Site. As such, the presumed first developed use would be industrial in 1912.

3.1.3 Chain of Title

The current title search was conducted for the period between 1942 and 2024. The earliest records for property parcel identified as PIN 04589-1660 (which includes the Site) was owned by His Majesty the King with no additional changes noted.

A historical chain of title search, back beyond the date of the first developed use of the property parcel (which included the Site), was completed by ERIS. A summary of the pertinent findings in the chain of title and title records for the property parcel, inclusive of the Phase One Property, is provided in the following table:

Table 3: Summary of Chain of Title

Name(s) of the Owner(s)	Date(s) of Ownership
The Crown	Prior to May 17, 1802
William Fraser	May 17, 1802
Terrance Ronalds	August 09, 1864
Patrick Collins	January 18, 1876
The Silicate Brick Company of Ottawa Ltd.	April 20, 1903
Charles Holbrook	January 05, 1924
James Holbrook & Charles A. Holbrook	February 05, 1925
His Majesty the King	January 26, 1942
Winka Holbrook & Alan Holbrook	September 22, 1942
His Majesty the King in Right of Canada	January 19, 1945

A copy of the chain of title (which includes all other individual owners not listed above), parcel registry and a Property Index Map reviewed as part of this Phase One ESA is included in **Appendix A**.

Of note the property parcel identified as PIN 04589-1660, was leased from her Majesty the Queen represented by the Minister of Transportation in 1997 to the Ottawa MacDonald-Cartier International Airport Authority (OMCIAA), as documented by regulation number N752404. In 2004, OMCIAA then subleased the property to 4059930 Canada Inc. (currently First Capital (S.C.) Corporation), who then leased the property to Petro-Canada (currently Suncor Energy Products Partnership, formerly Suncor Energy Inc.). The Subject Lease Area pertaining to Suncor Energy and First Capital is defined by instrument number OC337594 and is considered the boundaries of the Site. It should be noted that part of the original Subject Lease Area was expropriated by the City of Ottawa in 2007 as documented the title for PIN:04589-1659 (OC800683).

3.1.4 Environmental Reports

The following environmental reports for the Site were provided by the Client for SLR to review:

- "*Phase I-II Environmental Site Assessment, Riverside Drive at Hunt Club Road, Ottawa, Ontario" report,* prepared by John D. Paterson and Associates Limited for 4059930 Canada Inc. c/o Novatech Engineering Consultants Limited., dated May 13, 2002;
- "*Preliminary Geotechnical Investigation, Riverside Drive at Hunt Club Road, Ottawa, Ontario" report,* prepared by John D. Paterson and Associates Limited for 4059930 Canada Inc. c/o Novatech Engineering Consultants Limited., dated May 24, 2002;
- *Geotechnical Investigation, 4000 Riverside Drive, Ottawa, Ontario" report,* prepared by Jacques, Whitford and Associates Limited for Petro Canada, dated March 28, 2003; and,
- "*Environmental Subsurface Investigation, 4000 Riverside Drive, Ottawa, Ontario" report,* prepared by Jacques, Whitford Environment Limited for Petro Canada, dated December 12, 2003.

While SLR has reviewed the above-noted reports, only data, analysis and findings relevant to the Phase One ESA have been reproduced here.

2002 John D. Paterson and Associates Ltd. Phase I-II Environmental Site Assessment:

In 2002, John D. Paterson and Associates Limited was retained by Novatech Engineering Consultants Limited to conduct a Phase I ESA and Phase II ESA of the Subject Property. The report included a review of the property and background information, regulatory information and correspondence, and a site visit completed on April 30, 2002.

At the time of the site visit, the Site was an undeveloped vacant lot with relatively flat land and grass covered. A portion of the Site was vacant and had a recycled asphalt roadway along the north and west sides of the property. The western portion of the Site generally sloped downward towards the gravel pit to the south and the Rideau River to the west of the Site. The area adjacent to the Hunt Club Road and the Riverside Drive intersection was relatively flat and contained some granular fill on the ground surface. Several sewer manholes were present on the property.

John D. Paterson and Associates Ltd. contacted the TSSA and there were no underground storage tanks recorded in the TSSA registry for the Subject Property at that time. Additionally, based on the available information, there appears to be no evidence of abandoned waste disposal sites within the vicinity of the Site.

There were no above-ground or underground fuel storage tanks observed on the Subject Property at the time of the investigation. There was no evidence of vent or fill pipes indicating the possibility of underground storage tanks. There were no hazardous chemicals, spills or stains observed at the time of the investigation. There was no waste being generated on the site. No signs of former building foundations were observed during the fieldwork.

The site inspection and historical review of land uses for the area did not identify any significant past or present areas of environmental concern.

The subsurface investigation was conducted on April 16th, 2002. A Phase II ESA was conducted to address any potential environmental impact on the Subject Property in the area of future development. A total of seven (7) boreholes were placed throughout the Subject Property.

During the fieldwork, olfactory and visual observations indicated no evidence of impacted soil in any of the boreholes. Three samples were submitted for total petroleum hydrocarbons (TPH; gas diesel and heavy oils) with a fourth sample submitted for metal analyses. Of the samples selected for analytical testing, none of the test results failed to meet the MOE guidelines applicable to the Site at that time. A cursory review of the data based on current standards, noted not exceedances for BTEX or metals. Though no comparable standards are available for TPH (gas/diesel or heavy oil), minor detections were noted in soil at the time of the sampling at BH1 SS1.

2002 John D. Paterson and Associates Ltd. Preliminary Geotechnical Investigation:

In 2002, John D. Paterson and Associates Limited was retained by Novatech Engineering Consultants Limited to conduct a Preliminary Geotechnical Investigation of the Subject Property and the property to the east of the Site. The purpose of the preliminary investigation was to determine the general soil and groundwater conditions of the Subject Property in order to provide preliminary geotechnical recommendations for the design of the proposed development.

The fieldwork for the geotechnical investigation was conducted on April 16 and 17, 2002, and consisted of advancing six boreholes to a maximum depth of 15.2 m. Standpipe piezometers were installed in all boreholes at the time of the fieldwork. Groundwater level measurements were taken on April 22, 2002. At that time, all six boreholes were dry.

The eastern parcel of land was vacant, flat and approximately at grade with Hunt Club Road and Riverside Drive. It was grass-covered and generally free of trees and shrubs. An asphalt roadway was present along its north and west limits. The western parcel of land was vacant and had a relatively flat surface in its northeastern quadrant, which sloped relatively steeply towards the river to the west and towards an existing sand borrow area to the southwest. This parcel of land was generally sparsely treed with cleared, gravel-covered areas. A sewer crossed the western parcel of land from the northeast corner toward the pond located southwest of the property. Another sewer branched out from the previous sewer at the northeast corner of the parcel of land towards the south side of Hunt Club Road.

The subsoil conditions on the Subject Property consisted of a layer of fill. The fill encountered on the western parcel extended to depths of 0.6 and 1.5 m below grade at boreholes denoted as BH 5 and BH 6B, respectively. It generally consisted of a mixture of silty sand, gravel and crushed stone. At BH 4, on the eastern parcel of land, a layer of potential fill, comprised of silty fine sand with organic matter extending to a depth of 0.6 m was encountered between the topsoil and sand. Below the topsoil or fill, sand was encountered to 15.24 mbgs, the maximum depth of the investigation.

2003 Jacques, Whitford and Associates Ltd. Geotechnical Investigation:

In 2003, Jacques, Whitford and Associates Limited (JWA) was retained by Petro-Canada to complete a geotechnical investigation for the proposed Petro-Canada facility to be located at 4000 Riverside Drive in Ottawa, Ontario. The proposed development at the time was to consist of a single storey gas bar, a pump island and associated canopy, a car wash, underground storage tanks, and signposts.

The field work for this investigation was carried out on March 5 and 6, 2003. A total of twelve Boreholes (BH03-1 to BH03-12) were advanced. Soil samples from the boreholes were recovered at regular intervals using a 50 mm O.D. split-tube sampler by conducting Standard Penetration Tests (SPT) in accordance with the procedures outlined in ASTM Specifications D 1586-84. A standpipe was installed in Borehole BH03-12 to provide access for monitoring the groundwater table subsequent to the completion of the investigation.

The boreholes were backfilled with auger cuttings. The groundwater level was measured in the standpipe on March 13, 2003 and was dry. One representative soil sample was submitted to Paracel Laboratories for analysis of pH, resistivity and soluble sulphate concentration. The testing was conducted to assess the conditions associated with the potential for degradation of concrete in the presence of sulphates, and the potential for corrosion of exposed steel used in foundations or buried infrastructure.

At the time of investigation, the ground surface was snow-covered. Generally, the ground surface was covered with grass, with little to no brush and one large tree was observed on the Site. A steel fence was observed along the western boundary of the site. An existing advertising signpost was located at the northwest corner of the site. An existing stormwater sewer line traversed the Site. The Site was relatively flat with a slope toward the west. Fill material was encountered at BH03-7 and BH03-10. The fill consists of sand with some gravel and organics to silty sand with some clay and trace organics. The fill extended from approximately 0.300 mto 0.6 m below the surface. All boreholes reached their planned termination depth of 1.5 m to 25 m within the overburden. Bedrock was not encountered. The groundwater level in the standpipe installed within BH03-12 was measured on March 13, 2003, and no groundwater was observed.

The frost penetration depth at this Site was reported at 1.8 m. It was recommended that the excavation for the planned USTs be extended an additional 100 mm below the underside of the future USTs and that a concrete mud slab be placed on the exposed surface to provide a base for the concrete collars. Based on the groundwater levels measured in the open boreholes and in the monitoring wells, it was anticipated that little to no groundwater seepage would be encountered in the tank excavation. It was anticipated that groundwater seepage could be controlled by sump and pumping methods.

2003 Jacques, Whitford and Associates Ltd. Subsurface Investigation:

In 2003, Jacques, Whitford and Associates Limited (JWA) was retained by Petro-Canada to complete a subsurface investigation for the proposed Petro-Canada facility to be located at 4000 Riverside Drive in Ottawa, Ontario.

At the time of the drilling program, the investigated area was predominantly covered with vegetation and trees. The site was predominantly flat with steep slopes to the east and south towards the Rideau River.

According to the City of Ottawa, potable water for the area was supplied via a municipal distribution system that obtains its water from the Ottawa River.

A generic criteria selection (GCS) was conducted for the Subject Property by Jacques Whitford Environment Limited (JWEL) in accordance with the Ontario Ministry of Environment's (MOE's) Guideline for Use at Contaminated Sites in Ontario, dated February 1997, as amended.

The encountered soil profile, with increasing depth, generally consisted of topsoil ranging to depths from approximately 0.1 m to 0.6 m below grade (mbg). Fill material was encountered at BH03-7 and BH03-10 at depths of approximately 0.3 mbg to 0.6 mbg consisting of sand with some gravel and organics to silty sand with some clay and trace organics. Below the fill or topsoil, sand or sand with some silt was encountered to 23 metres. Below this sand was a 1.7 metre silty clay layer from 22.8 to 24.5 metres, followed again by sand with some silt to 25 metres, the maximum depth of the investigation.

Groundwater was not encountered during the drilling of the boreholes. No groundwater monitoring wells were installed further to instructions by Petro-Canada.

The groundwater level in the standpipe installed within BH03-12 was measured on March 13, 2003, no groundwater was observed.

Soil samples of the overburden were submitted as follows based on instructions provided by Petro-Canada:

- Concentrations of BTEX and TPH (gas/diesel and heavy oil) were below the MOE Table B criteria in each of the submitted soil samples. Based on current standards for BTEX in soil (assumed Table 3 Site Condition Standards), no exceedances were noted. Although TPH concentrations are not directly comparable to the current standards, it should be noted that no detections of TPH (gas/diesel or heavy oil) were observed at the time of sampling.
- Concentrations of selected metal parameters were below the MOE Table B criteria in each of the submitted soil samples. Based on current standards an exceedance for lead was noted at BH03-6-GS1 between 0-0.6 metres. The remaining samples were below standards.
- Concentrations of PAHs, PCBs, organochlorine pesticides, and altrazine herbicides were below the MOE Table B criteria in each of the submitted soil samples. Based on current standards, no exceedances were noted.
- Based on the results of the submitted soil sample, the soil would be classified as a non-hazardous solid material.

3.2 Environmental Source Information

The following agencies/companies were contacted related to information for the Site and Phase One Study Area:

- MECP;
- City of Ottawa;
- TSSA; and,
- ERIS.

The following sections discuss the results of the database searches, supplied by the agencies/companies above which are included in **Appendix A** and **Appendix B**. The ERIS database report is provided in **Appendix C**.

3.2.1 City Directories

City directories were obtained from ERIS and reviewed by SLR. The city directory information source was the Vernon, Polk, Might, and Digital Business Directory, and occupant details for the Site and surrounding properties within the Phase One Study Area was provided by ERIS in approximately 4 to 6-year intervals between 1960 and 2021.

No listings were found for the Subject Property from 1960 to 1976. In 1981-1982, city directories show that the Site may have associated with two commercial businesses which include the Tudor Hall and Pineland Go Kart and Mini Golf. In 1993/1994, the property was associated with Driscoll Snow removal followed by Digital Electric in 2006-2007, 2012 and 2017. Petro-Canada was also listed for 2012, 2017 and 2021. Given, the known Site history the records pertaining to Digital Electric as considered to be a misclassification.

City directories have been listed from 1993 onwards for the adjacent properties. Commercial properties are listed on Hunt Club Road starting in 2000 and expand to surrounding streets in subsequent years.

From 1993-1994 to 2021, various properties within the 250 m buffer were listed as residential/commercial use. The names and addresses of businesses that may be associated with potentially contaminating activities are provided in the below table.

Table 4: City Directory Listings of Environmental Interest

Year	Address	Property Listing
2000	220 Hunt Club Road	Canadian Airmotive LTD Ottawa Aviation Services
2006-2007	220 Hunt Club Road	Canadian Airmotive Avonics LTD Canadian Airmotive LTD Ottawa Aviation Services
	2162 Prince of Wales Drive	Esso Prince of Wales
2012	1 Hunt Club Road	Ottawa Hunt & Golf Club Ltd.
	220 Hunt Club Road	Canadian Airmotive Avonics
	80 Hunt Club Road	Elite Cleaners-Ottawa
	1000 Airport Parkway Private	Hillary Cleaners Ottawa International Airport
	4000 Riverside Drive	Petro-Canada
	2162 Prince of Wales Drive	Esso Prince of Wales
2017	1 Hunt Club Road	Ottawa Hunt & Golf Club Ltd.
	1000 Airport Parkway Private	Hillary Cleaners Ottawa International Airport
	4000 Riverside Drive	Petro Canada
	2162 Prince of Wales Drive	Esso Prince of Wales
2021	1 Hunt Club Road	Ottawa Hunt Golf Club Ltd.
	1000 Airport Parkway Private	Ottawa International Airport
	4000 Riverside Drive	Petro-Canada
	2162 Prince of Wales Drive	Esso Prince of Wales

Several records were identified to be beyond the Phase One Study Area (80 Hunt Club Road, 220 Hunt Club Road, 1000 Airport Parkway Private, and 2162 Prince of Wales Drive) and therefore any activities associated with these addresses are not considered PCAs. The remaining records for 4000 Riverside Drive and 1 Hunt Club Road were considered to be of potential environmental concern as shown above in **Table 4**.

The results of the city directories search are provided in **Appendix A**.

3.2.2 Fire Insurance Plans

A search for FIPs was conducted as part of this Phase One ESA through ERIS and by searching the online library of fire insurance maps from Library and Archives Canada. No FIPs were found for the Site and the surrounding properties.

The results of the FIP search are provided in **Appendix A**.

3.2.3 Insurance Reports

A search for Property Underwriters' Reports and Property Underwriters' Site Plans for the Site, was conducted as part of this Phase One ESA through ERIS. No records were found for the Site.

The results of this search are provided in **Appendix A**.

3.2.4 Ontario Ministry of the Environment, Conservation and Parks

SLR contacted the MECP for information regarding the Site under the Freedom of Information (FOI) and Protection of Privacy Act on February 22, 2024. A response from the MECP was received on March 19, 2024, in response to the FOI request and is summarized below.

The records are mainly associated with the industrial sewage works and municipal and private water works.

On June 6, 2003, a certificate of approval was issued for industrial sewage works for approval of stormwater management system to serve a proposed gas bar located at 4000 Riverside Drive, collecting up to 100-year storm event runoff from an area of 1.19 ha consisting of the following:

- 150 mm and 300 mm diameter storm sewers, catchbasins and catchbasin manholes, discharging to a control catchbasin manhole (CBMH 3);
- One (1) control catchbasin manhole (CBMH 3) complete with a 165 mm diameter orifice plate allowing a maximum discharge of 94.5 L/s (5-year storm event) to a stormwater interceptor;
- One (1) stormwater interceptor having a sediment capacity of 2,460 L, an oil capacity of 915 L and a total capacity of 4,325 L, discharging via a 300 mm diameter storm sewer to an existing 1350 mm diameter storm sewer located on Easement that runs diagonally through the site leading to an existing stormwater management facility located in the southwest portion of the site;
- Roof-top storage on two (2) buildings, having a total available storage volume of approximately 3.0 m^3, equipped with four (4) roof drains with inlet controls allowing a maximum discharge from each building of 1.7 L/s (5-year storm event) to the proposed storm sewer system;
- Surface storage located in the northeast corner of the property, having a total available storage volume of approx. 73.7 m^3, discharging to the proposed sewer system;

An industrial sewage inspection report conducted on the Hunt Club – Rideau Bridge (east approach) stormwater facility located at the corner of Hunt Club Road and Riverside Drive on December 16, 2011, indicated that the facility includes a retention pond consisting of an infiltration base with an underground stone subdrain system and a flow control structure.

The inspection was conducted to assess the compliance of the industrial sewage works with Ontario's environmental regulations and standards.

The facility was inspected for its wastewater treatment processes, discharge procedures, and overall adherence to environmental protection measures. The effluent and receiver type were storm and surface water respectively, and the receiver was the Rideau River approved under the certificate of approval number 3-1903-89-006 first issued in 1989 and amended in 1996.

The facility complied with its limits and met the sampling and reporting requirements. There wasn't any reported spill since the last inspection and no actions were required at the time of issuing the report.

An amended ECA was issued on March 27, 2013, for approval of existing sewage works for the collection, transmission, treatment and disposal of stormwater runoff from a catchment area of approximately 44 ha, discharging into the Rideau River with deleting the sampling and reporting conditions in the existing approval.

On March 28, 2003, a certificate of approval was issued for municipal and private water works for approval of watermain to be constructed in the City of Ottawa on Riverside Drive, all in accordance with the application from 4059930 Canada Inc., dated January 27, 2003, including final plans and specifications prepared by Novatech Engineering Consultants Ltd.

A copy of the FOI request and decision letter are included in **Appendix B**.

3.2.5 City of Ottawa Historic Land Use Inventory (HLUI) Database

SLR contacted the City of Ottawa to conduct a search of the Historic Land Use Inventory (HLUI) for information regarding the Site on February 22, 2024. A response from the City of Ottawa was received on March 22, 2024.

SLR reviewed the City of Ottawa response including HLUI database reuslts(provided in **Appendix B**) and summarized the findings relevant to the Phase One ESA in the table below:

Table 5: HLUI Database Results

HLUI	Name	Street Number	Street Name	Type of Facility	Environmental Concern
1666	1213475 Ontario Inc. O/A Gas Stn	4000	Riverside Drive	Gasoline Station - Self Serve	Operation of the gas station
1667	1213475 Ontario Inc. O/A Gas Stn	4000	Riverside Drive	Gasoline Station - Self Serve	Operation of the gas station
1668	1213475 Ontario Inc. O/A Gas Stn	4000	Riverside Drive	Gasoline Station - Self Serve	Operation of the gas station
12232	4059930 Canada Inc.	4000	Riverside Drive	Service Stations-Gasoline & Oil	Operation of the gas station
12233	Petro Canada	4000	Riverside Drive	Service Stations-Gasoline & Oil	Operation of the gas station
12887	Unnamed Sand/Gravel Pit – 1912 to 1967	4000	Riverside Drive	Sand And Gravel Pits	Operation of the gravel pit
14148	Ottawa Hunt and Golf Club, Limited	1	Hunt Club Road	Golf Course	Potential of pesticide use
133325	Ottawa International Airport – 1941-1979	No Address		Airport	Airport and Associated Operations

Several records were identified to be beyond the Phase One Study Area which were not included in the above table. The above listed records are located for 4000 Riverside Drive, Ottawa International Airport and the Ottawa Hunt and Golf Club are considered to be PCAs.

A copy of the HLUI map and excel table is provided in **Appendix B**.

3.2.6 Publicly Available Records

Publicly available records included environmental reports available through the City of Ottawa. Available reports included the following:

- "Phase One Environmental Site Assessment, Proposed Development At Riverside Drive and Hunt Club Road, Ottawa, Ontario" report, prepared by WSP Golder for Taggart Realty Management, dated December 2022;
- "Phase Two Environmental Site Assessment, Proposed Development At Riverside Drive and Hunt Club Road, Ottawa, Ontario" report, prepared by WSP Golder for Taggart Realty Management, dated December 2022; and,
- "Geotechnical Investigation, 3930 and 3960 Riverside Drive, Ottawa, Ontario" report, prepared by WSP Canada for St. Mary's Land Corporation c/o Taggart Realty Management, dated September 28, 2003.

The reports above were for the neighbouring property to the north across Hunt Club at 3930 Riverside Drive. Details from these reports are presented throughout other sections of this report.

3.2.7 Technical Standards and Safety Authority (TSSA)

SLR contacted the Technical Standards and Safety Authority (TSSA) regarding the Site and selected adjacent/neighbouring properties on February 22, 2024, to inquire about records of registered fuel tanks, which may include compliance orders, incident reports, inspection records, spills or records of contamination or specifications of the registered fuel tanks.

A response from the TSSA, dated February 22, 2024, indicated that there were five (5) records for the Site. The Site has several active FS liquid fuel tanks and FS Cylinder exchange record consistent with the ERIS records summarized in **Section 3.2.8.**

SLR requested a release of public information from the TSSA fuel safety program (including all available records/inspections/incidents from the TSSA Archive) for the Site. A response letter from the TSSA, dated March 19, 2024, indicated that the records associated with the property included the installation of three 50,000 L capacity double wall fiberglass USTs for gasoline in 2003. Additionally, the records indicated the presence of one 150,000 L record for the gas station and one cylinder exchange record.

A follow-up inspection report dated January 12, 2022, included several references and Orders issued to Suncor Energy Products Partnership in relation to shear valves, and leak detection systems, vent pipes. During the facility inspection verifying compliance with orders issued this Inspector has discovered no vehicular protection installed at the storage tank vent pipes.

The most recent inspection report issued to Suncor Energy Products Partnership for an inspection completed November 08, 2022, indicated "safety tasks" were issued regarding order for vehicular protection of the vent pipes. While on site verifying compliance the Inspector discovered two posts installed in front of the vent pipes, and the order was deemed to have been complied with.

During a previous inspection conducted on June 15, 2018, it was noted that the Submersible Turbine Pump (STP) sump had a slight leak in the piping when the motor was energized, the cover for the Regular fill point was damaged and needed to be replaced, the no smoking signs were faded and required replacement. On June 13, 2019 the Inspector found that these noted deficiencies had been complied with.

Based on this information, the above records would result in a potential environmental concern at the Site.

A copy of the TSSA correspondence, letter and records/inspections/incidents are provided in **Appendix B**.

3.2.8 ERIS Database Review

ERIS was retained to review databases maintained by various federal, provincial, and private environmental agencies. The databases, search parameters, and search distances were selected based on the standard Canadian databases available. The purpose of the review was to identify reported listings for the Site or other properties within the search radius.

The searches were conducted through a series of matching parameters (e.g., address, city, postal code) and a search buffer of 300 m from the Site boundary which is slightly larger than the Phase One Study Area to account for the radius of the Site. A total of 73 federal, provincial and private databases were searched as part of the request, including Certificates of Approval, Inventory of Coal Gasification Plants and Coal Tar Sites, Environmental Registry, TSSA incidents and spills, National and Ontario polychlorinated biphenyls (PCB) Inventories, and RSC. The complete list of databases searched by ERIS is presented in **Appendix C**.

Table 6: Results of Environmental Database Search

Database		Project Property	Within 300 m	Total
BORE	Borehole	0	2	2
CA	Certificates of Approval	1	6	7
EBR	Environmental Registry	0	1	1
ECA	Environmental Compliance Approval	1	2	3
EHS	ERIS Historical Searches	0	4	4
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	1	1	2
FST	Fuel Storage Tank	4	0	4
FSTH	Fuel Storage Tank - Historic	1	0	1
GEN	Ontario Regulation 347 Waste Generators Summary	0	55	55
INC	Fuel Oil Spills and Leaks	0	1	1
PINC	Pipeline Incidents	1	0	1
RSC	Record of Site Condition	0	1	1
SCT	Scott's Manufacturing Directory	0	1	1
SPL	Ontario Spills	0	5	5

Database		Project Property	Within 300 m	Total
WWIS	Water Well Information System	0	10	10
Total		**9**	**89**	**98**

3.2.8.1 Records for the Subject Property

A total of 9 records were found for the Subject Property. The database records of environmental significance are summarized below:

CA – Certificates of Approval – 1 Record

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. This database contains records prior to October 31, 2011.

- 4059930 Canada Inc., 4000 Riverside Drive, approval type: industrial sewage works, 6/6/2003, certificate #: 4964-5KQMLE.

Based on the description and nature of this record, it is not considered a concern to the Site.

ECA – Environmental Compliance Approval – 1 Record

This database includes ECAs approved from October 2011 to November 30, 2023.

- 4059930 Canada Inc., 4000 Riverside Drive, approval type: industrial sewage works, approved: 6/6/2003, approval #: 4964-5KQMLE.

Based on the description and nature of this record, it is not considered a concern to the Site.

FRST – Federal Identification Registry for Storage Tank Systems – 1 Record

This database contains a list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS).

- 4000 Riverside Drive, tank system ID: 7465, system description: retail facility, tank details: three 50,000 L double wall fiberglass underground storage tank (UST) containing gasoline.

This record is considered to be a PCA based on the description as per O.Reg.153/04.

FST – Fuel Storage Tank – 4 Records

List of registered private and retail fuel storage tanks. This listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

- Suncor Energy Products Partnership, 4000 Riverside Drive, tank information: one active 150,000 L record for liquid fuels; and, three active 50,000 L double wall fiberglass USTs for liquid fuels.

These records are considered to be a concern to the Site based on the description as per O.Reg.153/04.

FSTH – Historic Fuel Storage Tank – 1 Record

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.

- 213475 Ontario Inc. O/A Gas STN., 4000 Riverside Drive, three licensed active liquid fuel double wall USTs – gasoline, install year: 2003.

This record is considered to be a PCA based on the description as per O.Reg.153/04.

PINC - Pipeline Incidents – 1 Record

This database covers historical copy of records previously obtained under Access to Public Information, however the record reviewed was associated with natural gas which is not considered to be of concern to the Site.

3.2.8.2 Records for the Phase One Study Area

A total of 89 records were found for surrounding properties within the 300 m buffer. Properties with database records of environmental significance are summarized below:

BORE – Borehole – 2 Records

This is a provincial borehole database that includes information from sources such as Ministry of Transportation engineering reports, Ontario Geological Survey, and Conservation Authority Moraine Coalition.

- Borehole #612370, the borehole log reports the presence of soil and sand from 0-32.9 m bgs, status: unknown; and,
- Borehole #612372, the borehole log reports the presence of yellow soil from 0-4.6 m bgs, clay from 4.6-9.1 m bgs, sand from 9.1-29 m bgs, and brown sand and gravel from 29-31.4 m bgs, status: unknown.

CA – Certificates of Approval – 6 Records

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. This database contains records prior to October 31, 2011.

- 5 records for R.M. Of Ottawa-Carleton, Hunt Club Road & Riverside Road, approval type: municipal water, 7/23/1997, certificate #:7-0690-97; approval type: municipal sewage, 7/16/1986, certificate #: 3-0991-86; approval type: municipal sewage, 10/17/1989, certificate #: 3-1977-89; approval type: municipal water, 7/16/1986, certificate #: 7-0800-86; and, approval type: municipal water, 8/3/1995, certificate #: 7-0765-95 (approximately 52 m northeast of the Site); and,
- Sander Geophysics Limited, approval type: industrial sewage works, 9/18/2007, certificate #: 7179-775V7Q (approximately 298 m northeast of the Site).

Based on the description and nature of these records, they are not considered a concern to the Site.

EBR – Environmental Registry – 1 Record

The ERIS report included a search of the Environmental Registry database (from 1994 to December 31, 2023). One record was found in the Environmental Registry database, however the record reviewed was associated with approval for discharge into the natural environment other than water (i.e. Air), which is not considered to be of concern to the Site.

ECA – Environmental Compliance Approval – 2 Records

This database includes ECAs approved below for:

- City of Ottawa, Corner of Hunt Club and Riverside, approval type: municipal and private sewage works, approved: 3/27/2013, approval #: 0796-95XHXA (approximately 52 m northeast of the Site). Based on the review of the information this record location is southwest of the Site.
- Sander Geophysics Limited, approval type: air, 9/18/2007, certificate #: 7145-73YJ67 (approximately 298 m northeast of the Site).

Based on the description and nature of these records, they are not considered a concern to the Site.

EHS – ERIS Historical Searches – 4 Records

This database contains all environmental risk reports completed since March 1999. The records found are from surrounding properties within 300 m of the Site. These records were associated with the following addresses:

- 3967 Riverside Drive;
- 3930 Riverside Drive;
- 4070 Riverside Drive; and,
- 260 Hunt Club Road.

Based on the description and nature of these records, they are not considered a concern to the Site.

FRST – Federal Identification Registry for Storage Tank Systems – 1 Record

This database contains a list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS).

- 220 Hunt Club, tank system ID: 56138, tank details: one 4,500 L double wall steel horizontal above-ground tank containing gasoline (approximately 294 m east of the Site).

Based on the distance from Site (outside the Phase One Study Area), it is not considered a concern to the Site.

GEN and REC – Ontario Regulation 347 Waste Generators and Waste Receivers Summary – 55 Records

A search of waste management records including hazardous waste generators and receivers was included in the ERIS report. Several databases were searched and included Ontario Regulation 347 Waste Generators Summary (1986 to October 31, 2022); Ontario Regulation 347 Waste Receivers Summary (1986 to 1990, and 1992 to 2018), among several others. A total of 55 records were found in the Ontario Regulation 347 Waste Generators database for the surrounding properties, and no records were found for the site.

- 4 records for Rideau River Veterinary Professional Corporation, 3987 Riverside Drive, Unit 2, approval years: 2018, 2021-2022, generator #: ON4699810, waste class desc: pathological wastes (approximately 81 m east of the Site);
- 4 records for Vital Medical Group Inc., 4-224 Hunt Club Road, approval years: 2018, 2021-2022, generator #: ON4297341, waste class desc: pathological wastes, pharmaceuticals (approximately 252 m east of the Site);

- 15 records for Ottawa Hunt and Golf Club Limited, 1 Hunt Club Road, approval years: 1999-2016, 2018, 2021-2022, generator #: ON0979100, waste class desc: waste oils & lubricants, aliphatic solvents, petroleum distillates, non-halogenated pesticides, paint/pigment/coating residues (approximately 285 m northeast of the Site);
- 12 records for Ottawa Aviation Services, 220 Hunt Club Road, approval years: 2007-2016, 2018, 2019, generator #: ON7819447, ON4028708, waste class desc: waste oils & lubricants, light fuels, petroleum distillates (approximately 294 m east of the Site);
- 3 records for Canadian Airmotive Ltd., 220 Hunt Club Road, approval years: 2003-2006, generator #: ON2555801, waste class desc: alkaline wastes - other metals (approximately 294 m east of the Site);
- 2 records for Innotech Aviation Limited, Ottawa International Airport Building T104, 260 Hunt Club Road, approval years: 1992-2001, generator #: ON0102401, waste class desc: waste oils & lubricants, light fuels, petroleum distillates (approximately 298 m northeast of the Site); and,
- 15 records for Sander Geophysics Ltd., 260 Hunt Club Road, approval years: 1996-2016, 2018, 2020-2022, generator #: ON1266501, ON9078665, waste class desc: waste oils & lubricants, light fuels, petroleum distillates, acid waste - other metals, aliphatic solvents, waste compressed gases, organic laboratory chemicals, alkaline wastes - other metals, acid waste - heavy metals (approximately 298 m northeast of the Site).

Based on the description and nature of the records for Rideau River Veterinary Professional Corporation and Vital Medical Group Inc., they are not considered a concern to the Site. These records summarized for Ottawa Aviation Services, Canadian Airmotive Ltd., Innotech Aviation Limited and Sander Geophysics Ltd. were excluded as potential environmental concern due to the distance of the records from the Site. Based on the distance of suspected waste generator at the Ottawa Hunt and Golf Club, this is not considered an environmental concern for the Site.

INC – Fuel Oil Spills and Leaks – 1 Record

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). 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.

- 4120B Riverside Drive, incident No: 131148, oil tank developed a leak underneath - exact location undetermined, leak of approximately 20 gallons of fuel oil (approximately 268 m southwest of the Site).

Based on the description, distance from the Site, downgradient location and nature of this record it is not considered a concern to the Site.

RSC – Record of Site Condition – 1 Record

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. The Record of Site Condition Regulation (O. Reg. 153/04, as amended) 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).

- 3930 Riverside Drive, RSC ID: unknown, current property use: unknown, intended property use: unknown, filing date: 10/04/2001 (approximately 171 m northwest of the Site; the distance is considered in accurate based the address and should be closer to 50 metres north of the Site).

Based on the description and information provided in this record, it is not considered a concern to the Site.

SCT – Scott's Manufacturing Directory – 1 Record

SCT is a voluntary database of Canadian Manufacturers from 1992 to March 2011.

- Canadian Airmotive Ltd., 220 Hunt Club Road, description: plumbing, heating and air-conditioning equipment and supplies wholesaler-distributors, all other textile product mills, all other wholesaler-distributors, heating equipment and commercial refrigeration equipment manufacturing, heating equipment and commercial refrigeration equipment manufacturing, established: 1973 (approximately 294 m east of the Site).

Based on the description and information provided in this record, it is not considered a concern to the Site.

SPL – Ontario Spills – 5 Records

The Ontario Spills database identifies location, date, type and quantity of contaminant, etc. of spills reported to the Ontario Spills Action Centre. This database contains information from 1988 to December 2021.

- City of Ottawa, Hunt Club Road and Riverside Drive, ref #: 2714-7FSME9, incident date: 6/20/2008, details: sheen observed in the stormwater treatment pond due to the weather conditions, surface water pollution was possible (approximately 52 m northeast of the Site). Based on the description of the incident this would likely be associated with the drainage pond southwest of the Site. Given the description and the perceived downgradient location of the spill, this is not considered to be a potential environmental concern for the Site;
- 4120F Riverside Drive, ref #: 0042-6MJM8U, incident date: 3/3/2006, details: spill of 400 L furnace oil to ground, environmental impact was possible (approximately 202 m south of the Site). Based on the address, this property is located 400 metres southwest of the Site and downgradient. Based on this information this record is not of potential environmental concern for the Site; and,
- 4120B Riverside Drive, ref #: 6544-7UUKAQ, incident date: 8/12/2009, details: unknown quantity of furnace oil leak from the AST tank, environmental impact was not anticipated (approximately 268 m southwest of the Site).

Two records were associated with air which is not considered to be of concern to the Site. Based on the description and information provided in the other records, they are not considered a concern to the Site.

WWIS – Water Well Information System – 10 Records

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Ten wells were identified within 300 m of the Subject Property:

- Well ID: 7333869, depth 6.82 m, 03/26/2019;
- Well ID: 7333868, depth 7.75 m, 03/25/2019;

- Well ID: 7341988, depth 7.62 m, 07/02/2019;
- Well ID: 7333870, depth 2.79 m, 03/26/2019.
- Well ID: 7333867, depth 7.75 m, 03/25/2019;
- Well ID: 7333871, depth 4.65 m, 03/26/2019;
- Well ID: 7333815, depth 7.75 m, 03/25/2019;
- Well ID: 1504330, depth 31.39 m, 11/12/1963;
- Well ID: 1504118, depth 32.91 m, 03/01/1950; and,
- Well ID: 7311682, depth 9.75 m, 12/21/2017.

The above noted records completed between 1950 and 1963 (Well ID: 1504330 and 1504118) are identified to be domestic water supply wells. These two records are reportedly greater than 250 metres from the Site and are shown in Figure 1. The records from 2017 and 2019 are identified as monitoring/test hole wells. The Site and surrounding properties are reportedly municipally serviced, and wells are not required to supply potable water at this time.

Copies of well records that were available are provided in **Appendix A** and summaries are provided in **Appendix C**.

3.2.8.3 Unplottable Records

Numerous records were identified within the ERIS database report which were not able to be plotted, therefore, there location is unknown and may fall within the Phase One Study Area. A review of the unplottable records was completed, and no records consistent with the company name with previous occupants of the Site and Phase One Study Area were identified.

The complete database listings searched by ERIS, including all available details on plotted and unplottable listings, and a copy of the ERIS search results are provided in **Appendix C**.

3.2.9 Coal Gasification Facilities

A secondary review of historical coal gasification facilities was completed. Based on the secondary review, it was confirmed no records of coal gasification facilities exist for the Site or within 250 radius metres of the Site. The nearest known Sites are located on the northeastern side of the City of Ottawa based on the additional records reviewed.

3.2.10 Small and Large Landfills

The MECP landfill and City of Ottawa landfill databases were reviewed. Based on the secondary review, it was confirmed no records of landfills exist for the Site or within 250 radius metres of the Site. Based on City of Ottawa records, the nearest landfill is located 10 kilometres southeast of the Site (ID 460701).

3.2.11 Notices and Instruments

A record of site condition (RSC) was noted in the ERIS report for 3930 Riverside Drive, Ottawa in 2001 by Golder Associates (Golder). A cursory review of the MECP database through Access Environment returned no available RSCs for this address. A current planning application for a future residential development was noted with the City of Ottawa for this property.

3.3 Physical Setting

3.3.1 Aerial Photographs

Aerial photographs for the years 1930, 1945, 1953, 1989, and 2023 were obtained from ERIS, and satellite imagery from 1965, 1976, 1999, 2002, 2005, 2008, 2011, 2014 and 2017 were obtained from the GeoOttawa website (https://maps.ottawa.ca/geoottawa/). A summary of the aerial photography review is provided below in **Table 7**.

Table 7: Review of Aerial Photographs

Date	Site	Adjacent Properties
1930	Earthworks including the presumed excavation of gravel, sand, and other sedimentary materials from the Site have taken place. Due to overexposure or possible cloud cover, details cannot be discerned.	To the north of the Site, there is a road in a similar location to current-day Hunt Club Road followed by properties likely use for aggregate extraction and vacant lands to the northeast of the Site. To the east of the Site, there is a road in a similar location to current-day Riverside Drive followed by vacant and agricultural lands. To the south of the Site, earthworks including the presumed excavation of gravel, sand, and other sedimentary materials have taken place. Single-family residences can be seen to the southwest of the Subject Property. Rideau River can be seen to the west of the Site.
1945	The Site details appear to be similar to the 1930 aerial photograph. A road is apparent dissecting the property.	Ottawa Airport has been constructed to the east and southeast of the Site, commercial buildings can be seen further east of the Site. Directly east of the Site, across Riverside drive is an open space. To the south of the Subject Property, multiple access roadways have been constructed. Golf course apparent northeast of Site.
1953	The Site details appear to be similar to the 1945 aerial photograph.	Ottawa Airport has been expanded to the southeast of the Site with more runways. More single-family residences have been constructed to the further southwest of the Site.

Date	Site	Adjacent Properties
1965	A circular structure appears in the centre of the Site along with several access roads dissecting the property.	Earthworks including the presumed excavation of gravel, sand, and other sedimentary material has been expanded to the north and south of the Site and gravel stockpiles or excavated areas can be seen due to stripping and presumed excavation activities. There has been significant residential development further northwest (across river) and southwest of the Subject Property. Property east of Site is unoccupied with exception of small 't' shaped building likely associated with airport. Airport visible southeast/east of property.
1976	The Site details appear to be similar to the 1965 aerial photograph with exception of access road to building.	More commercial buildings have been developed to the further northeast of the Subject Property. Exposed ground is visible south of the Site and no visible earth works is occurring.
1989	Access road and building from 1965/1976 is no longer present. A small rectangular building can be seen in the centre of the Site.	There has been significant residential and commercial development to the further southwest, west, and northwest of the Subject Property. Hunt Club Road to the north has been expanded to the west across the Rideau River. A drainage pond has appeared south of the property.
1999	The building has been removed and the Site appears to be undeveloped/vacant.	The surrounding properties appear similar to those observed in the 1989 photograph. Earthworks is apparent on the property north of the Site.
2002	The Site details appear to be similar to the 1999 aerial photograph.	Substantial earth work on property north of Site with largescale backfilling. Property east of Site remains vacant.
2005 and 2008	The Site has been developed with a gas station and car wash along with a convenience store.	The surrounding properties appear similar to those observed in the 1999 photograph.
2011	The Site details appear to be similar to the 2008 aerial photograph.	Property south of Site stripped with bare ground. East of property developed/in construction with multiple new commercial buildings.
2014	The Site details appear to be similar to the 2011 aerial photograph.	Property south of Site developed. Development east of property complete.
2017	The Site details appear to be similar to the 2014 aerial photograph.	The Hunt Club Marketplace Plaza has been constructed to the east of the Site across Riverside Drive.
2023	The Site details appear to be similar to the 2017 aerial photograph.	The surrounding properties appear similar to those observed in the 2017 photograph.

In summary, a review of historical aerial photographs of the Site suggest that the property likely operated in some capacity for aggregate extraction as evidenced by air photos from 1930, 1945, 1953 and 1965. In the 1965 and 1976 air photo a small building/structure is apparent in the photo along with access roads. In 1989, the site appears to have a small rectangular building. Most recently, the Site was developed into a service station as evidenced in the 2005 aerial photograph.

In general, the surrounding properties north and south of the Site have been historically used for aggregate extraction. Northeast of the Site a golf course was noted from 1945 to present. Southeast of the Site, the Ottawa International Airport was also apparent in air photos from 1945 to current day. East of the Site, across Riverside Road has been primarily unoccupied apart from a small building located near Hunt Club Road. More recently, commercial businesses were added in the early 2010s east and south the property.

The aerial photographs are presented in **Appendix D**.

3.3.2 Topography, Hydrology and Geology

3.3.2.1 Regional Topography

According to the National Topographic Database provided online by Natural Resources Canada (www.atlas.nrcan.gc.ca) the Site sits at an approximate elevation of 100 metres above sea level (mASL).

In general, the Site and surroundings gently slope to the westwards to the Rideau River which is located approximately 90 m to the west of the Site. Between the Site and Rideau River is a grade change of approximately 25 metres.

3.3.2.2 Hydrology and Surface Water Drainage

The Site is mostly asphalt paved, with the pump island, car wash, and the convenience store located at the central portion of the Site. The asphalt paved area connects Hunt Club Road to the north to Riverside Drive to the east of the Site. Stormwater is anticipated to drain via overland flow to the subsurface or to storm drains located on the property as seen in **Figure 2**.

Based on the topography of the area, the regional groundwater flow direction (and inferred shallow groundwater flow direction) is anticipated to be predominantly west towards the Rideau River which continues to flow northward discharging into the Ottawa River. Note that shallow groundwater flow direction can be influenced by the presence of underground utility lines or other underground structures and preferential pathways and may not follow topography.

3.3.2.3 Regional Geology

Regional surficial and bedrock geology information was obtained from ERIS which was sourced from the Ontario Geological Survey (OGS).

The OGS map provided by ERIS (**Appendix A**) indicates that surficial soils consisted predominantly of coarse-textured glaciomarine deposits, sand, gravel, minor silt and clay, foreshore and basinal deposits at most portions of the site, and older alluvial deposits, clay, silt, sand, gravel (may contain organic remains) at the western portion of the site.

The regional bedrock geology, as indicated on the OGS map provided by ERIS (**Appendix A**), is characterized by dolostone, sandstone of Beekmantown Group.

3.3.3 Fill Materials

The most recent development of the Site began in the early-2000s when a Petro Canada Gas Station and Car wash was constructed on the property. Most of the Site is paved, and no obvious evidence of fill materials was observed at the Phase One Property at the time of the site visit. However, based on the historical reports, fill materials was likely used on the Site for grading and leveling purposes during this development. Based on the historic review of the Site, it is probable that fill may have been brought to the property during the reclamation of the property after the property was used for aggregate extraction.

3.3.4 Areas of Natural Significance

SLR reviewed the Ministry of Northern Development, Mines, Natural Resources and Forestry (MNDMNRF) Natural Heritage Area map and Land Information Ontario Area of Natural & Scientific Interest (ANSI) map and did not identify any areas of natural significance in the Phase One Study Area.

In addition, ERIS obtained information pertaining to areas of natural significance located within the Phase One Study Area, sourced from the Ontario Ministry of Natural Resources ANSI map included in Appendix B. No Areas of Natural & Scientific Interest were identified by ERIS in the Phase One Study Area.

The City of Ottawa Official Plan was also reviewed, and no municipality significant natural areas were observed at the Site or within 30 metres of the property. Environmental protected natural heritage features were however noted 75 metres south of the site (system linkage area) as well as 65 metres north of the Site across Hunt Club Road (3930 Hunt Club Road). Further to this, it was noted that the Site is regulated by the Rideau Valley Conservation Authority as hazard lands. Naturalizing vegetation was also noted west and southwest of the Site, as well as the Rideau River approximately 90 metres west of the Subject Site.

3.3.5 Well Records

As noted in **Section 4.2.6.2**, 10 wells were found within 250 m of the Site. A separate search of the MOE Water Well Information System database conducted as a component of this Phase One ESA (https://www.ontario.ca/environment-and-energy/map-well-records) did not reveal additional well records.

Available well records are presented in **Appendix A**.

3.4 Site Operating Records

The Site has been used for commercial property use since the early-1980s and has operated as a service station since the early-2000s. Documents related to the current Site operation were requested from the client contact.

The client provided the following documentation:

- Environmental and Geotechnical Reports (summarized above in Section 4.1.4)
- Lease Documents associated with 4000 Riverside Drive, Ottawa
- A current Plan of Survey for the Site
- Proposed Site Plan – dated May 08, 2003
- Underground Storage Tank Information and Recent Records for 2023

These records were summarized throughout the report. No records were available pertaining to safety data sheets, waste management, permits or utility drawings.

4.0 Plan of Survey

A plan of survey completed by J.D. Barnes, an Ontario Land Surveyor, dated February 26, 2024, was provided by Suncor for SLR to review. The survey included details of the Site as well as the adjacent municipal right-of-way to the north and east. Based on the Plan of Survey for the Site, it was evident that a former portion of the Site (to the east) was expropriated as municipal highway (Riverside Drive). A review of title information confirms this land was expropriated by the City of Ottawa in 2007. The limit of lease agreement (Inst. OC339605) is shown in yellow on the Plan of Survey. The Plan of Survey can be referred to in **Appendix E.**

5.0 Interviews

At the request of the client, SLR interviewed Kelly Klassen of Suncor Energy Products Partnership. She has been familiar with the Site for approximately two years. Ms. Klassen provided available records pertaining to the Site including tank records, a plan of survey, lease documents, site plans and environmental records. Based on her knowledge of the Site she reported the property was developed into a Petro-Canada service station in the early 2000s. She was unaware of any fines, orders, notices or spills related to the property. No records were available pertaining to waste management, utility diagrams, permits or safety data sheets.

6.0 Site Reconnaissance

6.1 General Requirements

The Site reconnaissance was completed on March 14th, 2024. Weather conditions during the visit were sunny with an ambient air temperature of approximately 2 degrees Celsius. Snow was not present on the ground at the time of the Site visit, apart from melting snowbanks in the northeast portion of the parking lot. Mr. Mike Grinnell, senior project manager from SLR conducted the Site reconnaissance. Mr. Grinnell was provided access to the entire Site with exception of the roof which was not accessed due to health and safety considerations.

Additional observations and Site features noted during the Site reconnaissance are described in further detail in the following sections.

Photographs of the Site are provided following the texts in **Appendix F**.

6.2 Specific Observations at Phase One Property

The Site is a currently an active Petro-Canada service station and car wash located on the southwestern corner of the intersection of Hunt Club Road and Riverside Drive in the City of Ottawa. The majority of the Site is paved and bordered by manicured grass. Three entrances to the property were noted which included one from Hunt Club Road, one from Riverside Drive and the last from the neighbouring business located at 4010 Riverside Drive. At the time of the Site, two buildings were noted on the Site which included a car wash and convenience store. The Site is approximately 0.63 hectares (1.56 acres) in area.

Site photographs are provided at the end of this report in **Appendix F**. Specific observations as outlined in the O.Reg.153/04 requirements are provided below and are presented in **Figure 2**.

Site Building and Structures

Two buildings were present on the property including a kiosk building and car wash. The Kiosk located in the central portion of the Site, consisted of a retail space, office, washroom and utility room. The car wash building, located on the western portion of the Site, consisted of one car wash bay, a storage room and utility room. Other pertinent structures on the Site included an overhead canopy for a pump island and garbage enclosure.

Site Building Features

The kiosk building consisted of a one-story rectangular building with an area of approximately 150 m^2. The buildings exterior was metal-clad. During the visit the buildings roofs construction was noted to be flat, though SLR was not able to access the roof due to safety concerns. Based on available information it is estimated that the building was constructed in the early 2000s. Within the building, there were four rooms which included a retail space with coolers, an office, washroom and utility room/storage room. Ceiling tiles were observed throughout the building and modern ceramic tiles were noted for the floors. The type of construction of the exterior walls could not be determined. An air condition unit was noted to be present on the roof at the time of the Site visit. Refrigeration units were also in the noted in merchandise refrigerator units. The building was serviced by municipal water, sanitary sewer, gas, underground hydro and communication utilities.

The car wash building consisted of a one-story rectangular building with an area of approximately 130 m^2. The cinderblock building was likely built during the early 2000s during the development of the property into a gas station. During the visit, the buildings roof was noted to be flat, though SLR was not able to access the roof again due to safety concerns. Various vent pipes (for boilers) were noted on the roof of the car wash. Within the building, there were three rooms which included a car wash bay, a utility room and storage room. The floor was brushed concrete throughout the building and ceiling was constructed of metal panels. Within the car wash bay there was an entrance/exit bay on the north and south of the building. A drain pit and vehicle conveyor system was observed within the bay as well as outside the building to the south. Within the utility room, air compressors, hydraulic equipment and boilers were noted. The boilers observed were noted to be running on natural gas. The building was serviced by municipal water, sanitary sewer, gas, underground hydro and communication utilities. East of the car wash an oil/water separator was noted within the parking lot.

Underground Structures

The site is serviced by underground hydro, natural gas, telecommunications, storm sewer, sanitary sewer and municipal water. As shown in **Figure 2**, multiple catch basins and maintenance holes are located across the Site. Both buildings are serviced with the aforementioned utility services.

Aboveground and Underground Storage Tanks

An underground storage tank (UST) nest was observed northeast of the pump island. Three tank nest holes were observed within the nest suggesting the presence of three USTs. A total of three tank vents were also observed northwest of the nest in the grass boulevard.

A small hydraulic oil aboveground storage tank (AST) was present in the car wash at the time of the Site visit.

Wells

No existing or abandoned wells were observed on the Site at the time of the Site visit.

Sewage Works

The Site is connected municipal sanitary which services the kiosk and car wash as noted in the City of Ottawa Water and Wastewater Infrastructure portal. As noted above, a Certificate of Approval Number, 4964-5KQMLE, is registered to the Site for stormwater discharge into a drainage pond southwest of Site.

Surface Features

The majority of the Site is paved with landscaped grass and trees bordering the Site. The topography of Site is generally flat with a gentle slope towards the west. West of the Site is a steep slope that dips steeply towards the Rideau River.

Current or Former Railway Lines or Spurs

Evidence of current or former railway lines or spurs was not observed during the Site visit.

Imported Fill and Debris

No obvious evidence of fill materials or debris were observed on the Phase One Property at the time of the Site visit. Due to the flat nature of the Site and abutting slope towards the Rideau River, it can be inferred that the Site has been regraded and infilled at one time to some degree.

Chemical Storage Areas

Within the convenience store small quantities of oils, washer fluid, lubricants and car maintenance liquids were observed for retail purchase. These materials were stored within the kiosk and sold directly to the consumer for intended use elsewhere. No evidence of spills or staining were observed in the convenience store.

Inside the car wash building, various soaps and cleaning agents were observed in cardboard boxes and plastic containers. These materials were considered to be of potential environmental concern. Though not observed during the Site visit, it is expected that small quantities of engine oil would be used in the maintenance of car wash equipment. No spills were observed in the car wash utility room. White staining was observed on the concrete in the car wash utility room.

Car wash fluid was also store outside the kiosk building and throughout the pump island. Due to the quantity of washer fluid sold and likely use on the Site, this is a potential environmental concern.

Hazardous Material Use or Storage

No hazardous waste was observed on the Phase One Property at the time of the Site visit. At the time of the site visit various propane tanks were noted to be sold and distributed on the Site. These propane tanks were stored in approved containers for distribution to the consumer as licensed by the TSSA. Due to the gaseous nature of propane, this does not present an environmental concern for the Site.

Solid (Non-Hazardous) Waste

Solid (non-hazardous) waste was generated at the Site is collected in a dumpster southeast of the convenience store for transported off-site at the local landfill as required.

Oil/Water Separators

An oil/water separator lid was observed directly east of the car wash during the Site visit. The oil/water separator was not inspected at the time of the visit. Details regarding the frequency of cleaning, and construction were not available. A cursory review of MECP records, suggests the oil/water separator has a 4,325 Litre capacity.

Spills

During the Site visit the site assessor looked for signs of spills, such as staining or distressed vegetation. Minor stains were observed on the concrete adjacent to fuel dispensers in the pump island. Within the car wash maintenance room, white stains were observed on the concrete surface adjacent to locations storing soaps and various cleaners.

Liquid Discharge Points

No ponding or wetland-type vegetation was observed on the Site. Storm drains were observed in the parking lot which are used to control the surface drainage of the Site. No liquid discharge points were observed on the Subject Property, though a storm water drainage pond was located 85 metres south of the Site.

Vehicle and Equipment Maintenance

Maintenance of vehicles or large equipment was not observed to be conducted on the Site at the time of the Site visit.

Routine maintenance of car wash equipment (natural gas boilers, hydraulic oil compressors and air compressors) is expected to occur as required.

Hydraulic Equipment

Hydraulic equipment was observed in the utility room adjacent to the car wash which would be used to run the conveyor equipment and various equipment within the car wash bay. A 100-gallon hydraulic oil compressor was observed within the utility room for the car wash. No evidence of staining was observed.

Air Emissions

No commercial or industrial activities producing air emissions that would require certificates of approval from provincial or federal regulators were observed during the Site reconnaissance.

Pesticides

The Site was not historically used for agricultural purposes. Currently most of the Site is paved and bordered by turfgrass and landscaped areas. In 2009, Ontario banned the use of pesticides for cosmetic purposes. Based on the length of time between the banning of cosmetic pesticides in Ontario and the development of the Site, the historical use of pesticides and herbicides at the Site is not considered to be an environmental concern for the Site.

Designated Substances

Designated substances of concern for the Site are listed as asbestos-containing materials, lead-based paint, polychlorinated biphenyls, ozone-depleting substances, mercury containing substances, silica, mould, radioactive sources and urea formaldehyde foam insulation.

Based on the age the kiosk and car wash building (constructed in circa-2003) it is unlikely that polychlorinated biphenyls, lead-based paints, asbestos containing materials or urea formaldehyde foam insulation would have been used in their construction. At the time of the site visit incandescent bulbs were noted that may contain mercury. An air conditioning unit and refrigerators were observed were identified in the kiosk building. The air conditioning unit could not be inspected at the time of the site Visit. No evidence of mould was noted in either building. Silica is expected to be present in buildings materials used the two buildings construction.

The following designated substance information is not meant to replace a detailed designated substance survey. Should any alteration or demolition work, it is recommended a more a detailed survey be completed to ensure compliance with O.Reg.490/09.

Asbestos-Containing Materials (ACMs)

Asbestos has been used in many products in buildings and continues to be used in some building products today. Two categories of asbestos were used in building construction: non-friable asbestos-containing materials (ACMs), and friable ACMs. Friable ACMs can be crumbled, pulverized, or reduced to powder by hand pressure and non-friable ACMs cannot. Products that contain non-friable asbestos include floor tiles, cement sheeting and pipes, motor vehicle brakes, and roofing materials. The use of these products has declined significantly since the 1970s; however, these products are still used in Canada today. Due to the softer nature of friable ACM products, the fibres can more readily be released to the air where they can be inhaled. Most friable products were withdrawn from the Canadian market in the mid-1970s, and production of friable products ceased, and they were commercially unavailable by 1982. However, it was not until 1985 that provincial regulatory bodies enforced a complete ban on friable asbestos products. Common friable products included sprayed fireproofing, sprayed acoustic or decorative finishes, and thermal insulation on piping or mechanical systems.

No ACMs were observed during the Site visit. Due to the age of the two buildings (constructed in early-2000s), it is unlikely ACMs were used in their construction.

Lead-Based Paint

Under the federal Hazardous Products Act, the lead content in interior paint was limited to 0.5% by weight in 1976. After 1980, lead was not used in interior paints; however, exterior paints may have still contained lead. All consumer paints produced and imported into Canada were virtually lead-free as of 1992.

No evidence of lead-based paint was observed on the Site during the site reconnaissance. Based on the age of the two buildings, lead based paint would be unlikely to have been used in their construction.

Polychlorinated Biphenyls

From the 1930s to the 1970s, PCBs were used to make coolants and lubricants for certain kinds of electrical equipment, including transformers and capacitors, and were widely used in a number of industrial materials including sealing and caulking compounds, inks, and paint additives. PCBs are an environmental concern as they do not readily degrade and have been identified to bio-accumulate. In Canada, the federal Environmental Contaminants Act (1976) prohibited the use of PCBs in heat transfer and electrical equipment manufactured and installed after September 1, 1977, and in transformers and capacitors installed after July 1, 1980. Stricter deadlines on equipment containing PCBs in use or in storage are regulated by the *PCB Regulations*, which came into effect in 2008. In addition, the storage and disposal of PCB waste materials is regulated.

At the time of the Site visit, three transformers were identified in right-of-way adjacent to the Site. No oil staining was observed on the concrete pads associated with these transformers at the time of the site visit and no spills were reported in the records review. Due to the age of these transformers, SLR can rule out that these transformers contain PCB containing transformer oil.

Based on the above information and details from the Site the PCA associated with these transformers would not contribute to an APEC on the Phase One Property. Should future soil sampling be completed on the Site, it would be recommended shallow soil samples be collected in the general vicinity of these transformers to exclude this risk.

Ozone-Depleting Substances (ODS)

In 1998, the Federal government filed the Ozone-Depleting Substances Regulations. The Regulations reflect Canada's commitment to meet its requirements under the Montreal Protocol on Substances that Deplete the Ozone Layer (Montreal Protocol). The Montreal Protocol is an international agreement signed by over 180 countries to control the production and exchange of certain ozone-depleting substances. The Regulations are intended to further reduce emissions of ozone-depleting substances. The Regulations were amended in 2001, 2002, and 2004.

Ozone-Depleting Substances are expected to be present in the air conditioning unit and convenience store refrigerators located in the Kiosk.

Mercury Containing Substances

Mercury commonly occurs within buildings for lighting equipment, paints, thermostats and electrical switches. Mercury is known to hazardous if inhaled and can absorbed through the skin. At the time of the Site visit, incandescent bulbs were noted within both buildings which are a known source of mercury.

Silica

Silica is commonly used in the building materials. Concrete, brick and ceramic tiles were observed during the Site visit which are known to contain silica.

Mould

The growth of mould in indoor environments is typically a result of moisture problems related to the building construction or mechanical system deficiencies or design. Mould can produce adverse health effects, and the only way to control mould is to control moisture.

SLR did not observe signs of potential water ingress or mould during the site reconnaissance. No active leaks were reported by site representatives.

Radioactive Sources

At the time of the Site no radioactive sources were observed apart from smoke detectors which are known to emit-low levels of radioactive material and do not constitute a health risk. Both buildings were observed to be constructed on-grade and as such present a low risk for radon. The Site is identified to be in a zone 3 area – which presents the lowest risk for radon exposure.

Urea Formaldehyde Foam Insulation (UFFI)

UFFI became an insulation product for existing houses in Canada in the 1970s. However, it was banned in Canada in 1980 under the Hazardous Products Act. UFFI can begin to deteriorate if exposed to water and moisture, which can also result in formaldehyde gas emissions.

No evidence of UFFI use (i.e., injection points) was observed during site reconnaissance.

Other Designated Substances

SLR did not observed any in sources of Coke Oven Emissions, ethylene oxide, isocyanates, vinyl chloride or acrylonitrile. Benzene is expected to present in gasoline and various oils on the property.

6.2.1 Enhanced Investigation Property

A Phase One ESA property is considered to be an enhanced investigation property (as defined by amended O.Reg.153/04) if it is currently being used for industrial use, or commercial uses including a garage, a bulk liquid dispensing facility such as a gas station, or for the operation of dry-cleaning equipment. Since the Subject Property is currently used as a gas station, an enhanced investigation is required.

6.3 Observations of the Phase One Study Area

The activities on neighbouring properties within a 250 m radius of the Site boundary were also observed at the time of the Site visit. Results of the reconnaissance are summarized in **Table 8** below.

Table 8: Adjacent and Neighbouring Property Use

Location	Address	Activity
North	3930 Riverside Drive	Vacant (Former Industrial)
East	3967, 3987, 3993 Riverside Drive; 214, 218, 222, 224 and 228 Hunt Club Road	Commercial properties
South	4010 Riverside Drive	Commercial property (St.Hubert's Restaurant) and Vacant (Former Industrial)
West	3990 Riverside Drive	Vacant/ Naturalized

The following pertinent observations were made at the time of the Site visit:

1 Hunt Club Road (Ottawa Hunt and Golf Club)

Approximately 140 m northeast of the Site, the Ottawa Hunt and Golf Club was located. Based on the cross/up-gradient location of this property relative to the Phase One Property, this offsite property can be considered to represent a potential environmental concern.

6.4 Written Description of Investigation

This Phase One ESA was conducted and/or supervised by a Qualified Person for Environmental Site Assessments and pursuant to Sections 13 and 14 of Schedule D of O. Reg. 153/04 included investigations of the Phase One Property and Phase One Study Area as described above and further below.

The main objective of these investigations was to identify, to the extent feasible pursuant to the scope of work previously discussed (see Section 3.0), APECs on, in or under the Phase One Property as a result of PCAs identified on the Phase One Property or on surrounding properties within the Phase One Study Area that may have had an adverse effect on the Site.

The Phase One ESA included a historical records review that included but was not limited to previous environmental reports, an ERIS Database Report, chain of title search and aerial photographs as previously detailed. A site reconnaissance was completed at the Phase One Property following a review of the historical records and included an observation of adjacent and neighbouring properties where visible from publicly accessible areas to identify current land uses any potentially contaminated activities. Interviews were completed with persons knowledgeable about the Phase One Property. The Site reconnaissance included a walk-through of all exterior areas of the Site to confirm the current Site conditions, and to identify any current land uses on the Site and surround properties.

7.0 Review and Evaluation of Information

7.1 Current and Past Uses

The Site was originally owned by private owners between 1802 and 1903. From 1912 to the early-1960s the Site operated in some capacity for aggregate extraction. During the 1970s the Site was occupied by a building/structure and access roads. From the early-1980s to the late-1990s, the Site was associated with several commercial businesses until the early-2000s when the property was developed as a Petro Canda Gas Station.

Table 9 provides a summary of current and past uses of the Phase One property, and a description of any known physical changes since it was first developed.

Table 9: Summary of Current and Past Uses of the Phase One Property

Approximate Dates	Property Use	Description Of Physical Changes In Property
1802 - 1903	Not known	Owned by various private owners
1903 – late-1960s	Industrial	Aggregate extraction from at least 1912 to the late 1960s
1970s to early 2000s	Commercial or Vacant	Various commercial businesses or vacant
Circa 2003 – present	Commercial	Gas station with a car wash and a convenience store

7.2 Potentially Contaminating Activities

The Ministry of Environment provides a list of PCAs in Schedule D, O.Reg.153/04 (as amended) of the Environmental Protection Act.

Based on the findings of the Phase One ESA, seven PCAs listed within Schedule D were identified at the Site and five PCAs (historically or currently) were identified on properties within the 250 m search radius. Identified PCAs are included in **Table 10** below and shown in **Figure 3**.

Table 10: Potentially Contaminating Activities

Reference Number	Location	Description	Schedule D – Table 2 – PCA Categories
1	On-Site	Antifreeze was present by the pumps and kiosk building. Based on the site reconnaissance, washer fluid was observed in these locations.	4 – Antifreeze and De-icing Manufacturing and Bulk Storage
2	On-Site	A pump island was located on the Site which was equipped with four pumps and eight dispensers. Minor staining was observed on the concrete throughout the pump island.	Not Defined “A”- Pump Island and Dispensers
3	On-Site	The service station is equipped with three 50,000 litre gasoline double-walled fiberglass tanks.	28 – Gasoline and Associated Products Storage in Fixed Tanks
4	On-Site	An oil/water separator was observed east of the car wash.	Not Defined “A”- Oil-water separator
5	On-Site	A car wash was also present at the service station. Various soaps and cleaning agents were present within the utility room. Hydraulic equipment was noted within the carwa	Not Defined “B”- car wash
6	On-Site	Suspected importation of fill materials for infilling of property after historical aggregate extraction in the early to mid-20th century. More recently material would have been imported during the development of the property in the mid-2000s.	30 – Importation of Fill Material of Unknown Quality
7a	On-Site	The use of salt has likely occurred on walkways and parking lot for vehicular and pedestrian safety.	Not Defined “C”- application of de-icing salts
7b	Phase One Surrounding Study Area	The use of salt has likely occurred on adjacent municipal roadways, and sidewalks for vehicular and pedestrian safety.	Not Defined “D”- application of de-icing salts
8	Municipal right-of-way – northeast adjacent to Site	Three modern concrete pad-mounted transformers were observed within the Phase One Study Area, located northeast of the Site.	55 – Transformer Manufacturing, Processing and Use

Reference Number	Location	Description	Schedule D – Table 2 – PCA Categories
9	3930/3960 Riverside Drive – approximately 50 m north of the Site and inferred cross-gradient to the Site.	Historical records from the ERIS aerial photographs has identified a former quarry located north of the Site. Substantial infilling of the Site was noted in the early 2000s.	30 – Importation of Fill Material of Unknown Quality
10	1 Hunt Club Road – approximately 125 m northeast of the Site and inferred cross/up-gradient to the Site.	Historical records from the ERIS city directory and aerial photographs have identified a golf course to be present to the northeast of the Site. Golf courses have the potential of pesticide use for maintenance purposes.	40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
11	1000 Riverside Drive- approximately 150 metres southeast of the Site and inferred cross-gradient of Site.	Aerial photographs identified an airport present southeast of the Site. Historical records did not identify any records of interest within the search radius for the PCA.	3 – Airstrips and Hangers Operation

The following PCAs identified during the Phase One Property Investigation are not considered to contribute to APECs, as described below:

- **Airstrips and Hangars Operation (PCA-3),** Approximately 150 m southeast of the Site and inferred to be cross-gradient to the Site. Based on the distance and inferred groundwater flow, this PCA is not considered to contribute to an APEC at the Site.
- **Importation of Fill Material of Unknown (Off-Site) (PCA-30),** Approximately 50 m north of the Site at 3930 Riverside Drive and inferred to be cross-gradient to the Site. Based on the review of available Phase II information available for the Site and inferred cross-gradient groundwater flow, this PCA is not considered to contribute to an APEC at the Site.
- **Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications (PCA-40),** Approximately 125 m northeast of the Site and inferred to be cross-gradient to the Site. Based on the distance and inferred groundwater flow, this PCA is not considered to contribute to an APEC at the Site.
- **Transformer, Manufacturing, Processing and Use (PCA-55),** Three transformers were located northeastern of the Site in the right-of-way. Based on the age of the transformer, no records of spills or evidence of spills during the Site reconnaissance, this PCA is not considered to contribute to an APEC at the Site.
- **Salt Use (Not Defined "C")**, Phase One Site. The use of salt was for vehicular and pedestrian safety. This PCA is exempt as per O.Reg.153/04 Section 49.1 (1) and is not considered to contribute to an APEC at the Site.

- **Salt Use (Not Defined "D")**, Phase One Study Surroundings. The use of salt was for vehicular and pedestrian safety. This PCA is exempt as per O.Reg.153/04 Section 49.1 (1) and is not considered to contribute to an APEC at the Site.

7.3 Areas of Potential Environmental Concern

Based on a review of the current and historical Site activities, surrounding properties, review of available records, and Site reconnaissance, SLR identified six APECs at the Subject Property. Identified APECs are included in **Table 11** below and shown in **Figure 4:**

Table 11: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)[1]	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (Onsite or Offsite)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater/ Soil/Sediment)
APEC 1	West and south portions of the Phase One Property - pump island and kiosk area	4 – Antifreeze and De-icing Manufacturing and Bulk Storage	On-site	Glycols	Soil, and groundwater
APEC 2	Pump island in North-central portion of Site	Not Defined "A"- Pump Island and Dispensers	On-site	PHCs; BTEX; PAHs (2 and 3 ringed) and select VOCs (n-hexane, MTBE).	Soil, and groundwater
APEC 3	Tank nest in the east centre portion of Site	28 - Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs; BTEX; PAHs (2 and 3 ringed) and select VOCs (n-hexane, MTBE).	Soil, and groundwater
APEC 4	Oil-water separator east-adjacent to car wash	Not Defined "B"- Oil-water separator	On-site	PHCs; BTEX; PAHs, Metals (including metal hydride forming); VOCs; Low and High pH and Glycols.	Soil, and groundwater
APEC 5	Car wash in the western portion of the Site	Not Defined "C"- car wash	On-site	PHCs; BTEX; PAHs, Metals (including metal hydride forming); VOCs; Low/High pH and Gycols.	Soil, and groundwater

Area of Potential Environmental Concern (APEC)[1]	Location of APEC on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (Onsite or Offsite)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater/ Soil/Sediment)
APEC 6	Entire Phase One Property	30 – Importation of Fill Material of Unknown Quality	On-site	PHCs; BTEX; PAHs; Metals (including hydride forming, Hg, Cr VI, B-HWS); Electrical Conductivity, Low and High pH and SAR.	Soil, and groundwater

1 APECs means the area on, in or under the Phase One Property where one or more contaminants are potentially present, as determined through the Phase One ESA, including through:

(a) identification of past or present uses on, in or under the Phase One Property, and

(b) identification of PCAs.

2 PCA obtained from Column A of Table 2 of Schedule D of O. Reg. 153/04 (as amended), unless otherwise noted.

3 Using the Method Groups as identified in the "Protocol for Analytical Methods Used in the Assessment of Properties under Park XV.1 of the Environmental Protection Act and Excess Soil Quality", published by the MECP and dated February 19, 2021 (The "Analytical Protocols") or based on industry best practices and quantity of potential contaminant used and stored (i.e., glycol is not listed in the Analytical Protocols)

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes; PHCs: Petroleum Hydrocarbons; PAHs: Polycyclic Aromatic Hydrocarbons; VOCs: Volatile Organic Compounds; Cr(VI): Hexavalent Chromium; B-HWS: Boron, Hot Water Soluble; Hg: Mercury; SAR: Sodium Adsorption Ratio; EC: Electrical Conductivity; MTBE: methyl ter-butyl ether and AS, Sb, Se: Arsenic, Antimony, Selenium (hydride forming metals)

7.4 Uncertainties

Aerial photographs/images provide a snapshot of potentially contaminating land uses or features present on the Phase One Property. There are uncertainties related to the use of the aerial photographs/images provided in historical reports, as the scale was not identified in several photographs/images. The quality of some aerial photographs/images may also not allow some features to be clearly identified. Professional judgment was used to relate the historical features identified in the aerial photographs/images to present day locations. The aerial photographs/images were generally used to assist in determining major renovations and building decommissioning.

Municipal addresses are known to change, and historical addresses may not necessarily have been in the same location as a property today with the same address. Best judgment was used to link historical municipal addresses from the City Directory to areas within the Phase One Property and Study Area; however, the accuracy of all addresses has not been confirmed. Maps and information provided in historical reports, as well as aerial photographs/images, were used in an effort to verify the current day location of historical addresses.

The individual interviewed as part of the Phase One ESA was selected based on their knowledge of the current and past activities at the Phase One Property, and their availability. Uncertainty related to the information provided by this individual, as some information could be based on personal opinion. Professional judgment was employed, and information provided in the interviews was corroborated with documented sources, where possible.

SLR conducted the Site visit and were provided full access to the Phase One ESA Property. During the Site visit SLR was unable to access the roof of the car wash or kiosk due to safety concerns. As noted above, part of the northeastern parking lot was obstructed by melting snow banks. Photographs and detailed notes were taken during the Site reconnaissance to document the current conditions of the Phase One Property and Phase One Study Area. The records review was completed before the Site reconnaissance to allow identified uncertainties related to the historical information to be verified in the field (where possible).

Determination of groundwater flow direction was based a review of topographical and hydrological features at the Phase One Property or within the Phase One Study Area. It is anticipated that the groundwater flows in an inferred west direction towards the Rideau River and eventually discharges in Ottawa River. Foundations, buried utilities/services, subsurface drainage (including septic) systems and zones of local, natural high permeability soils (sand seams/lenses and fissures), fractured bedrock and zones of buried rubble (concrete and building stone, metal) and dewatering proximal to the property may significantly alter groundwater movement. It is expected that groundwater levels would seasonally fluctuate, and groundwater levels may be different, if monitored at different points in time.

7.5 Phase One Conceptual Site Model

The conceptual Site model for the Site and surrounding properties was developed by evaluating the physical characteristics and pathways summarized as follows:

Table 12: Conceptual Site Model

Characteristic/ Pathway	Description
Potentially Contaminating Activities	12 PCA categories were identified within the Phase One Study Area including: • 3 – Airstrips and Hangers Operation; • 4 – Antifreeze and De-icing Manufacturing and Bulk Storage; • 28 – Gasoline and Associated Products Storage in Fixed Tanks; • 30 – Importation of Fill Material of Unknown Quality (on/off-site); • 40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications; • 55 – Transformer Manufacturing, Processing and Use; • Not Defined “A”- Pump Island and Dispensers. • Not Defined “B”- Oil-water separator; • Not Defined “C”- Car wash; • Not Defined “D” – application of de-icing salts (the Site); • Not Defined “E” – application of de-icing salts (the surrounding Site Area); Six PCAs were determined to be present an APEC for the Site: • 4 – Antifreeze and De-icing Manufacturing and Bulk Storage; • Not Defined “A”- Pump Island and Dispensers. • 28 – Gasoline and Associated Products Storage in Fixed Tanks (pump island and tank nest); • 30 – Importation of Fill Material of Unknown Quality (on-Site); • Not Defined “B”- Oil-water separator; and,

Characteristic/ Pathway	Description
	• Not Defined “C”- Car wash.
Area of Potential Environmental Concern	Six APECs were identified at the Site resulting from five onsite sources which located at the pump island, tank nest, oil-water separator, the car wash, and across the site (fill) .
Contaminants of potential concern	PHCs/BTEX, PAHs, VOCs, Metals, Glycols, and NOPs (Hg, CrVI, SAR, EC).
Water Bodies and Areas of Natural Significance	The nearest major water body is the Rideau River, located 90 metres from the Site. An unnamed drainage pond was located 85 metres southwest of the Site. No water bodies or natural drainage features were located on or within 30 metres of the Site. No areas of natural significant were observed on the Phase One property or within the Phase One Study Area. Part of the Site is governed under the regulation limit of the Rideau Valley Conversation Authority. Two municipal natural heritage features were identified 65 metres northwest and 75 metres southwest of the Site.
Underground utilities	The Site is serviced by underground hydro, natural gas, communication, storm sewers and sanitary sewers. Other infrastructure including underground piping and storage tanks located in the south-central portion of the Site. No plans were available for these utilities, and it is generally anticipated site utility services would be shallow. Based on the review of environmental reports for the Site and available water well records for the area, it is anticipated that the groundwater table would be deeper than the depth of the Site utilities. Therefore, it is unlikely utilities will affect contaminant distribution and transportation.
Groundwater Use	The Site and its surrounds (250 radius metres) are sourced by municipal water. Potable drinking water wells were not identified within the 250-metre search radius of the Site. Two water wells were noted beyond 250 metres northwest of the Site (ID: 1504330,1504118). The Site and its surroundings are not located in a source water protection zone. Two permits to take water were issued in the vicinity of the Site. These permits included one for construction dewatering (0375-CU5MMF – approximately 100 metres southwest of the Site) and irrigation (7742-AYBNMQ - approximately 325 metres northwest of the Site). The anticipated dewatering volumes were 1,000,000 and 3,326,400 litre/day.
Basements and Subsurface Features	No buildings with basements or other below-ground enclosures were identified adjacent to the Site. The surrounding properties are currently either vacant or for commercial use.
Geology	The OGS map indicates that surficial soils consisted predominantly of coarse-textured glaciomarine deposits, sand, gravel, minor silt and clay, foreshore and basinal deposits at most portions of the site, and older alluvial deposits, clay, silt, sand, gravel (may contain organic remains) at the western portion of the site. A review of available borehole records for the Site suggest that overburden is predominating coarse grained (sand or silty sand) to approximately 23 metres. At 23 metres a small confining silty clay occurs followed again by sand to around 25 metres, the maximum depth of the investigation.

Characteristic/ Pathway	Description
	The regional bedrock geology, as indicated on the OGS map, is characterized by dolostone, sandstone of Beekmantown Group. A review of previous reports for the Site suggest that bedrock was not encountered. As documented in WSP Golder (2022), bedrock was encountered in a borehole at 65 metres above sea level at BH-101 and at 60.8 m at 91-1. Accounting for grade changes between the properties, this suggests bedrock may be encountered at 35 to 40 mbgs at the Site.
Hydrogeology	Based on topographic information for the area, local groundwater flow is anticipated to be flow westward towards the Rideau River. A review of available environmental reports for the Site suggests groundwater was not encountered on the Site during the investigations that occurred in 2002 and 2003. Publicly available reports for the property located at 3930 Riverside Drive, suggest groundwater was encountered at varying depths though was encountered between 75 to 78 metres above sea level on the southernmost part of the property. Artesian conditions were also noted at one borehole location at 82 metres above sea level. This suggests groundwater may be encountered at between 18 to 25 mbgs on the Site.
Uncertainty	Local groundwater flow may be altered by the presence of underground utilities and presence of fill. Applicable dewatering in the vicinity of the Site may influence groundwater conditions at the Site.

Figures 1 to 4 present the details of the Site and surrounding properties, and indicate the following, where applicable:

- existing buildings and structures on the Site;
- water bodies on or within 250 m of the Site boundary;
- areas of natural significance;
- drinking water wells;
- identification of roads within 250 m of the Site boundary;
- adjacent property use;
- areas where potentially contaminating activities are conducted;
- current or former areas of potential environmental concern on the Site or surrounding properties;
- direction of inferred groundwater flow; and
- approximate location of underground utilities, if known.

Note that drinking water wells are not present at the Site and the locations of underground utility corridors on the Site are not known; therefore, these features are not presented on **Figures 1 and 2**.

8.0 Conclusions

Based on the findings of this Phase One ESA investigation, including the Site observations, a review of available historical records, and interviews, SLR identified six APECs at the Phase One Property and a Phase Two ESA would be required to assess soil and groundwater at the

property. It is our understanding that this Phase One ESA is required to support the submission of a site plan application with the City of Ottawa, further investigation is recommended due to the onsite PCA sources which may have adverse impacts to soil and/or groundwater on the entire Site. Soil, and groundwater investigation would be required to obtain municipal planning approval.

8.1 Signatures

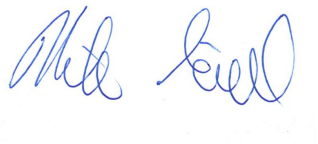
The Phase One ESA report was prepared by Shabnam Salimi and Matt Williamson. The findings and conclusion of this report have been reviewed by the undersigned Qualified Persons.

Regards,

SLR Consulting (Canada) Ltd.

Shabnam Salimi, M.Eng., EIT
Environmental Engineer in Training
ssalimi@slrconsulting.com

Matt Williamson, M.Sc., P.Geo., QP$_{ESA}$
Project Manager
mwilliamson@slrconsulting.com



Mike Grinnell, Eng.
Senior Project Manager
mgrinnell@slrconsulting.com

9.0 References

The following documents were used for reference during completion of this Phase One Environmental Site Assessment:

Regulations, Guides and Protocols:

"Designated Substances under Ontario Regulation 490/09", Queen's Print of Ontario. January 1, 2020.

"Guide for Completing Phase One Environmental Site Assessments under Ontario Regulation 153/04", Queen's Printer of Ontario. June 2011.

"Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04", Queen's Printer of Ontario. June 2011.

Ontario Regulation (O. Reg.) 153/04 – Records of Site Condition – Part XV.1 of the Act; last amendment: O. Reg. 362/23 on November 29, 2023.

"Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act", MECP, dated February 19, 2021.

"Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act", MECP, dated April 15, 2011.

Documents and Resources:

The Atlas of Canada interactive topographic maps from Natural Resources Canada obtained from http://atlas.nrcan.gc.ca/toporama/en/index.html.

Aerial photographs for the years 1930, 1945, 1953, 1989, and 2023 were obtained from ERIS, and satellite imagery from 1965, 1976, 1999, 2002, 2005, 2008, 2011, 2014 and 2017 were obtained from the GeoOttawa website **Error! Hyperlink reference not valid.**(https://maps.ottawa.ca/geoottawa/).

Canada Radon. Radon Potential Map Ontario. Available at Ontario Radon Map – Canada Radon. 2012.

City Directories provided by ERIS, dated February 05, 2024, and obtained via Vernon, Polk, Might, and Digital Business Directory

City of Ottawa Official Plan, as amended. Schedule 11S- Natural Hertiage System (West). Available at Schedule C11-A - Natural Heritage System (West) | Annexe C11-A - Système du patrimoine naturel (Ouest) (ottawa.ca).

City of Ottawa, Historic Land Use Inventory for 4000 Riverside Drive, Ottawa. March 22, 2024.

Environmental Site Registry for Record of Site Condition (RSC) Database. Available at Ontario Map Viewer (gov.on.ca).

ERIS Database Report prepared by Environmental Risk Information Services (ERIS), a division of Glacier Media Inc., dated April 3, 2024 including ERIS Ontario Base Mapping (surficial soils, bedrock etc.)

Historic Land Title search compiled by ERIS for PIN 04589-1660, on February 17, 2024.

Ministry of the Environment, Conservation and Parks (MECP). MECP FOI A-2024-01036-Record Release Letter. March 19, 2024a.

MECP. Map: Well Records. Available at https://www.ontario.ca/page/map-well-records. 2024b.

MECP. Source Protection Information Atlas. Available at Ministry of the Environment, Conservation and Parks (gov.on.ca). March 27, 2024c.

Ontario Landfill Sites Map. Available at Landfill sites map | ontario.ca . August 09, 2022.

Ontario Ministry of the Environment. Inventory of coal gasification plant waste sites in Ontario. 1987.

Opta Information Intelligence (Opta) Search Request for the Site and report dated January 30, 2024.

The Ontario Ministry of Natural Resources online Natural Heritage Map. Available at https://www.ontario.ca/page/make-natural-heritage-area-map.

Technical Standards and Safety Authority – Fuel Safety Division inquiries (March 19, 2024)

Title search was complied by ONLAND for PINs 04589-1660 and 04589-1659, on January 24 and March 27, 2024.

Reports:

"*Environmental Subsurface Investigation, 4000 Riverside Drive, Ottawa, Ontario" report,* prepared by Jacques, Whitford Environment Limited for Petro Canada, dated December 12, 2003.

"Geotechnical Investigation, 4000 Riverside Drive, Ottawa, Ontario" report, prepared by Jacques, Whitford and Associates Limited for Petro Canada, dated March 28, 2003.

"Geotechnical Investigation, 3930 and 3960 Riverside Drive, Ottawa, Ontario" report, prepared by WSP Canada for St. Mary's Land Corporation c/o Taggart Realty Management, dated September 28, 2003.

"*Phase I-II Environmental Site Assessment, Riverside Drive at Hunt Club Road, Ottawa, Ontario" report,* prepared by John D. Paterson and Associates Limited for 4059930 Canada Inc. c/o Novatech Engineering Consultants Limited., dated May 13, 2002.

"Phase One Environmental Site Assessment, Proposed Development At Riverside Drive and Hunt Club Road, Ottawa, Ontario" report, prepared by WSP Golder for Taggart Realty Management, dated December 2022.

"Phase Two Environmental Site Assessment, Proposed Development At Riverside Drive and Hunt Club Road, Ottawa, Ontario" report, prepared by WSP Golder for Taggart Realty Management, dated December 2022.

"*Preliminary Geotechnical Investigation, Riverside Drive at Hunt Club Road, Ottawa, Ontario" report,* prepared by John D. Paterson and Associates Limited for 4059930 Canada Inc. c/o Novatech Engineering Consultants Limited., dated May 24, 2002;

Figures

Phase One Environmental Site Assessment

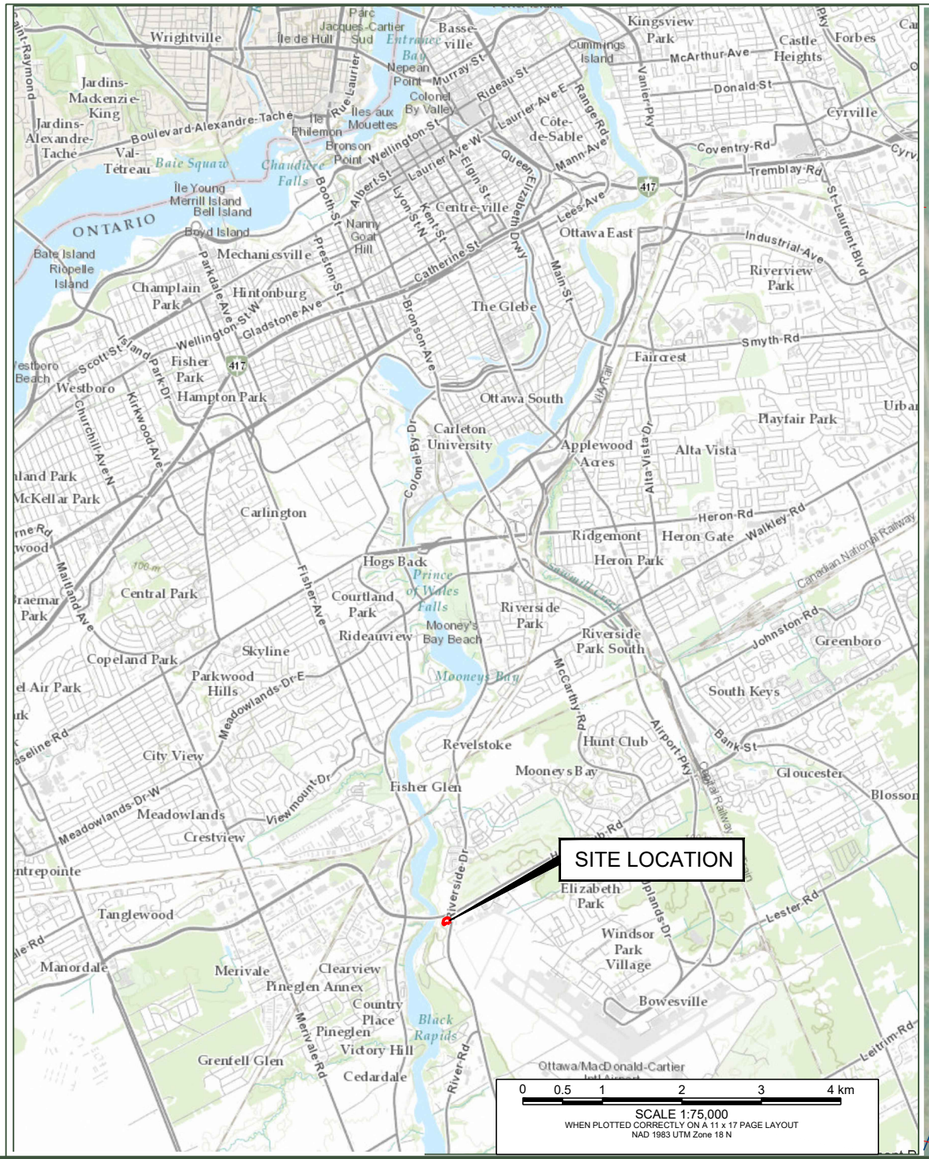
Active Petro-Canada Retail Fuel Outlet No. 35197

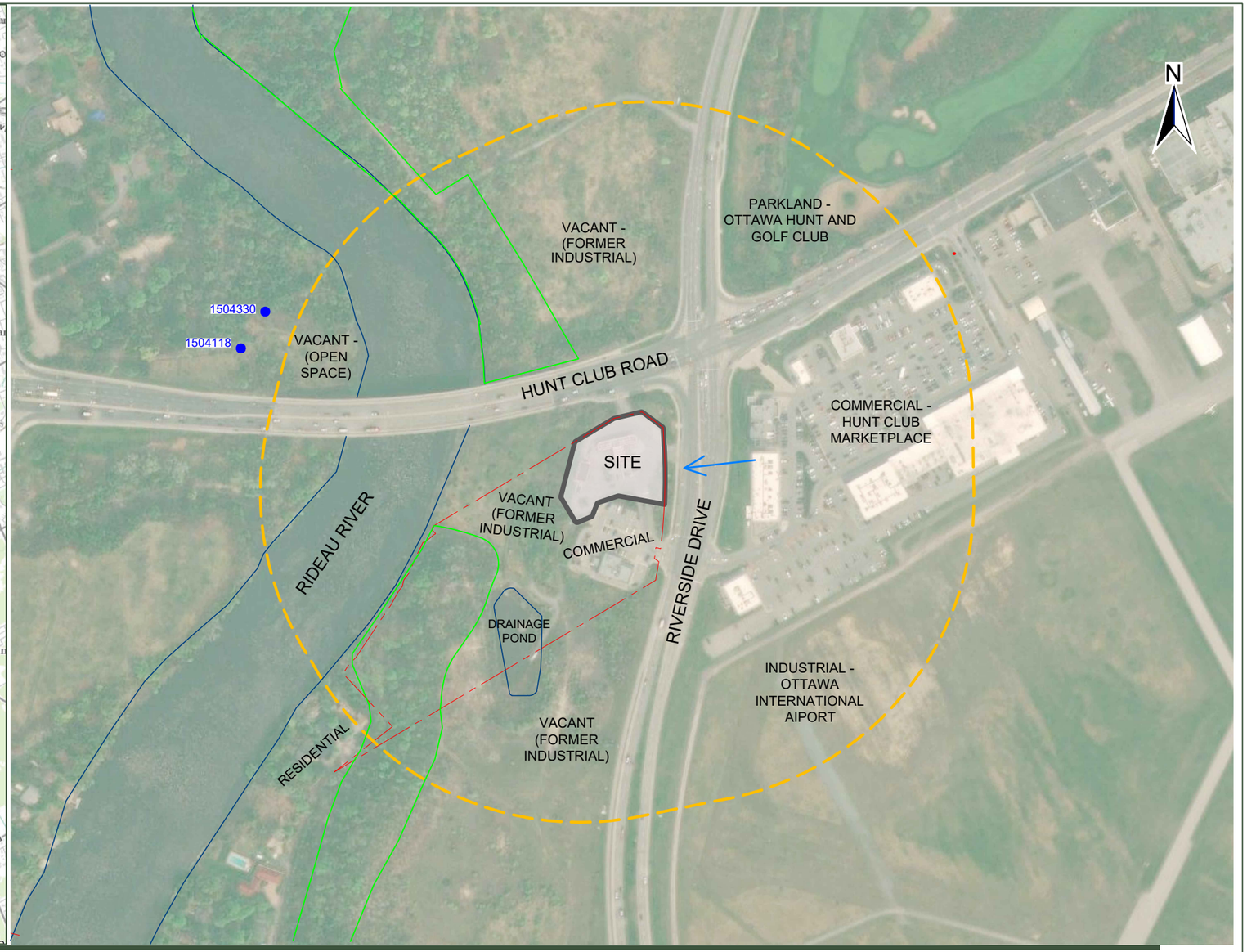
4000 Riverside Drive Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024





NOTES:

NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE NO, 24-10-007-04, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: LAND TITLE AND SURVEY AUTHORITY OF BRITISH COLUMBIA (PARCELMAP BC) (IMAGE DATE: 2023)

BASEDATA:
ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

LEGEND:

- PROPERTY BOUNDARY (PROPERTY IDENTIFICATION NUMBER: 04589-1660)
- SITE BOUNDARY (LEASE INSTRUMENT BOUNDARY - OC339605)
- PHASE ONE STUDY AREA BOUNDARY (250 m)
- WATER FEATURE
- MUNICIPAL NATURAL HERITAGE FEATURE
- INFERRED GROUNDWATER FLOW DIRECTION
- ONTARIO WATER WELL (DOMESTIC / WATER SUPPLY WELL)

0 25 50 100 150 200 250 m

SCALE 1:4,000
WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT
NAD 1983 UTM Zone 18 N

SUNCOR ENERGY PRODUCTS PARTNERSHIP
35197
4000 RIVERSIDE DRIVE
OTTAWA, ONTARIO

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

SITE LOCATION AND SURROUNDING LAND USE

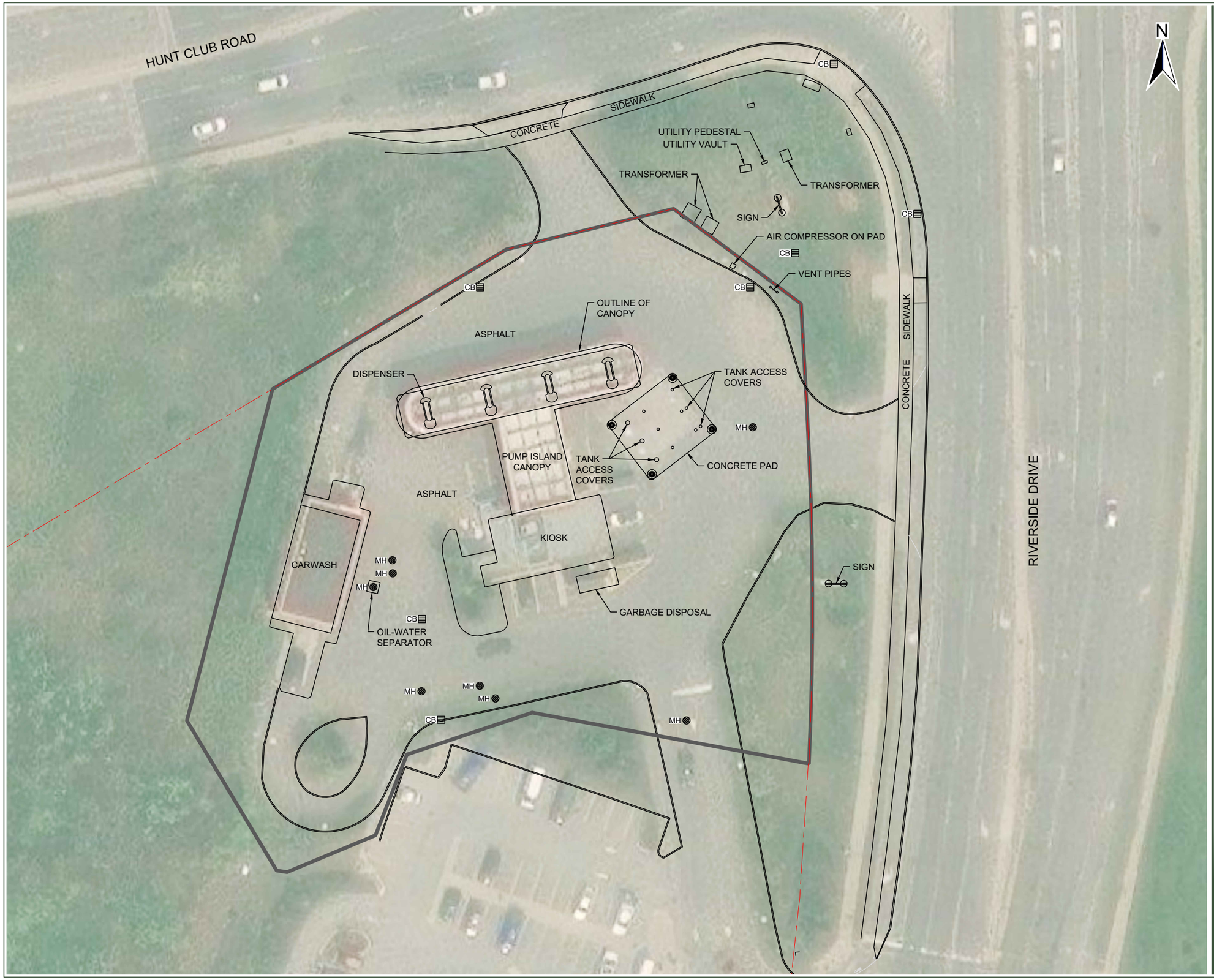
SLR

FIGURE NO: 1

DATE: April 17, 2024

PROJECT NO: 216.030059.00001

Cadfile name: S_216-030059-00001-A1.dwg



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- SITE BOUNDARY
- TANK NEST MONITORING WELL

UTILITIES AND SYMBOLS

- MH — MANHOLE
- CB — CATCH BASIN

NOTES:

NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE NO, 24-10-007-04, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: LAND TITLE AND SURVEY AUTHORITY OF BRITISH COLUMBIA (PARCELMAP BC) (IMAGE DATE: 2023)

0 5 10 20 30 m

SCALE 1:500

WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT

NAD 1983 UTM Zone 18 N

SUNCOR ENERGY PRODUCTS PARTNERSHIP
35197
4000 RIVERSIDE DRIVE
OTTAWA, ONTARIO

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

SITE PLAN (CURRENT)

SLR

FIGURE NO: **2**

DATE: April 17, 2024

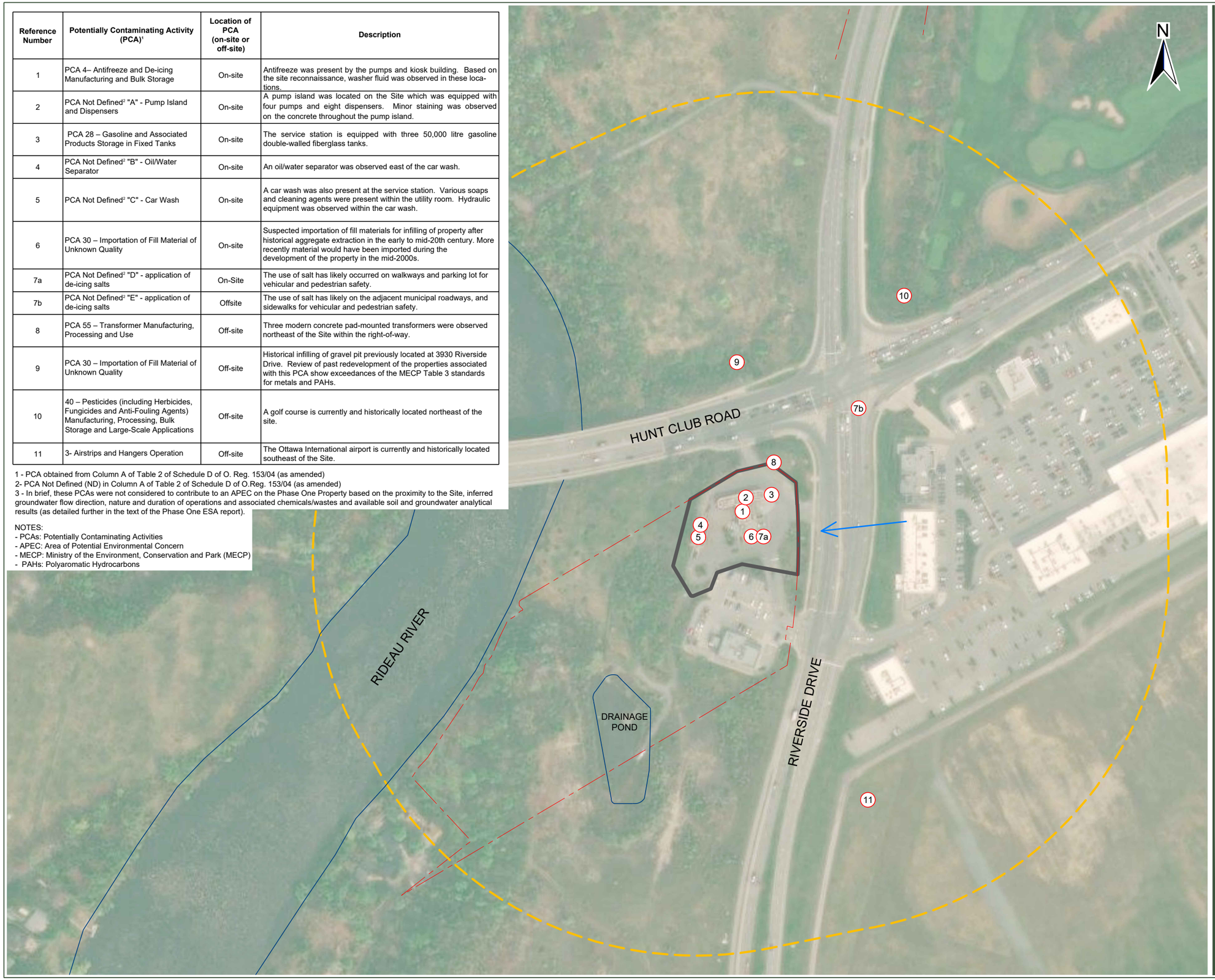
PROJECT NO: 216.030059.00001

Cadfile name: S_216-030059-00001-A1.dwg

Reference Number	Potentially Contaminating Activity (PCA)[1]	Location of PCA (on-site or off-site)	Description
1	PCA 4– Antifreeze and De-icing Manufacturing and Bulk Storage	On-site	Antifreeze was present by the pumps and kiosk building. Based on the site reconnaissance, washer fluid was observed in these locations.
2	PCA Not Defined[2] "A" - Pump Island and Dispensers	On-site	A pump island was located on the Site which was equipped with four pumps and eight dispensers. Minor staining was observed on the concrete throughout the pump island.
3	PCA 28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	The service station is equipped with three 50,000 litre gasoline double-walled fiberglass tanks.
4	PCA Not Defined[2] "B" - Oil/Water Separator	On-site	An oil/water separator was observed east of the car wash.
5	PCA Not Defined[2] "C" - Car Wash	On-site	A car wash was also present at the service station. Various soaps and cleaning agents were present within the utility room. Hydraulic equipment was observed within the car wash.
6	PCA 30 – Importation of Fill Material of Unknown Quality	On-site	Suspected importation of fill materials for infilling of property after historical aggregate extraction in the early to mid-20th century. More recently material would have been imported during the development of the property in the mid-2000s.
7a	PCA Not Defined[2] "D" - application of de-icing salts	On-Site	The use of salt has likely occurred on walkways and parking lot for vehicular and pedestrian safety.
7b	PCA Not Defined[2] "E" - application of de-icing salts	Offsite	The use of salt has likely on the adjacent municipal roadways, and sidewalks for vehicular and pedestrian safety.
8	PCA 55 – Transformer Manufacturing, Processing and Use	Off-site	Three modern concrete pad-mounted transformers were observed northeast of the Site within the right-of-way.
9	PCA 30 – Importation of Fill Material of Unknown Quality	Off-site	Historical infilling of gravel pit previously located at 3930 Riverside Drive. Review of past redevelopment of the properties associated with this PCA show exceedances of the MECP Table 3 standards for metals and PAHs.
10	40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	Off-site	A golf course is currently and historically located northeast of the site.
11	3- Airstrips and Hangers Operation	Off-site	The Ottawa International airport is currently and historically located southeast of the Site.

1 - PCA obtained from Column A of Table 2 of Schedule D of O. Reg. 153/04 (as amended)
2- PCA Not Defined (ND) in Column A of Table 2 of Schedule D of O.Reg. 153/04 (as amended)
3 - In brief, these PCAs were not considered to contribute to an APEC on the Phase One Property based on the proximity to the Site, inferred groundwater flow direction, nature and duration of operations and associated chemicals/wastes and available soil and groundwater analytical results (as detailed further in the text of the Phase One ESA report).

NOTES:
- PCAs: Potentially Contaminating Activities
- APEC: Area of Potential Environmental Concern
- MECP: Ministry of the Environment, Conservation and Park (MECP)
- PAHs: Polyaromatic Hydrocarbons



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- SITE BOUNDARY
- PHASE ONE STUDY AREA BOUNDARY (250 m)
- INFERRED GROUNDWATER FLOW DIRECTION
- (#) POTENTIALLY CONTAMINATING ACTIVITY (PCA)

NOTES:
NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE NO, 24-10-007-04, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: LAND TITLE AND SURVEY AUTHORITY OF BRITISH COLUMBIA (PARCELMAP BC) (IMAGE DATE: 2023)

0 25 50 100 150 m

SCALE 1:2,500
WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT
NAD 1983 UTM Zone 18 N

SUNCOR ENERGY PRODUCTS PARTNERSHIP
35197
4000 RIVERSIDE DRIVE
OTTAWA, ONTARIO

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

SITE PLAN AND POTENTIAL CONTAMINATING ACTIVITY

SLR

FIGURE NO:
3

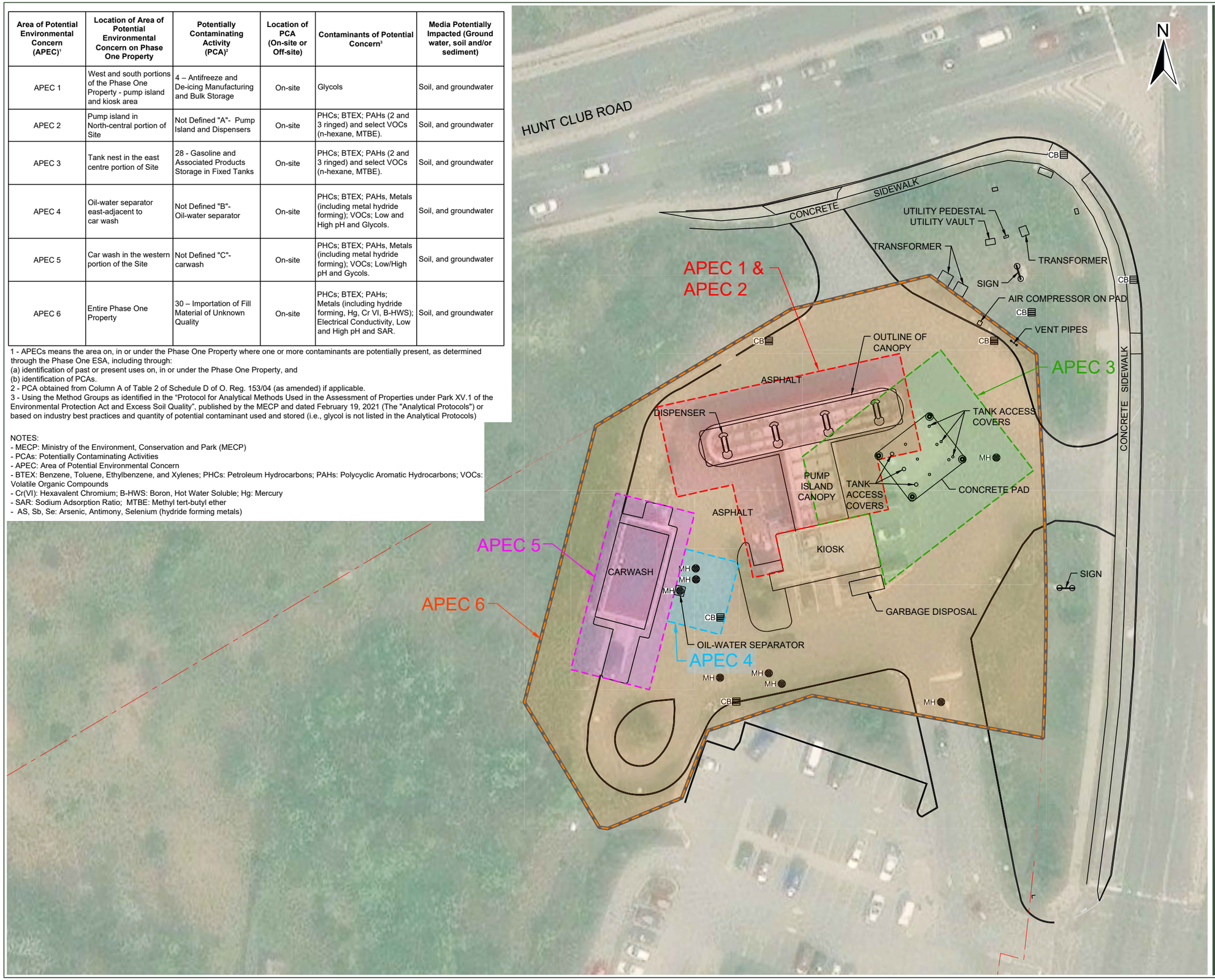
DATE: April 17, 2024
PROJECT NO: 216.030059.00001

Cadfile name: S_216-030059-00001-A1.dwg

Area of Potential Environmental Concern (APEC)[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity (PCA)[2]	Location of PCA (On-site or Off-site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC 1	West and south portions of the Phase One Property - pump island and kiosk area	4 – Antifreeze and De-icing Manufacturing and Bulk Storage	On-site	Glycols	Soil, and groundwater
APEC 2	Pump island in North-central portion of Site	Not Defined "A"- Pump Island and Dispensers	On-site	PHCs; BTEX; PAHs (2 and 3 ringed) and select VOCs (n-hexane, MTBE).	Soil, and groundwater
APEC 3	Tank nest in the east centre portion of Site	28 - Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs; BTEX; PAHs (2 and 3 ringed) and select VOCs (n-hexane, MTBE).	Soil, and groundwater
APEC 4	Oil-water separator east-adjacent to car wash	Not Defined "B"- Oil-water separator	On-site	PHCs; BTEX; PAHs, Metals (including metal hydride forming); VOCs; Low and High pH and Glycols.	Soil, and groundwater
APEC 5	Car wash in the western portion of the Site	Not Defined "C"- carwash	On-site	PHCs; BTEX; PAHs, Metals (including metal hydride forming); VOCs; Low/High pH and Gycols.	Soil, and groundwater
APEC 6	Entire Phase One Property	30 – Importation of Fill Material of Unknown Quality	On-site	PHCs; BTEX; PAHs; Metals (including hydride forming, Hg, Cr VI, B-HWS); Electrical Conductivity, Low and High pH and SAR.	Soil, and groundwater

1 - APECs means the area on, in or under the Phase One Property where one or more contaminants are potentially present, as determined through the Phase One ESA, including through:
(a) identification of past or present uses on, in or under the Phase One Property, and
(b) identification of PCAs.
2 - PCA obtained from Column A of Table 2 of Schedule D of O. Reg. 153/04 (as amended) if applicable.
3 - Using the Method Groups as identified in the "Protocol for Analytical Methods Used in the Assessment of Properties under Park XV.1 of the Environmental Protection Act and Excess Soil Quality", published by the MECP and dated February 19, 2021 (The "Analytical Protocols") or based on industry best practices and quantity of potential contaminant used and stored (i.e., glycol is not listed in the Analytical Protocols)

NOTES:
- MECP: Ministry of the Environment, Conservation and Park (MECP)
- PCAs: Potentially Contaminating Activities
- APEC: Area of Potential Environmental Concern
- BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes; PHCs: Petroleum Hydrocarbons; PAHs: Polycyclic Aromatic Hydrocarbons; VOCs: Volatile Organic Compounds
- Cr(VI): Hexavalent Chromium; B-HWS: Boron, Hot Water Soluble; Hg: Mercury
- SAR: Sodium Adsorption Ratio; MTBE: Methyl tert-butyl ether
- AS, Sb, Se: Arsenic, Antimony, Selenium (hydride forming metals)



LEGEND:

- APPROXIMATE PROPERTY BOUNDARY
- SITE BOUNDARY
- APPROXIMATE AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)
  - APEC 1 AND 2
  - APEC 3
  - APEC 4
  - APEC 5
  - APEC 6
- UTILITIES AND SYMBOLS
  - MH MANHOLE
  - CB CATCH BASIN

NOTES:
NOT A LEGAL SURVEY. DO NOT USE FOR CONSTRUCTION.

REFERENCED FROM: JD BARNES PLAN OF SURVEY WITH TOPOGRAPHC DETAILS OF PART OF LOT 6, CONCESSION 2 (RIDEAU FRONT) REFERENCE NO, 24-10-007-04, SERVICE ONTARIO PROPERTY INDEX MAP, OTTAWA-CARLETON (No. 4) AND SITE RECONNAISSANCE INFORMATION.

IMAGERY: LAND TITLE AND SURVEY AUTHORITY OF BRITISH COLUMBIA (PARCELMAP BC) (IMAGE DATE: 2023)

0 5 10 20 30 m

SCALE 1:600
WHEN PLOTTED CORRECTLY ON A 11 x 17 PAGE LAYOUT
NAD 1983 UTM Zone 18 N

SUNCOR ENERGY PRODUCTS PARTNERSHIP
35197
4000 RIVERSIDE DRIVE
OTTAWA, ONTARIO

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

SITE PLAN AND AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

SLR

FIGURE NO: **4**

DATE: April 17, 2024

PROJECT NO: 216.030059.00001

Cadfile name: S_216-030059-00001-A1.dwg

Appendix A Supporting Documents

Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197

4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024

ERIS

CITY DIRECTORY

Project Property:	*Huntclub* *Huntclub* *Ottawa,ON*
Project No:	
Requested By:	*SLR Consulting (Canada) Ltd.*
Order No:	*24012300811*
Date Completed:	*February 05, 2024*

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

February 05, 2024
RE: CITY DIRECTORY RESEARCH
Huntclub
Ottawa,ON

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

Search Criteria:
1000 of Airport Parkway Private
1-230 of Hunt Club Road
2150-2175 of Prince of Wales Drive
3860-4120 of Riverside Drive
1-15 of Waterbend Lane
Search Notes:

Search Results Summary

Data from 2012 to 2021 does not include residential information

Date	Source	Comment
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006-2007	VERNONS	
2000	POLKS	
1993-1994	POLKS	
1987	MIGHTS	
1981-1982	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1966	MIGHTS	
1960	MIGHTS	

2021 AIRPORT PARKWAY PRIVATE

SOURCE: DIGITAL BUSINESS DIRECTORY

1000	**BOOSTER JUICE**...*FOODS-CARRY OUT*
1000	**CANADIAN NORTH AIRLINE**...*AIRCRAFT CHARTER RENTAL & LEASING SVC*
1000	**COVENTRY CONNECTIONS TAXI**...*TAXICABS & TRANSPORTATION SERVICE*
1000	**DISCOVER OTTAWA**...*GIFT SHOPS*
1000	**EXCHANGE CORP CANADA INC**...*REAL ESTATE LOANS*
1000	**FOREIGN EXCHANGE**...*RESTAURANTS*
1000	**GREAT CANADIAN BOOK CO**...*BOOK DEALERS-RETAIL*
1000	**HARVEY'S**...*FOODS-CARRY OUT*
1000	**IMPARK**...*PARKING STATIONS & GARAGES*
1000	**METAL SMITHS STERLING**...*JEWELERS-RETAIL*
1000	**OTTAWA INTERNATIONAL AIRPORT**...*AIRPORT SERVICES*
1000	**PARS 2000**...*WRECKER SERVICE*
1000	**RELAY-BYTOWN MARCHE**...*CONVENIENCE STORES*
1000	**STARBUCKS**...*COFFEE & TEA*
1000	**SUBWAY**...*FOODS-CARRY OUT*
1000	**SWISSPORT CANADA HANDLING INC**...*MECHANICAL CONTRACTORS*

2021 HUNT CLUB ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1	**HARVEY'S**...*FOODS-CARRY OUT*
1	**HONG KONG CHINESE FOOD TAKEOUT**...*FOODS-CARRY OUT*
1	**OTTAWA HUNT GOLF CLUB LTD**...*GOLF PRACTICE RANGES*
103	**NICE FOR YOU**...*MANICURING*
214	**SECOND CUP**...*COFFEE SHOPS*
218	**FEI YAN-TD FINANCIAL PLANNER**...*INVESTMENTS*
218	**TD CANADA TRUST**...*REAL ESTATE LOANS*
220	**CANADIAN AIRMOTIVE**...*PLUMBING CONTRACTORS*
220	**COMPETITIVE INSIGHTS INC**...*FEDERAL GOVERNMENT CONTRACTORS*
220	**MAGELLAN ENGINEERING CONSLNTS**...*ENGINEERS*
222	**SBARRO**...*FOODS-CARRY OUT*
222	**SHAWARMA PLANET**...*FOODS-CARRY OUT*
224	**C SUN**...*GIFT SHOPS*
224	**DESJARDINS**...*FEDERAL GOVERNMENT CONTRACTORS*
224	**LAURIER OPTICAL**...*OPTICIANS*
224	**LIU DENTAL CENTRES**...*DENTISTS*
224	**MIDEARTH TRAVEL INC**...*TRAVEL AGENCIES & BUREAUS*
224	**MOBILENET PLUS**...*NONCLASSIFIED ESTABLISHMENTS*
224	**NOIR SALON DAY SPA INC**...*PATIO & DECK BUILDERS*
224	**NUTRITION IQ**...*NUTRITIONISTS*
224	**T T SUPERMARKET**...*GROCERS-RETAIL*
224	**TDJ LAW**...*ASSOCIATIONS*
224	**TONY YAU INS AGENCY INC**...*INSURANCE*
224	**TRI OPTICAL**...*OPTICIANS*
224	**VITA PHARMACY**...*PHARMACIES*
224	**Y-NOT**...*GIFT SHOPS*
228	**ANYTIME FITNESS**...*HEALTH & FITNESS PROGRAM CONSULTANTS*
228	**BABY EN ROUTE**...*BABY ACCESSORIES*
228	**COMEFROMCHINA.COM**...*FEDERAL GOVERNMENT CONTRACTORS*
228	**DOLLARAMA**...*VARIETY STORES*
228	**GLOBAL PET FOODS**...*FEDERAL GOVERNMENT CONTRACTORS*
228	**ZICHAN INTERNATIONAL ARTS SCH**...*CHILDBIRTH EDUCATION*

2021 PRINCE OF WALES DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2162 **CIRCLE K**...*ALTERNATIVE FUELS*
2162 **DIAMOND MANAGEMENT LTD**...*GENERAL CONTRACTORS*
2162 **TIM HORTONS**...*COFFEE SHOPS*

2021 RIVERSIDE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3967 **MOXIE'S GRILL BAR**...*RESTAURANTS*
3987 **CO-OPERATORS**...*INSURANCE*
3987 **PHO THU DO**...*FOODS-CARRY OUT*
3987 **RIDEAU RIVER ANIMAL HOSPITAL**...*ANIMAL HOSPITALS*
3987 **SUBWAY**...*FOODS-CARRY OUT*
3993 **BAMBU RESTAURANT**...*FOODS-CARRY OUT*
4000 **PETRO-CANADA**...*ALTERNATIVE FUELS*
4010 **ST-HUBERT**...*FOODS-CARRY OUT*
4010 **ST-HUBERT EXPRESS**...*FOODS-CARRY OUT*

2021 WATERBEND LANE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2017 AIRPORT PARKWAY PRIVATE

SOURCE: DIGITAL BUSINESS DIRECTORY

1000	**AEROGUARD EASTERN LTD**...*SECURITY GUARDS & PATROL SVCS*
1000	**AEROMAG 2000 YOW**...*ALL OTHER MOTOR VEHICLE DEALERS*
1000	**AEROPORT INTERNATIONAL OTTAWA**...*AIRPORTS, FLYING FIELDS, & SERVICES*
1000	**AVIATION INTERFAITH MINISTRIES**...*RELIGIOUS ORGANIZATION*
1000	**BEARSKIN AIRLINES**...*SCHEDULED PASSENGER AIR TRANSPORTATION*
1000	**BENTLEY LEATHERS LUGGAGE**...*LUGGAGE & LEATHER GOODS STORES*
1000	**BROOKSTONE**...*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**CANADIAN NORTH**...*SCHEDULED PASSENGER AIR TRANSPORTATION*
1000	**DISCOVER OTTAWA**...*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**DUTY-FREE OTTAWA AIRPORT**...*STORE RETAILERS NOT SPECIFIED ELSEWHERE*
1000	**FOREIGN EXCHANGE**...*COMMODITY CONTRACTS DEALING*
1000	**GOOD EARTH CAFES LTD**...*CAFES*
1000	**GREAT CANADIAN BOOK STORE**...*BOOK STORES*
1000	**HARVEY'S**...*FULLSERVICE RESTAURANTS*
1000	**HDS RETAIL NORTH AMERICA**...*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**HILLARY CLEANERS**...*DRYCLEANING & LAUNDRY SVCS*
1000	**HOME TEAM SPORTS**...*SPORTING GOODS STORES*
1000	**IAMAW LODGE 2323**...*UNCLASSIFIED*
1000	**IMPARK**...*PARKING LOTS & GARAGES*
1000	**IMPERIAL PARKING**...*PARKING LOTS & GARAGES*
1000	**L S TRAVEL RETAIL NORTH AMER**...*COMPUTER & SOFTWARE STORES*
1000	**METAL SMITHS STERLING**...*JEWELERS-RETAIL*
1000	**NUMBER 10 MINUTE MANICURE**...*NAIL SALONS*
1000	**OBJETS TROUVES OU PERDUS**...*ALL OTHER INFORMATION SVCS*
1000	**OTTAWA AIRPORT SHUTTLE**...*ALL OTHER GROUND PASSENGER TRANSPORTATION*
1000	**OTTAWA INTERNATIONAL AIRPORT**...*AIRPORTS, FLYING FIELDS, & SERVICES*
1000	**OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY**...*AIRPORTS, FLYING FIELDS, & SERVICES*
1000	**OTTAWA NATIONAL AIRPORT**...*OTHER AIRPORT OPERATIONS*
1000	**PARS**...*OTHER SPECIALIZED TRUCKING, LONGDISTANCE*
1000	**PCL CONSTRUCTORS CANADA INC**...*NEW SINGLEFAMILY GENERAL CONTRS*
1000	**RELAY-BYTOWN MARCHE**...*SUPERMARKETS & OTHER GROCERY STORES*
1000	**RELAY-DISCOVER OTTAWA**...*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**SAVOUR**...*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**SERVICEAIR**...*ELECTRICAL CONTRS*
1000	**SWISSPORT CANADA HANDLING INC**...*SCHEDULED FREIGHT AIR TRANSPORTATION*
1000	**TSN INC**...*UNCLASSIFIED*
1000	**US CUSTOMS BORDER PROTCTN**...*LEGISLATIVE BODIES*
1000	**WESTJET AIRLINES**...*SCHEDULED PASSENGER AIR TRANSPORTATION*
1000	**WORLDWIDE FLIGHT SVC**...*OTHER SUPPORT ACTIVITIESAIR TRANSPORTATION*
1000	**YOW AIRPORTER SHUTTLE**...*CHARTER BUS INDUSTRY*

2017 HUNT CLUB ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1	**OTTAWA HUNT & GOLF CLUB LTD**	*GOLF COURSES & COUNTRY CLUBS*
214	**SECOND CUP**	*SNACK & NONALCOHOLIC BEVERAGE BARS*
218	**FEI YAN-TD FINANCIAL PLANNER**	*FINANCIAL PLANNING CONSULTANTS*
218	**TD CANADA TRUST**	*COMMERCIAL BANKING*
220	**CANADIAN AIRMOTIVE AVIONICS**	*ALL OTHER MOTOR VEHICLE DEALERS*
220	**LIMESTONE DEVELOPMENTS**	*UNCLASSIFIED*
220	**OAS ECOLE DE PILOTAGE**	*FLIGHT TRAINING*
222	**SBARRO**	*RESTAURANTS*
222	**SHAWARMA PLANTE**	*RESTAURANTS*
224	**JUST JUNK**	*RECYCLABLE MATERIAL MERCHANT WHOLS*
224	**MID EARTH TRAVEL INC**	*TRAVEL, RECREATION, AND LEISURE*
224	**NOIR SALON DAY SPA INC**	*BEAUTY SALONS*
224	**POSTNET**	*DIRECT MAIL ADVERTISING*
224	**T T SUPERMARKET**	*SUPERMARKETS & OTHER GROCERY STORES*
224	**TONY YAU INSURANCE AGENCY INC**	*INSURANCE AGENCIES & BROKERAGES*
224	**TRI OPTICAL**	*OPTICAL GOODS STORES*
224	**VITA PHARMACY**	*PHARMACIES & DRUG STORES*
224	**Y-NOT 224 HUNT CLUB RD**	*GIFT, NOVELTY, & SOUVENIR STORES*
228	**ANYTIME FITNESS**	*HEALTH CLUBS STUDIOS & GYMNASIUMS*
228	**DOLLARAMA**	*ALL OTHER GENERAL MERCHANDISE STORES*
228	**ZICHAN INTERNATIONAL ARTS SCH**	*ART INSTRUCTION & SCHOOLS*

2017 PRINCE OF WALES DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2162	**ESSO PRINCE OF WALES**	*CONVENIENCE STORES*
2162	**HWY 16 ON THE RUN**	*CONVENIENCE STORES*
2162	**TIM HORTONS**	*SNACK & NONALCOHOLIC BEVERAGE BARS*

2017 RIVERSIDE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3967 **MOXIE'S GRILL BAR**...*FULL-SERVICE RESTAURANTS*
3987 **CO-OPERATORS INSURANCE**...*INSURANCE AGENCIES & BROKERAGES*
3987 **SUBWAY**...*LIMITEDSERVICE RESTAURANTS*
4000 **DIGITAL ELECTRIC INC**...*ELECTRICAL CONTRS*
4000 **PETRO-CANADA**...*OTHER GASOLINE STATIONS*
4010 **ST-HUBERT EXPRESS**...*FULLSERVICE RESTAURANTS*

2017 WATERBEND LANE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2012 AIRPORT PARKWAY PRIVATE

SOURCE: DIGITAL BUSINESS DIRECTORY

1000	**AVIATION INTERFAITH MINISTRIES**	*RELIGIOUS ORGANIZATION*
1000	**BEARSKIN AIRLINES**	*SCHEDULED PASSENGER AIR TRANSPORTATION*
1000	**DISCOVER OTTAWA**	*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**GREAT CANADIAN BOOK STORE**	*BOOK STORES*
1000	**HDS RETAIL NORTH AMERICA**	*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**HILLARY CLEANERS**	*DRYCLEANING & LAUNDRY SVCS*
1000	**HMSHOST**	*FULL-SERVICE RESTAURANTS*
1000	**HOME TEAM SPORTS**	*OTHER CLOTHING STORES*
1000	**ICE WINE STORE**	*BEER, WINE, & LIQUOR STORES*
1000	**IMPERIAL PARKING**	*PARKING LOTS & GARAGES*
1000	**NUMBER 10 MINUTE MANICURE**	*NAIL SALONS*
1000	**OTTAWA AIRPORT SHUTTLE**	*ALL OTHER GROUND PASSENGER TRANSPORTATION*
1000	**OTTAWA INTL AIRPORT-YOW**	*OTHER AIRPORT OPERATIONS*
1000	**OTTAWA NATIONAL AIRPORT**	*OTHER AIRPORT OPERATIONS*
1000	**PARS**	*OTHER SPECIALIZED TRUCKING, LONG-DISTANCE*
1000	**RELAY-BYTOWN MARCHE**	*CONVENIENCE STORES*
1000	**RELAY-DISCOVER OTTAWA**	*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**SAVOUR**	*GIFT, NOVELTY, & SOUVENIR STORES*
1000	**TSN INC**	*UNCLASSIFIED*
1000	**US CUSTOMS & BORDER PROTCTN**	*LEGISLATIVE BODIES*
1000	**WESTJET AIRLINES**	*SCHEDULED PASSENGER AIR TRANSPORTATION*
1000	**ZOINK-TOYS**	*GIFT, NOVELTY, & SOUVENIR STORES*

2012 HUNT CLUB ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1	**OTTAWA HUNT & GOLF CLUB LTD**	*GOLF COURSES & COUNTRY CLUBS*
80	**ELITE CLEANERS-OTTAWA**	*DRYCLEANING & LAUNDRY SVCS*
220	**CANADIAN AIRMOTIVE AVIONICS**	*ALL OTHER MOTOR VEHICLE DEALERS*
220	**LIMESTONE DEVELOPMENTS**	*UNCLASSIFIED*
220	**OAS FLIGHT TRAINING**	*FLIGHT TRAINING*

2012 PRINCE OF WALES DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2162 **DIAMOND MANAGEMENT LTD**...*NEW SINGLE-FAMILY GENERAL CONTRS*
2162 **ESSO PRINCE OF WALES**...*RELIGIOUS ORGANIZATION*
2162 **TIM HORTONS**...*SNACK & NONALCOHOLIC BEVERAGE BARS*

2012 RIVERSIDE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

4000 **DIGITAL ELECTRIC INC**...*ELECTRICAL CONTRS*
4000 **PETRO CANADA**...*OTHER GASOLINE STATIONS*

2012 WATERBEND LANE

SOURCE: DIGITAL BUSINESS DIRECTORY

NO LISTING FOUND

2006-2007 AIRPORT PARKWAY PRIVATE

SOURCE: VERNONS

1000	**CANADIAN NORTH AIRLINE**
1000	**IANAW LODGE 2323**
1000	**OTTAWA AIRPORT SHUTTLE**
1000	**TSN INC**

2006-2007 HUNT CLUB ROAD

SOURCE: VERNONS

220	**CANADIAN AIRMOTIVE AVONICS LTD**
220	**CANADIAN AIRMOTIVE LTD**
220	**OTTAWA AVIATION SERVICES**

2006-2007 PRINCE OF WALES DRIVE

SOURCE: VERNONS

2161	**RESIDENTIAL (1 TENANT)**
2162	**ESSO PRINCE OF WALES**
2164	**BERKIM CONSTRUCTION**

2006-2007 RIVERSIDE DRIVE

SOURCE: VERNONS

4000 **DIGITAL ELECTRIC INC**
4120 **MULTI TENANT RESIDENTIAL**

2006-2007 WATERBEND LANE

SOURCE: VERNONS

1-15 **ALL RESIDENTIAL**

2000 AIRPORT PARKWAY PRIVATE

SOURCE: POLKS

1000 **STREET NOT LISTED**

2000 HUNT CLUB ROAD

SOURCE: POLKS

220 **CANADIAN AIRMOTIVE LTD**
220 **OTTAWA AVIATION SERVICES**

2000 PRINCE OF WALES DRIVE

SOURCE: POLKS

2151 **RESIDENTIAL (1 TENANT)**
2161 **RESIDENTIAL (1 TENANT)**

2000 RIVERSIDE DRIVE

SOURCE: POLKS

4120 **MULTI TENANT RESIDENTIAL**

2000 WATERBEND LANE

SOURCE: POLKS

1-15 **ALL RESIDENTIAL**

1993-1994 AIRPORT PARKWAY PRIVATE

SOURCE: POLKS

1000 **STREET NOT LISTED**

1993-1994 HUNT CLUB ROAD

SOURCE: POLKS

1-230 **NO LISTINGS WITHIN RADIUS**

1993-1994 PRINCE OF WALES DRIVE

SOURCE: POLKS

2161 **RESIDENTIAL (1 TENANT)**

1993-1994 RIVERSIDE DRIVE

SOURCE: POLKS

4000 **DRISCOLL SNOW REMOVAL**

1993-1994 WATERBEND LANE

SOURCE: POLKS

1-15 **STREET NOT LISTED**

1987 AIRPORT PARKWAY PRIVATE

SOURCE: MIGHTS

1000 **STREET NOT LISTED**

1987 HUNT CLUB ROAD

SOURCE: MIGHTS

1-230 **NO LISTINGS WITHIN RADIUS**

1987 PRINCE OF WALES DRIVE

SOURCE: MIGHTS

2150-2175 **NO LISTINGS WITHIN RADIUS**

1987 RIVERSIDE DRIVE

SOURCE: MIGHTS

3860-4120 **NO LISTINGS WITHIN RADIUS**

1987 WATERBEND LANE

SOURCE: MIGHTS

1-15 **STREET NOT LISTED**

1981-1982 AIRPORT PARKWAY PRIVATE

SOURCE: MIGHTS

1000 **STREET NOT LISTED**

1981-1982 HUNT CLUB ROAD

SOURCE: MIGHTS

1-230 **NO LISTINGS WITHIN RADIUS**

1981-1982 PRINCE OF WALES DRIVE

SOURCE: MIGHTS

2150-2175 **NO LISTINGS WITHIN RADIUS**

1981-1982 RIVERSIDE DRIVE

SOURCE: MIGHTS

4000 **PINELAND GO KART & MINI GOLF**
4000 **TUDOR HALL**

1981-1982 WATERBEND LANE

SOURCE: MIGHTS

1-15 **STREET NOT LISTED**

1976 AIRPORT PARKWAY PRIVATE

SOURCE: MIGHTS

1000 **STREET NOT LISTED**

1976 HUNT CLUB ROAD

SOURCE: MIGHTS

1-230 **NOT LISTINGS WITHIN RADIUS**

1976 PRINCE OF WALES DRIVE

SOURCE: MIGHTS

2150-2175 **NOT LISTINGS WITHIN RADIUS**

1976 RIVERSIDE DRIVE

SOURCE: MIGHTS

3860-4120 **NOT LISTINGS WITHIN RADIUS**

1976 WATERBEND LANE

SOURCE: MIGHTS

1-15 **STREET NOT LISTED**

1971 AIRPORT PARKWAY PRIVATE

SOURCE: MIGHTS

1000 **STREET NOT LISTED**

1971 HUNT CLUB ROAD

SOURCE: MIGHTS

1-230 **NO LISTINGS WITHIN RADIUS**

1971 PRINCE OF WALES DRIVE

SOURCE: MIGHTS

2150-2175 **NO LISTINGS WITHIN RADIUS**

1971 RIVERSIDE DRIVE

SOURCE: MIGHTS

3860-4120 **NO LISTINGS WITHIN RADIUS**

1971 WATERBEND LANE

SOURCE: MIGHTS

1-15 **STREET NOT LISTED**

1966 AIRPORT PARKWAY PRIVATE

SOURCE: MIGHTS

1000 **STREET NOT LISTED**

1966 HUNT CLUB ROAD

SOURCE: MIGHTS

1-230 **NO LISTINGS WITHIN RADIUS**

1966 PRINCE OF WALES DRIVE

SOURCE: MIGHTS

2150-2175 **NO LISTINGS WITHIN RADIUS**

1966 RIVERSIDE DRIVE

SOURCE: MIGHTS

3860-4120 **NO LISTINGS WITHIN RADIUS**

1966 WATERBEND LANE

SOURCE: MIGHTS

1-15 **STREET NOT LISTED**

1960 AIRPORT PARKWAY PRIVATE

SOURCE: MIGHTS

STREET NOT LISTED

1960 HUNT CLUB ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1960 PRINCE OF WALES DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1960 RIVERSIDE DRIVE

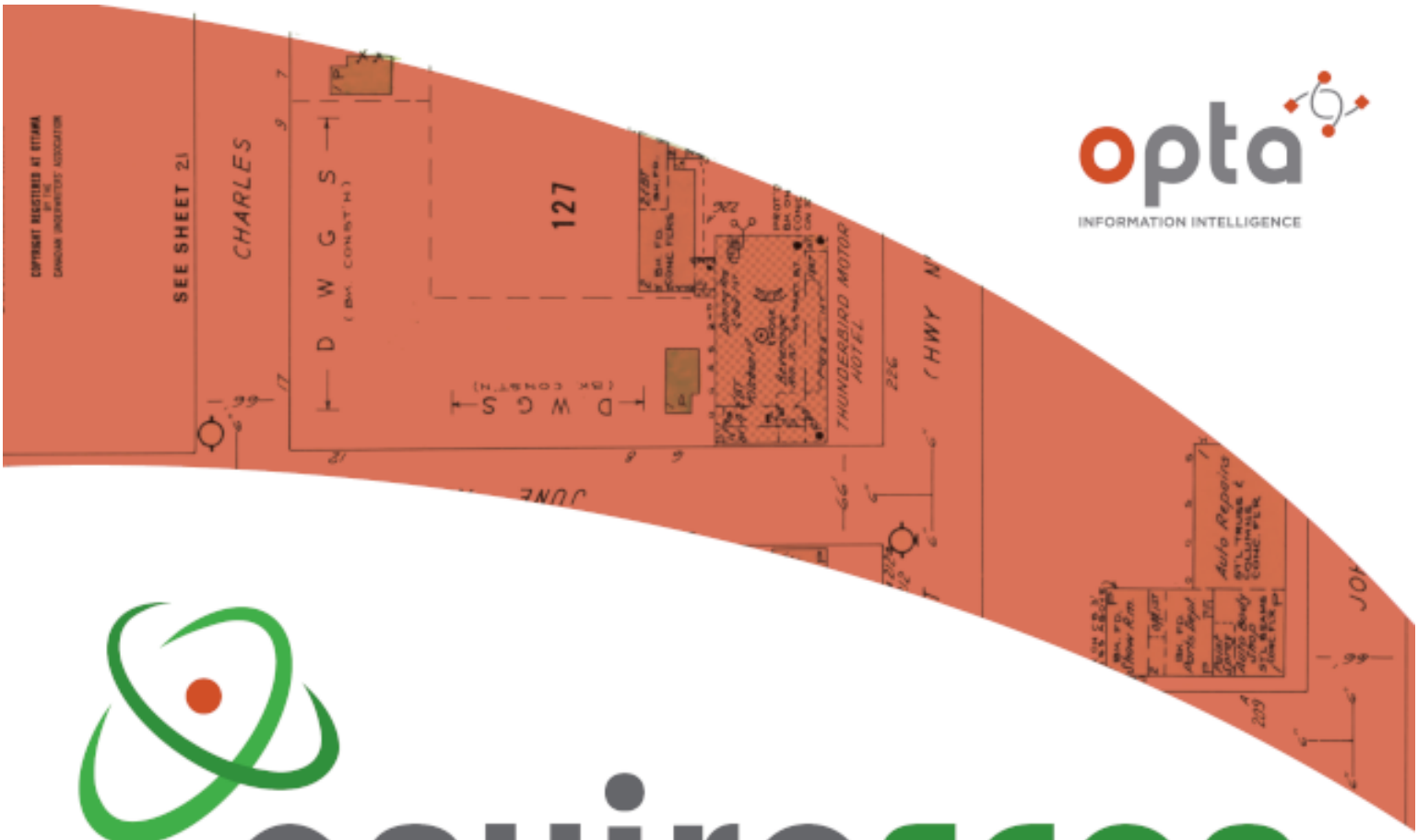
SOURCE: MIGHTS

RANGE NOT LISTED

1960 WATERBEND LANE

SOURCE: MIGHTS

STREET NOT LISTED



opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Nate

Site Address:
Ottawa, ON

Project No:
24012300811

Opta Order ID:
139394

Requested by:
Eleanor Goolab
ERIS

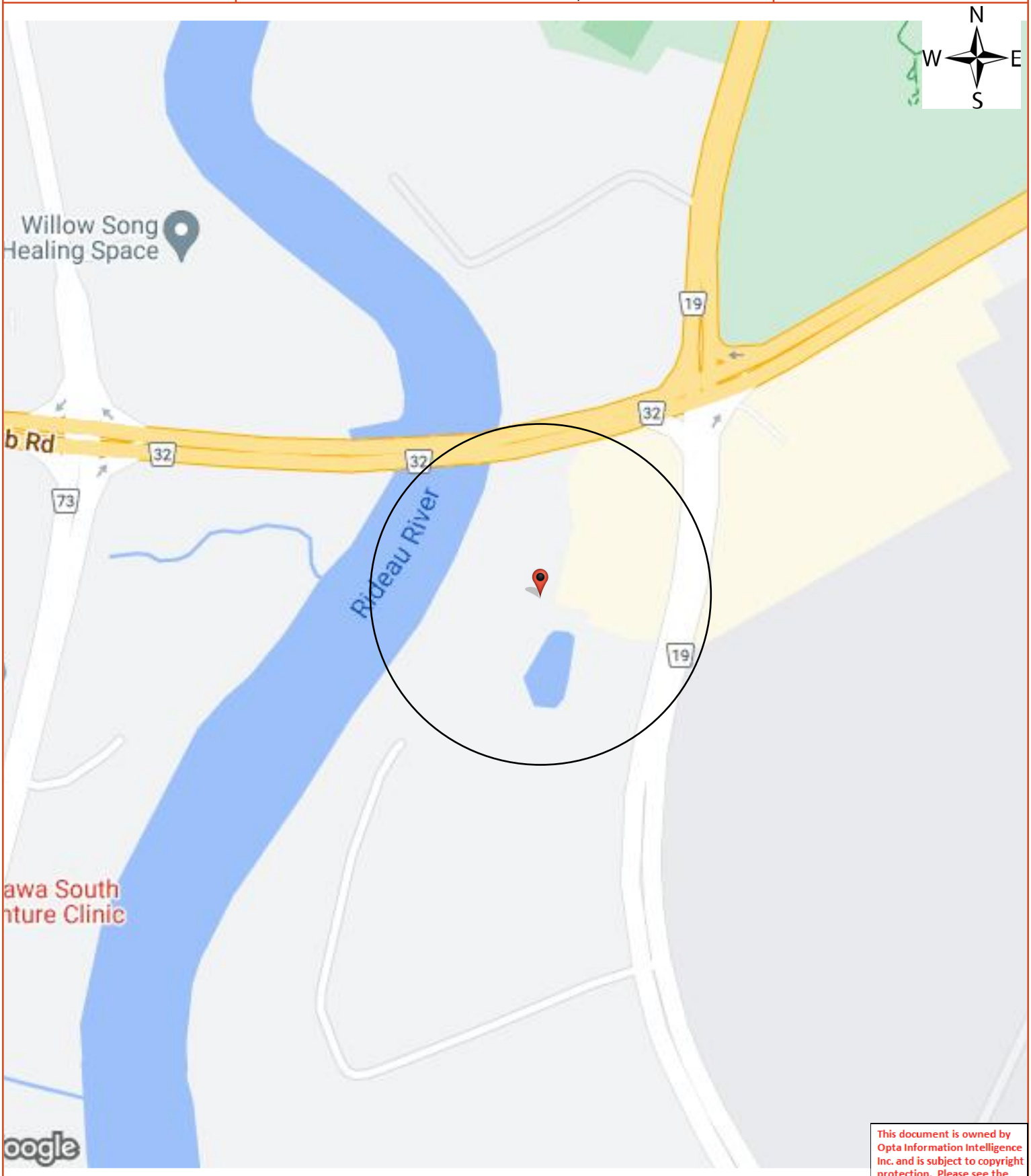
Date Completed:
1/30/2024 2:46:29 PM

ENVIROSCAN Report

Search Area: Ottawa, ON

Requested by:
Eleanor Goolab
Date Completed: 01/30/2024 14:46:29

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.

ENVIROSCAN Report

No Records Found

Requested by:
Eleanor Goolab
Date Completed: 01/30/2024 14:46:29

OPTA INFORMATION INTELLIGENCE

No Records Found

N
W E
S

Selected Fire Insurance Plans and Inspection Reports

Search Fee	$50.00

Selected Fire Insurance Plans

None

Selected Inspection Reports

None

Total	$50.00

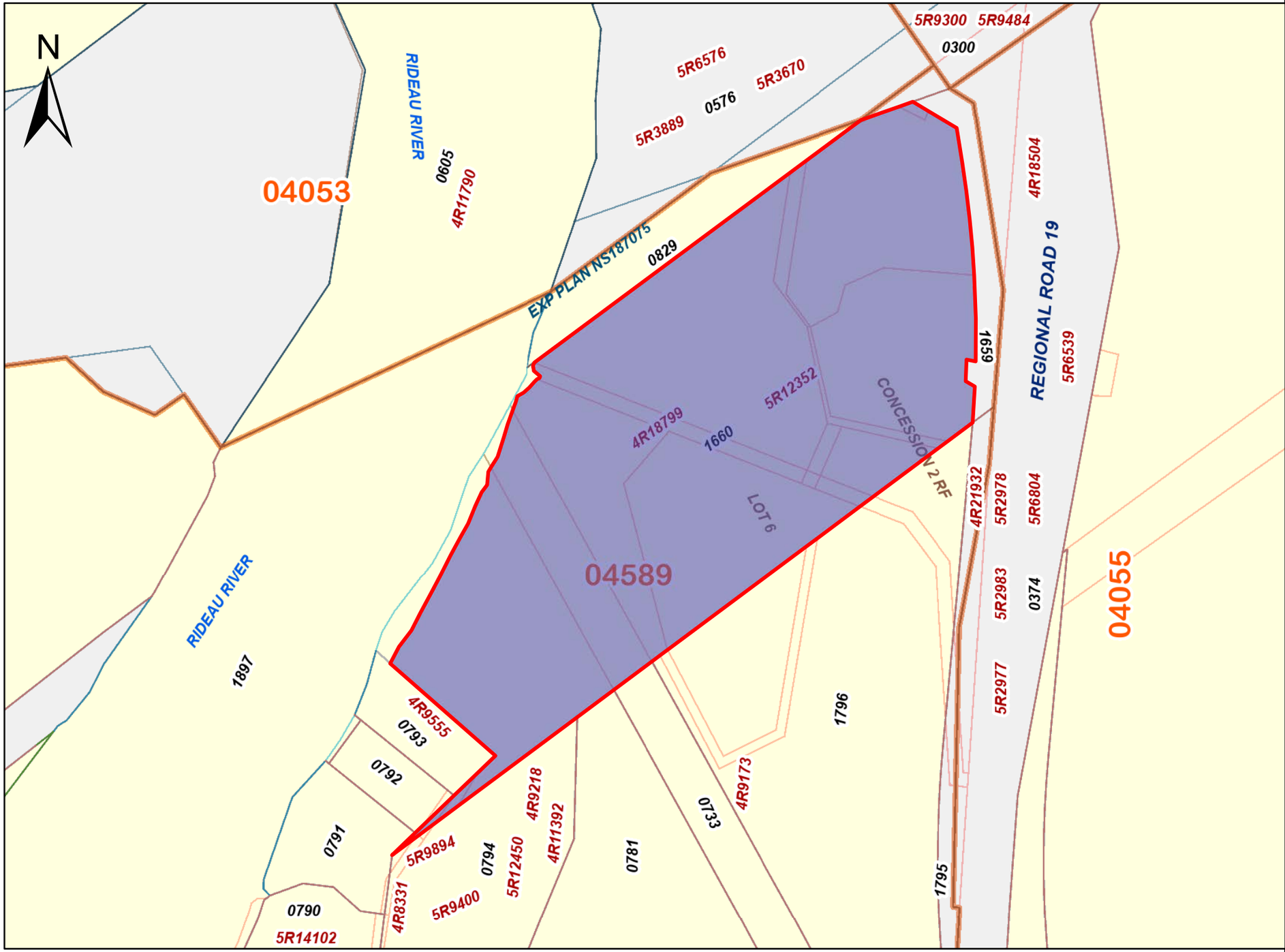
Excluded Fire Insurance Plans and Inspection Reports

Excluded Fire Insurance Plans

None

Excluded Inspection Reports

None



ServiceOntario

PRINTED ON 24 JAN, 2024 AT 11:37:52
FOR SLR

SCALE

0 10 20 30 40 50 60
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

CHAIN OF TITLE REPORT

Project #: 24012300811
Address: 4000 Riverside Road, Ottawa
Legal Description: Pt lot 6, Con 1 RF; Pt lot 6, Con 2 RF Gloucester; Pt rdal btn Con 1 & 2 RF as Pts 1-15, 5R12352
PIN #: 04589-1660(LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent	17 05 1802	Crown	**William FRASER**
RO24340	Deed	09 08 1864	James Fraser, exor. Of the estate of William Fraser	Terrance RONALDS
GL2829	Deed	18 01 1876	Terrance Ronalds	Patrick COLLINS
GL17347	Deed	20 04 1903	Patrick Collins	The Silicate Brick Company of Ottawa Ltd.
GL32499	Deed	05 01 1924	The Silicate Brick Company of Ottawa Ltd.	Charles HOLBROOK
GL33077	Deed	05 02 1925	Charles Holbrook	James HOLBROOK & Charles A. HOLBROOK
GL39353	Easement	26 01 1942	James Holbrook & Charles A. Holbrook	His Majesty The King
GL39673	Deed	22 09 1942	James Holbrook & Charles A. Holbrook	Winka HOLBROOK & Alan HOLBROOK
GL40959	Deed **(Present Owner)**	19 01 1945	Winka Holbook & Alan Holbook	**His Majesty The King In Right of Canada**

Cont'd on page 2

CHAIN OF TITLE REPORT

Project #: 24012300811
Address: 4000 Riverside Road, Ottawa
Legal Description: Pt lot 6, Con 1 RF; Pt lot 6, Con 2 RF Gloucester; Pt rdal btn Con 1 & 2 RF as Pts 1-15, 5R12352
PIN #: 04589-1660(LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
N752404	Lease	31 01 1997	His Majesty The King In Right of Canada	Ottawa MacDonald-Cartier International Airport Authority (Lessee)
OC337594	Lease	02 06 2004	Ottawa MacDonald-Cartier International Airport Authority	4059930 Canada Inc. (Lessee)
OC339605	Sub-Lease	08 06 2004	Hunt Club Place Inc. (fmly 4059930 Canada Inc.)	Petro-Canada (now Suncor Energy Inc.)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LOT 6 CON 1, RF GLOUCESTER, PT LOT 6 CON 2, RF GLOUCESER, PT RDAL BTN CONS 1 AND 2, RF GLOUCESTER, PARTS 1 TO 15 PLAN 5R12352 EXCEPT PART 1 PLAN 4R21932; OTTAWA. S/T GL39353

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04589-0782

PIN CREATION DATE:
2007/12/17

OWNERS' NAMES
HIS MAJESTY THE KING

CAPACITY SHARE
BENO

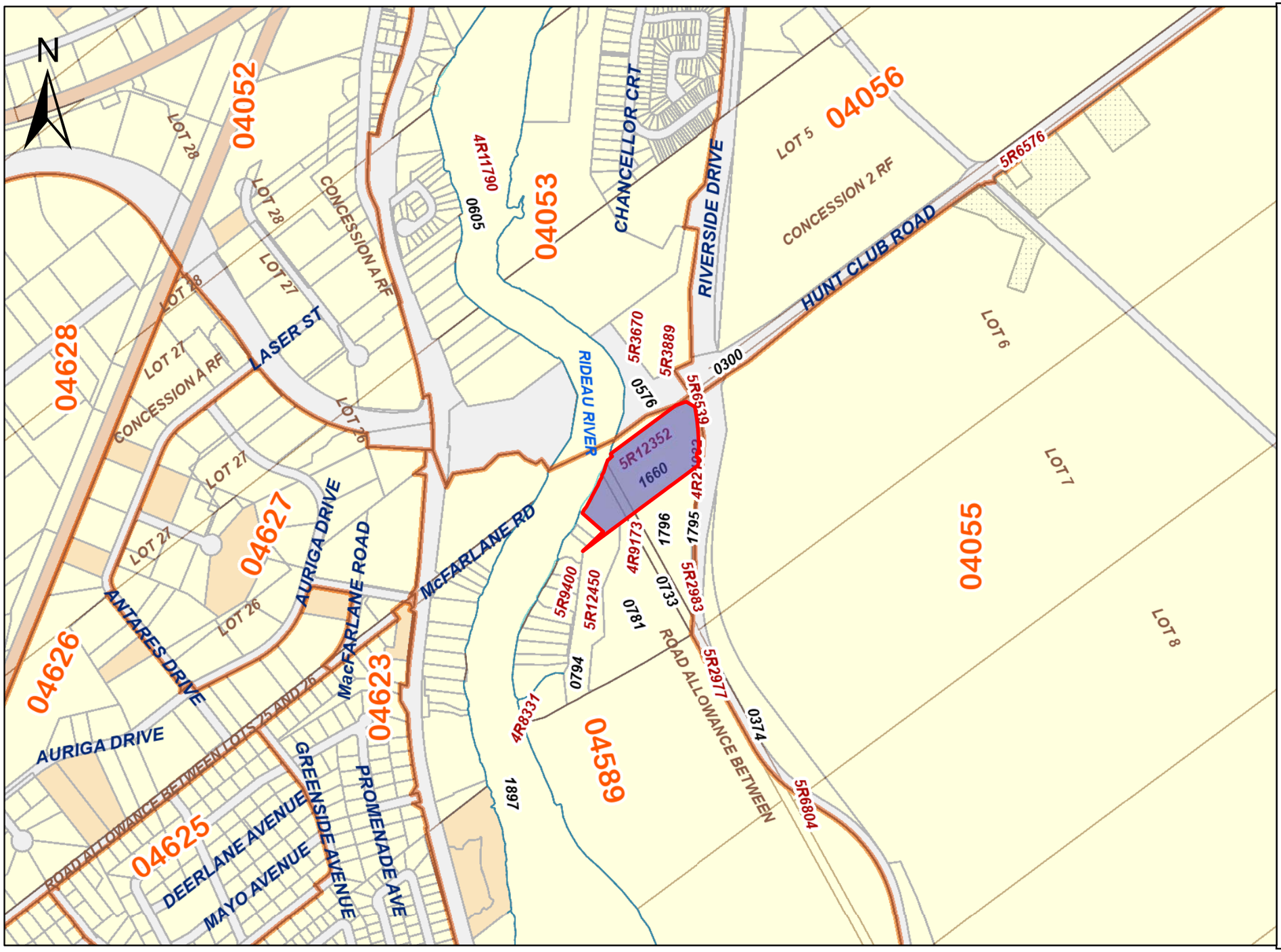
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2007/12/17 ****						
***SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:*						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
DATE OF CONVERSION TO LAND TITLES: 1999/09/20 *						
GL39353	1942/01/26	TRANSFER EASEMENT			HIS MAJESTY THE KING	C
GL40959	1945/01/19	TRANSFER	$5,000		HIS MAJESTY THE KING IN RIGHT OF CANADA	C
OT54451	1963/01/22	BYLAW				C
	REMARKS: SUBDIVISION CONTROL, MULTI					
GL74226	1964/04/06	NOTICE		DEPARTMENT OF TRANSPORT		C
	REMARKS: SEE LT109062 AND MULTIPLE OTTAWA AIRPORT ZONING REGULATION					
	CORRECTIONS: 'PARTY' CHANGED FROM 'DEPARTMENT OF TRANSPORTATION ZONING REGULATION' TO 'DEPARTMENT OF TRANSPORT' ON 2009/02/09 BY PATRICIA CORKERY.					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
5R12352	1988/12/13	PLAN REFERENCE				C

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
N752404	1997/01/31	NOTICE OF LEASE	$177,509,000	HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINSTER OF TRANSPORT	OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY	C
OC222723	2003/07/21	NOTICE	$1	OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY	CITY OF OTTAWA	C
	REMARKS: N752404, N752405					
4R18799	2003/09/05	PLAN REFERENCE				C
OC337594	2004/06/02	NOTICE OF LEASE		OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY	4059930 CANADA INC.	C
	REMARKS: N752404					
OC339605	2004/06/08	NOTICE OF SUBLEASE		4059930 CANADA INC.	PETRO-CANADA	C
	REMARKS: N752404, OC337594					
	CORRECTIONS: 'PARTY: 4059930 CANADA INC.' ADDED ON 2004/06/14 BY MONICA WASAG. 'PARTY: PETRO CANADA' DELETED ON 2004/06/14 BY GAIL BOUNSALL. 'PARTY: 4059930 CANADA INC.' ADDED ON 2004/06/14 BY GAIL BOUNSALL. 'PARTY: 4059930 CANADA INC.' DELETED ON 2004/06/14 BY GAIL BOUNSALL. 'PARTY: PETRO-CANADA' ADDED ON 2004/06/14 BY GAIL BOUNSALL.					
OC341478	2004/06/14	NO CHARGE LEASE		*** DELETED AGAINST THIS PROPERTY *** 4059930 CANADA INC.	THE CIVIL SERVICE CO-OPERATIVE CREDIT SOCIETY, LIMITED	
	REMARKS: OC337594					
OC341771	2004/06/14	NO ASSG LESSOR INT		*** DELETED AGAINST THIS PROPERTY *** 4059930 CANADA INC.	THE CIVIL SERVICE CO-OPERATIVE CREDIT SOCIETY, LIMITED	
	REMARKS: OC341478					
OC341780	2004/06/14	NOTICE		*** DELETED AGAINST THIS PROPERTY *** OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY 4059930 CANADA INC.	THE CIVIL SERVICE CO-OPERATIVE CREDIT SOCIETY, LIMITED	
	REMARKS: OC341478					
OC824124	2008/02/13	DISCH OF CHARGE		*** COMPLETELY DELETED *** ALTERNA SAVINGS AND CREDIT UNION LIMITED		
	REMARKS: RE: OC341478					
OC1449124	2013/01/29	APL CH NAME INST		4059930 CANADA INC.	HUNT CLUB PLACE INC.	C
	REMARKS: OC337594.					
OC1449125	2013/01/29	APL CH NAME INST		4059930 CANADA INC.	HUNT CLUB PLACE INC.	C
	REMARKS: OC339605.					
OC1494606	2013/07/08	NOTICE	$1	CITY OF OTTAWA	HUNT CLUB PLACE INC.	C

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1494609	2013/07/08	NOTICE	$1	CITY OF OTTAWA	HUNT CLUB PLACE INC.	C
OC1494610	2013/07/08	NOTICE	$1	CITY OF OTTAWA	HUNT CLUB PLACE INC.	C
OC1495552	2013/07/10	APL (GENERAL)		SUNCOR ENERGY INC.	CITY OF OTTAWA	C
	REMARKS: OC339605 TO OC1494606					
OC1495553	2013/07/10	APL (GENERAL)		SUNCOR ENERGY INC.	CITY OF OTTAWA	C
	REMARKS: OC339605 TO OC1494609					
OC1495554	2013/07/10	APL (GENERAL)		SUNCOR ENERGY INC.	CITY OF OTTAWA	C
	REMARKS: OC339605 TO OC1494610					
OC1538271	2013/11/18	NO CHARGE LEASE	$1,256,000	HUNT CLUB PLACE INC.	FIRST CAPITAL (S.C.) CORPORATION	C
	REMARKS: OC337594.					
OC1538282	2013/11/18	NO ASSGN RENT GEN		HUNT CLUB PLACE INC.	FIRST CAPITAL (S.C.) CORPORATION	C
	REMARKS: OC1538271					



ServiceOntario

PRINTED ON 17 FEB, 2024 AT 14:54:46
FOR BERTUCCI

SCALE

0 80 160 240 320 400 480 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

PROPERTY DESCRIPTION: PT LOT 6 CON 2, RF GLOUCESTER, PART 1 PLAN 4R21932, OTTAWA.

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04589-0782

PIN CREATION DATE:
2007/12/17

OWNERS' NAMES
CITY OF OTTAWA

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2007/12/17 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/09/20 **						
OT54451	1963/01/22	BYLAW				C
	REMARKS: SUBDIVISION CONTROL, MULTI					
GL74226	1964/04/06	NOTICE		DEPARTMENT OF TRANSPORT		C
	REMARKS: SEE LT109062 AND MULTIPLE OTTAWA AIRPORT ZONING REGULATION					
	CORRECTIONS: 'PARTY' CHANGED FROM 'DEPARTMENT OF TRANSPORTATION ZONING REGULATION' TO 'DEPARTMENT OF TRANSPORT' ON 2009/02/09 BY PATRICIA CORKERY.					
NS146175	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
NS146176	1982/03/26	ORDER IN COUNCIL				C
	REMARKS: AMENDMENT					
4R21932	2007/04/20	PLAN REFERENCE				C
OC759863	2007/08/16	APL ANNEX REST COV		CITY OF OTTAWA		C
OC800683	2007/11/27	BYLAW PUB HGHWY		CITY OF OTTAWA		C
	REMARKS: HEREBY ESTABLISHED AND LAYED OUT AS COMMON AND PUBLIC HIGHWAYS.					

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
OC1135995	2010/07/16	NOTICE		HER MAJESTY THE QUEEN IN RIGHT OF CANADA		C
	REMARKS: AIRPORT ZONING REGULATION					

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LOT 6 CON 1, RF GLOUCESTER, PT LOT 6 CON 2, RF GLOUCESER, PT RDAL BTN CONS 1 AND 2, RF GLOUCESTER, PARTS 1 TO 15 PLAN 5R12352 EXCEPT PART 1 PLAN 4R21932; OTTAWA. S/T GL39353

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04589-0782

PIN CREATION DATE:
2007/12/17

OWNERS' NAMES
HIS MAJESTY THE KING

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2007/12/17 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/09/20 **						
GL39353	1942/01/26	TRANSFER EASEMENT			HIS MAJESTY THE KING	C
GL40959	1945/01/19	TRANSFER	$5,000		HIS MAJESTY THE KING IN RIGHT OF CANADA	C
OT54451	1963/01/22	BYLAW				C
REMARKS: SUBDIVISION CONTROL, MULTI						
GL74226	1964/04/06	NOTICE		DEPARTMENT OF TRANSPORT		C
REMARKS: SEE LT109062 AND MULTIPLE OTTAWA AIRPORT ZONING REGULATION						
CORRECTIONS: 'PARTY' CHANGED FROM 'DEPARTMENT OF TRANSPORTATION ZONING REGULATION' TO 'DEPARTMENT OF TRANSPORT' ON 2009/02/09 BY PATRICIA CORKERY.						
NS146175	1982/03/26	ORDER IN COUNCIL				C
REMARKS: AMENDMENT						
NS146176	1982/03/26	ORDER IN COUNCIL				C
REMARKS: AMENDMENT						
5R12352	1988/12/13	PLAN REFERENCE				C

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
N752404	1997/01/31	NOTICE OF LEASE	$177,509,000	HER MAJESTY THE QUEEN IN RIGHT OF CANADA AS REPRESENTED BY THE MINSTER OF TRANSPORT	OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY	C
OC222723	2003/07/21	NOTICE	$1	OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY	CITY OF OTTAWA	C
	REMARKS: N752404, N752405					
4R18799	2003/09/05	PLAN REFERENCE				C
OC337594	2004/06/02	NOTICE OF LEASE		OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY	4059930 CANADA INC.	C
	REMARKS: N752404					
OC339605	2004/06/08	NOTICE OF SUBLEASE		4059930 CANADA INC.	PETRO-CANADA	C
	REMARKS: N752404, OC337594					
	CORRECTIONS: 'PARTY: 4059930 CANADA INC.' ADDED ON 2004/06/14 BY MONICA WASAG. 'PARTY: PETRO CANADA' DELETED ON 2004/06/14 BY GAIL BOUNSALL. 'PARTY: 4059930 CANADA INC.' ADDED ON 2004/06/14 BY GAIL BOUNSALL. 'PARTY: 4059930 CANADA INC.' DELETED ON 2004/06/14 BY GAIL BOUNSALL. 'PARTY: PETRO-CANADA' ADDED ON 2004/06/14 BY GAIL BOUNSALL.					
OC341478	2004/06/14	NO CHARGE LEASE		*** DELETED AGAINST THIS PROPERTY *** 4059930 CANADA INC.	THE CIVIL SERVICE CO-OPERATIVE CREDIT SOCIETY, LIMITED	
	REMARKS: OC337594					
OC341771	2004/06/14	NO ASSG LESSOR INT		*** DELETED AGAINST THIS PROPERTY *** 4059930 CANADA INC.	THE CIVIL SERVICE CO-OPERATIVE CREDIT SOCIETY, LIMITED	
	REMARKS: OC341478					
OC341780	2004/06/14	NOTICE		*** DELETED AGAINST THIS PROPERTY *** OTTAWA MACDONALD-CARTIER INTERNATIONAL AIRPORT AUTHORITY 4059930 CANADA INC.	THE CIVIL SERVICE CO-OPERATIVE CREDIT SOCIETY, LIMITED	
	REMARKS: OC341478					
OC824124	2008/02/13	DISCH OF CHARGE		*** COMPLETELY DELETED *** ALTERNA SAVINGS AND CREDIT UNION LIMITED		
	REMARKS: RE: OC341478					
OC1449124	2013/01/29	APL CH NAME INST		4059930 CANADA INC.	HUNT CLUB PLACE INC.	C
	REMARKS: OC337594.					
OC1449125	2013/01/29	APL CH NAME INST		4059930 CANADA INC.	HUNT CLUB PLACE INC.	C
	REMARKS: OC339605.					
OC1494606	2013/07/08	NOTICE	$1	CITY OF OTTAWA	HUNT CLUB PLACE INC.	C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1494609	2013/07/08	NOTICE	$1	CITY OF OTTAWA	HUNT CLUB PLACE INC.	C
OC1494610	2013/07/08	NOTICE	$1	CITY OF OTTAWA	HUNT CLUB PLACE INC.	C
OC1495552	2013/07/10	APL (GENERAL)		SUNCOR ENERGY INC.	CITY OF OTTAWA	C
	REMARKS: OC339605 TO OC1494606					
OC1495553	2013/07/10	APL (GENERAL)		SUNCOR ENERGY INC.	CITY OF OTTAWA	C
	REMARKS: OC339605 TO OC1494609					
OC1495554	2013/07/10	APL (GENERAL)		SUNCOR ENERGY INC.	CITY OF OTTAWA	C
	REMARKS: OC339605 TO OC1494610					
OC1538271	2013/11/18	NO CHARGE LEASE	$1,256,000	HUNT CLUB PLACE INC.	FIRST CAPITAL (S.C.) CORPORATION	C
	REMARKS: OC337594.					
OC1538282	2013/11/18	NO ASSGN RENT GEN		HUNT CLUB PLACE INC.	FIRST CAPITAL (S.C.) CORPORATION	C
	REMARKS: OC1538271					

UTM 18 | 4 4 5 2 8 0 E
9 R 5 0 2 0 1 3 0 N
Elev. 9 R 0 2 7 5
Basin 2 5

191 3165b

15 № 4118

ONTARIO

The Well Drillers Act

Department of Mines, Province of Ontario

Water Well Record

[redacted] Con. A Lot R.F. ~~23~~ 26 Pt. Lot

[redacted] Acres 10

Date Completed [redacted] uding pump) 432.00

Pipe and Casing Record		Pumping Test	
Casing diameter(s)	5"	Date	[illegible]
Length(s) of casing(s)	108'	Developed Capacity	[illegible]
Length of screen		Duration of Test	[illegible]
Type of screen		Pumping Rate	
Type of pump		Drawdown	
Capacity of pump		Static level of completed well	26'
Depth of pump setting		Is well a gravel-wall type?	NO

Water Record

Kind (fresh or mineral) FRESH.
Quality (hard, soft, contains iron, sulphur etc.) SOFT
Appearance (clear, cloudy, coloured) CLEAR
For what purpose(s) is the water to be used? DOMESTIC
How far is well from possible source of contamination? 100'
What is source of contamination? PRIVY
Enclose a copy of any mineral analysis that has been made of water N/L

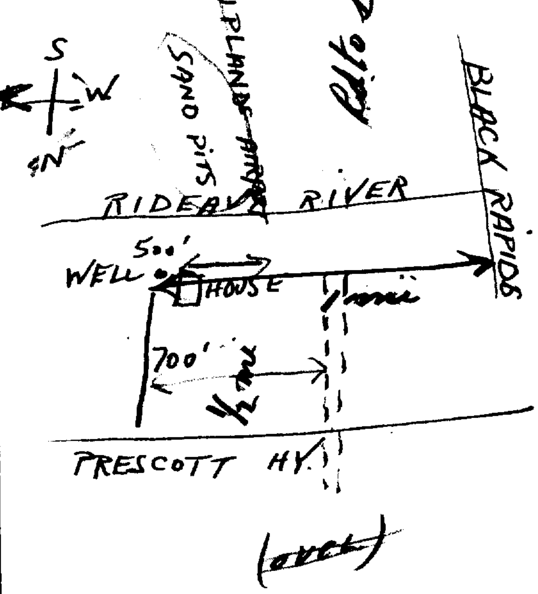
Depth(s) to Water Horizon(s)	Kind of Water	No. of Feet Water Rises
108	[illegible]	[illegible]

Well Log

Drift and Bedrock Record	From	To
	0 ft.	108 ft.
SANDY LOAM THROUGHOUT		

Location of Well

In diagram below show distances of well from road and lot line.



Situation: Is well on upland, in valley, or on hillside?
Drilling Firm Blair Phillips
Address 614 Gilmour St Ottawa
Recorded by .... Address ....
Date .... Licence Number ....

CSS.58

UTM 18 Z 445310 E
R 5 R 5024011610 N
Elev. 5 R 02615
Basin 25

The Ontario Water Resources Commission Act

WATER WELL RECORD

GROUND WATER BRANCH
15 No. 4530
DEC 3 1963
ONTARIO WATER RESOURCES COMMISSION

County or District Carleton
Township, Village, Town or City Nepean
Con B RF Lot 26
Date completed 12 (day) NOV (month) 63 (year)
[redacted]dress Box 91, R.R. No. 2, Ottawa

Casing and Screen Record

Inside diameter of casing 6 3/16"
Total length of casing 103 feet
Type of screen -
Length of screen -
Depth to top of screen -
Diameter of finished hole 6 3/16"

Pumping Test

Static level 45
Test-pumping rate 17 G.P.M.
Pumping level 80
Duration of test pumping 1 hour
Water clear or cloudy at end of test clear
Recommended pumping rate @ 17 G.P.M.
with pump setting of 80 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Yellowish soil	0	15	103	Fresh
Clay	15	30		
Sand	30	95		
Sand and gravel	95	103		

For what purpose(s) is the water to be used?
NEW House
Is well on upland, in valley, or on hillside? upland
Drilling or Boring Firm
J.B. Dufresne & Co. Ltd.,
Address 1014 Maitland Ave.,
Ottawa 3, Ont.
Licence Number 1032
Name of Driller or Borer W. Roy
Address Deschenes, P.Q.
Date 18 November, 1963

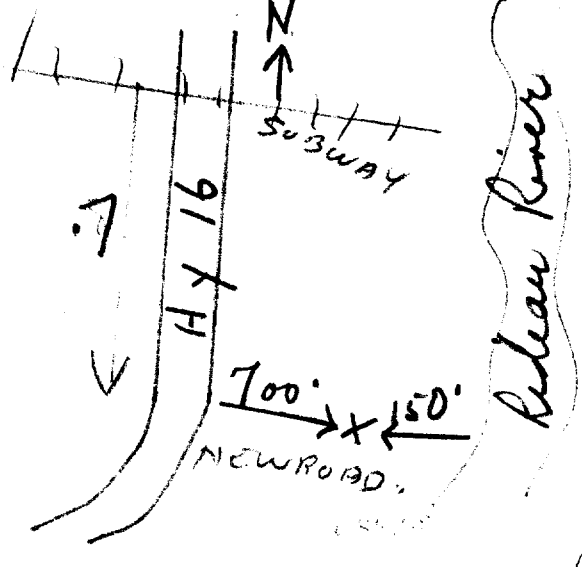
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



31

Ontario

Ministry of the Environment and Climate Change

Well Record for Well Cluster – Part 1 of 3

(Only for Multiple Test Holes or Dewatering Wells)

Regulation 903 Ontario Water Resources Act

All measurements recorded in: ☒ Metric ☐ Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: *(Print Well Tag No.)* A215119

Well No. on Drawing of Deepest Well:

☐ Dewatering wells

☐ Test holes

No. of wells reported 2

Page 1 of 1

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available)	Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
OTTAWA AIRPORT NE OF RIVERSIDE DR & HUNT CLUB RD				
City, Town, Village or Hamlet 3430 - 3960 RIVERSIDE	Province Ontario	GPS Unit Make GARMIN	Model ETREX	Unit Mode of Operation ☐ Differentiated, specify: ☐ Undifferentiated ☒ Averaged

Mandatory Attachments/Additional Information

☒ Land Owner Consent Form must be attached.

☒ Detailed Drawing of All Well Locations must be attached.

I, the person constructing the well, will promptly submit to the Director, on request, any additional information in my custody or control related to any well in the well cluster that I have constructed.

Signature of Technician/Contractor

Date (yyyy/mm/dd) 2018/01/19

Well Details

Well # on Drawing	UTM Coordinates Zone	Easting	Northing	Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft) From	Casing (m/ft) To	Screen Interval (m/ft) From	Screen Interval (m/ft) To	Annular Space Material (m/ft) From	Annular Space Material (m/ft) To	Annular Space Material:	Overburden/Bedrock or Abandonment Filing Material Intervals (m/ft)	Static Water Level (m/ft)	Date of Completion (yyyy/mm/dd)
17-201	18	445562	5020597	6.1 9.75	20.3 7.62	HSA DIAMOND NQ/WL	3.18	0	6.1	6.1	9.75	0	5.7	BENTONITE	0-6.1 FILL, 6.1→9.75 SAND	5.75	2017/12/21
17-203	18	445528	5020726	6.1 9.75	20.3 7.62	HSA DIAMOND NQ/WL	3.18	0	6.1	6.1	9.75	0	4.6	BENTONITE	0-4.6 FILL, 4.6→9.75 SAND	4.57	2017/12/18

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
GEORGE DOWNING ESTATE DRILLING	4100 RUE PRINCIPALE	GRENVILLE-SUR-LA-ROUGE	QC

Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address
J0V1B0	(819) 242-6469	1844	info@downingdrilling.com

Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Signature of Well Technician	Date Submitted (yyyy/mm/dd)
STEPHEN DOWNING	3326		2018/01/19

Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)	Date Last Well in Cluster Completed (yyyy/mm/dd)
2017/12/18	2017/12/21

Well Abandonment

Person Abandoning the Wells:

Name N/A

(Print or Type) - See instruction 11 on the back of this form

Ministry Use Only

Date Received (yyyy/mm/dd)	Audit No.
MAY 25 2018	C 40360

Comments:

Ministry's Copy

Ontario

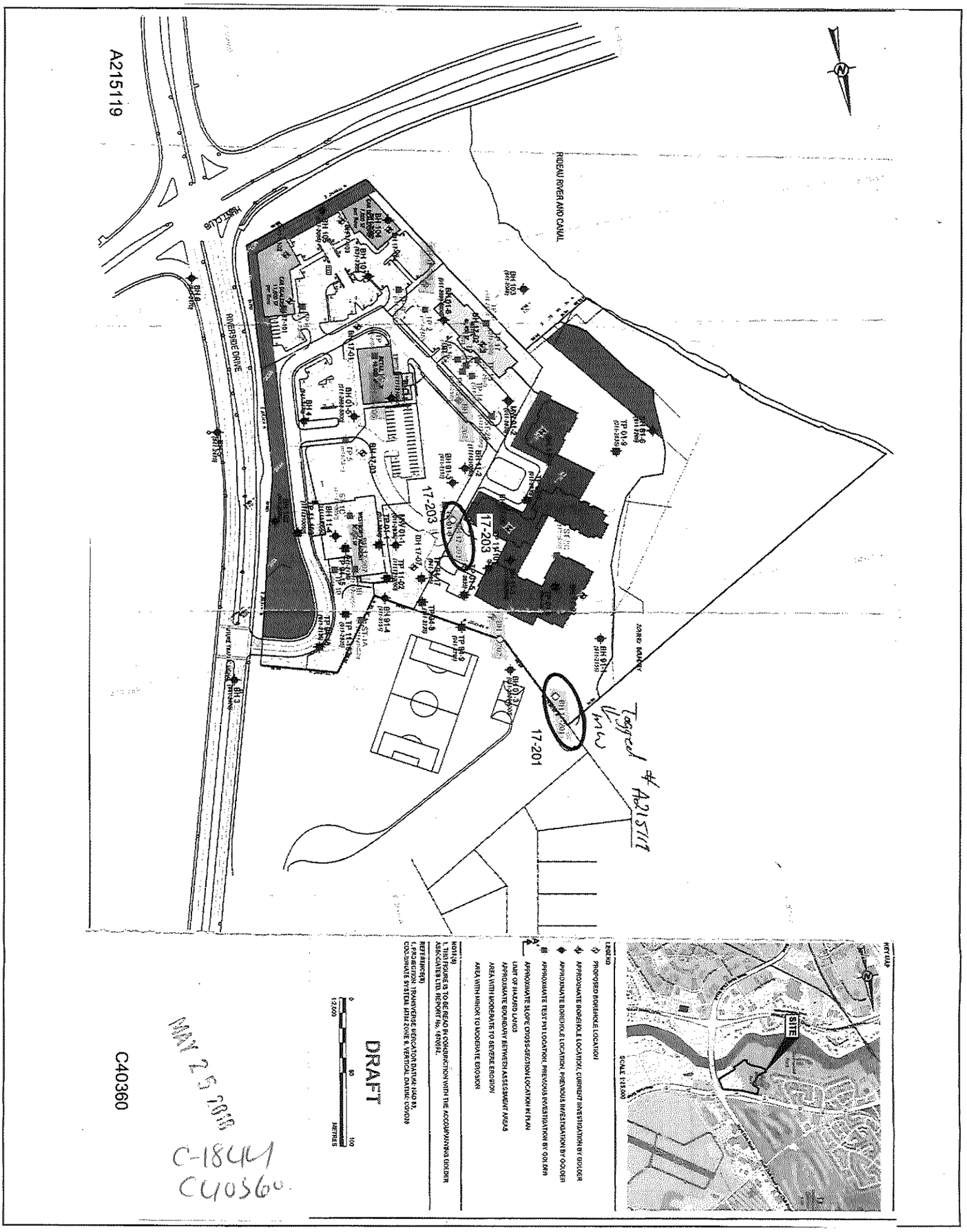
Ministry of the Environment and Climate Change

Well Record for Well Cluster - Part 3 of 3
Detailed Drawing of All Well Locations

Note: This **Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations,** must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the **Well Record for Well Cluster Parts 1 and 2.** The well with the well tag must be clearly identified on the Drawing.
UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # A215 119

"Well Record for Well Cluster" Form Audit Number: # C40360



MAY 25 2015
C-1841
C40360

Ministry's Copy

7333815

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A265362

Well Record

Regulation 903 Ontario Water Resources Act

S-23380 Page _____ of _____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3990 Riverside Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 18 445544 5020058			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	Gravel	Sand	Soft	0	1.31
BRN	Sand		"	1.31	7.75

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	4.34	Bentonite	
4.34	7.75	Sand	

Method of Construction

☐ Cable Tool ☐ Diamond
☑ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	4.65

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	4.65	7.75

Status of Well

☐ Water Supply
☐ Replacement Well
☑ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	7.75	21.59

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7141
Business Address (Street Number/Name)	**Municipality**
165 Shields Crt	Markham
Province	**Postal Code**	**Business E-mail Address**
ON	L3R8V2	records@stratasoil.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
905 940 7918	Beatty, Brian
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
31610		2019 04 01

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments: See Map A

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2019 03 25

Ministry Use Only

Audit No. Z231269

APR 15 2019

Received

0506E (2014/11)

Ministry's Copy

C-7241
2231869

Google

7333867

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A265363

Well Record

Regulation 903 Ontario Water Resources Act

S-23380 Page ____ of ____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3990 Riverside Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 8 3 / 18 / 445558 / 5020086			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	Gravel	Sand	Soft	0	.31
BRN	Sand		"	.31	7.75

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	4.34	Bentonite	
4.34	7.75	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	4.65

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	4.65	7.75

Status of Well

☐ Water Supply
☐ Replacement Well
☑ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify ____
☐ Other, specify ____

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	7.75	21.59

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify ____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments: See Map B

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241
Business Address (Street Number/Name)	**Municipality**
165 Shields Crt	Markham
Province	**Postal Code**	**Business E-mail Address**
ON	L3R5V2	wrecords@stratasoil.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**	
905 940 7919	Beatty, Brian	
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3616		2019 04 01

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2019 03 25

Ministry Use Only

Audit No. Z231268

Received APR 15 2019

0506E (2014/11) Ministry's Copy

C-7241
Z231968

Google

7333868

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A265364

S-23380

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3990 Riverside Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 18 445550 5020090			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	Gravel	Sand	Soft	0	.31
BRN	Sand		"	.31	7.75

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
~~0~~	~~.31~~		
0	4.34	Bentonite	
4.34	7.75	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	4.65

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	4.65	7.75

Status of Well

☐ Water Supply
☐ Replacement Well
☑ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

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

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	7.75	21.59

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify _____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments: See Map C

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7214
Business Address (Street Number/Name)	**Municipality**
165 Shields Crt	Markham
Province	**Postal Code**
ON	L3R 8U2
Business E-mail Address	
wrecords@stratasoil.com	
Bus. Telephone No. *(inc. area code)*	**Name of Well Technician (Last Name, First Name)**
905 940 7818	Beatty Brian
Well Technician's Licence No.	**Signature of Technician and/or Contractor**
3616	

Date Submitted: 2019 04 10

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2019 03 26

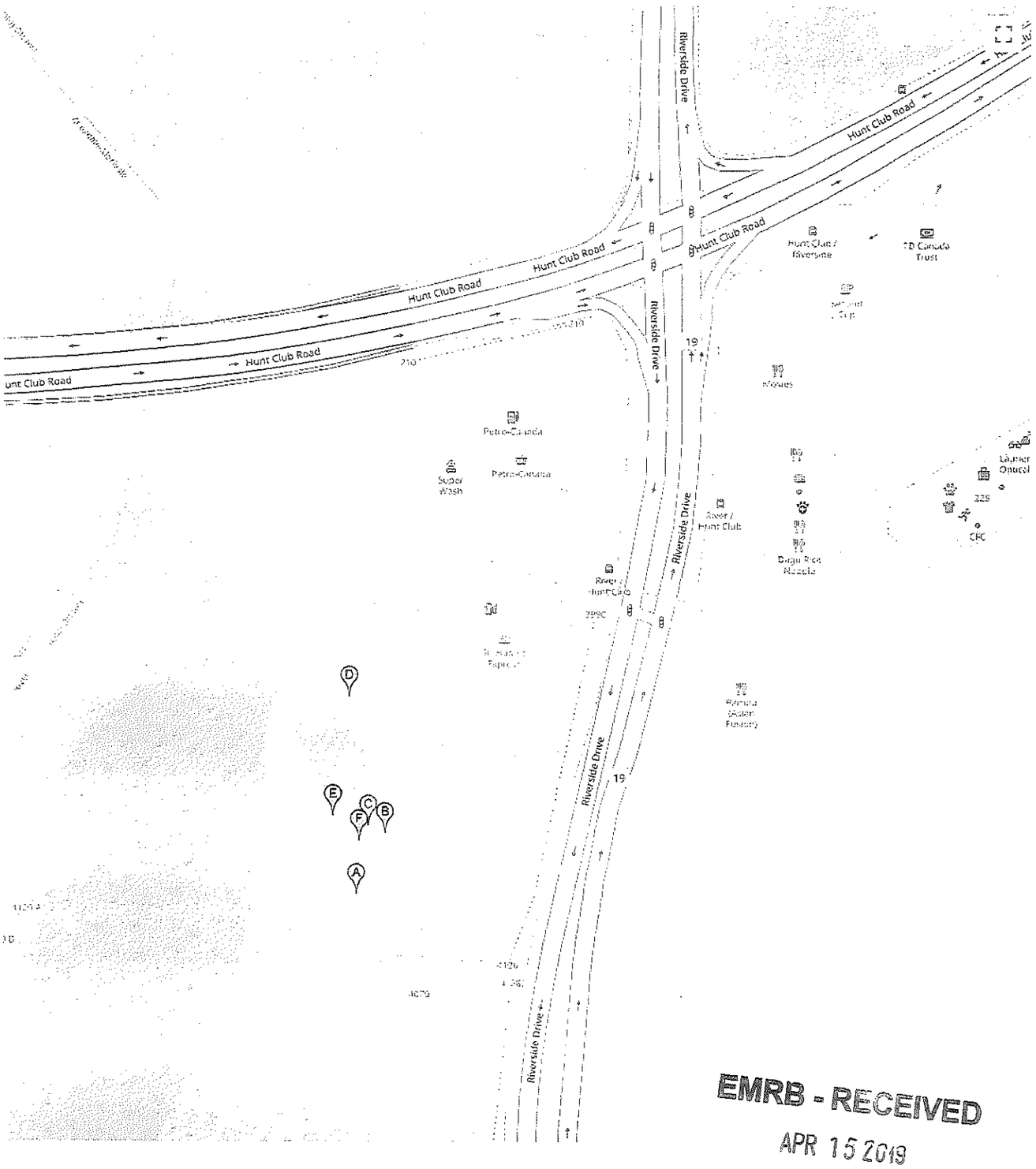
Ministry Use Only

Audit No. Z231267

APR 15 2019

Received

Ministry's Copy



C-7241
2231267

7333869

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A265365

Well Record

Regulation 903 Ontario Water Resources Act

S-23380 Page _____ of _____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3990 Riverside Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates NAD 83 — Zone 18 — Easting 445542 — Northing 5020148	**Municipal Plan and Sublot Number**	**Other**	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	Gravel	Sand	Soft	0	.31
BRN	Sand		"	.31	6.82

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0	3.41	Benton, fe	
3.41	6.82	Sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☑ Other, specify Direct Push

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	3.72

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	3.72	6.82

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	6.82	21.59

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments: See Map 10

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241
Business Address (Street Number/Name)	**Municipality**
165 Shields Crt	Markham
Province	**Postal Code**	**Business E-mail Address**
ON	L3R 8U2	wrecords@strata-soil.com
Bus. Telephone No. (inc. area code)	**Name of Well Technician (Last Name, First Name)**
9054078199	Beatty, Brian
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3616		2019/04/01

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered

Date Work Completed 2019/03/22

Ministry Use Only

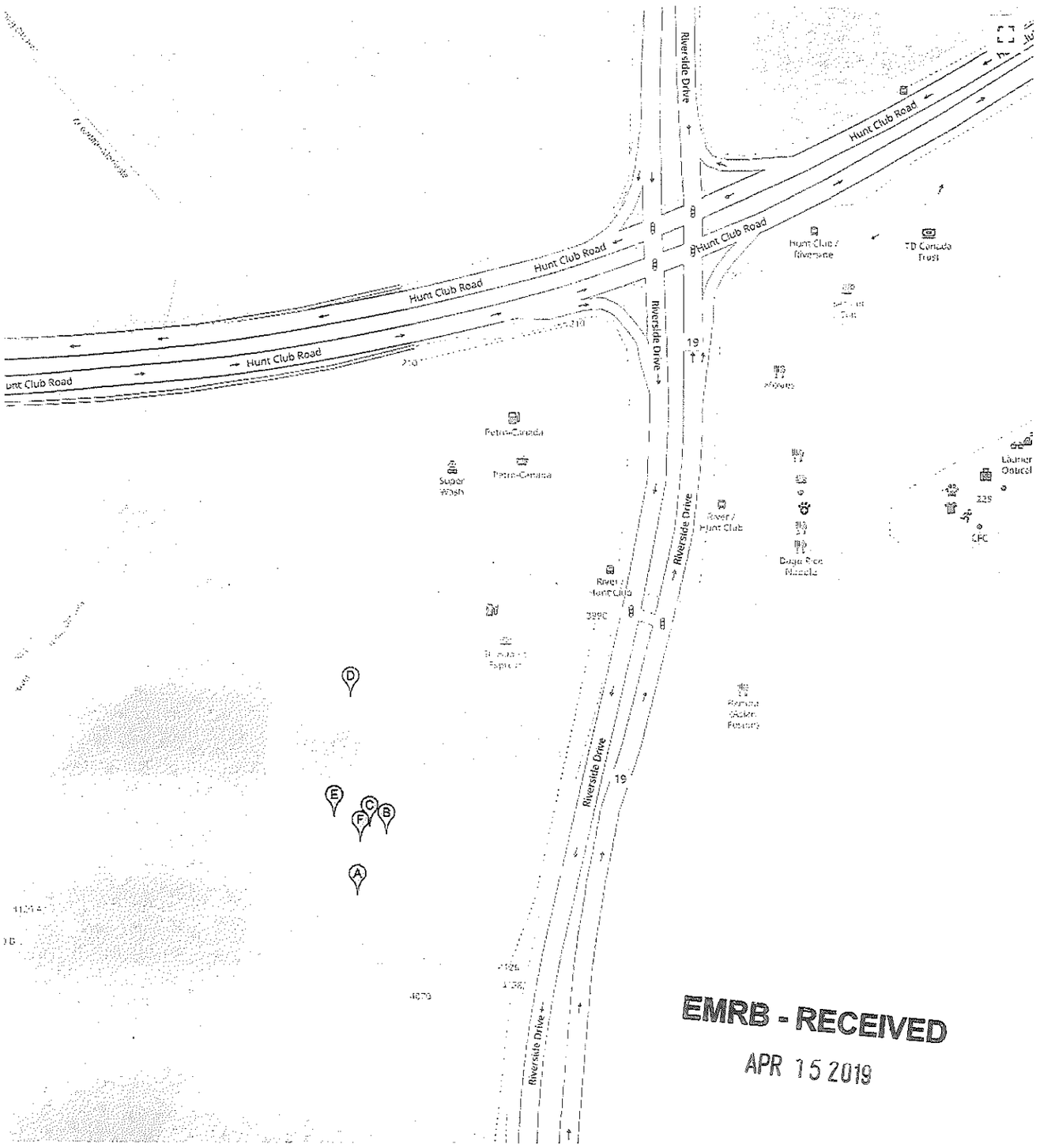
Audit No. Z231266

APR 15 2019

Received

0506E (2014/11)

Ministry's Copy



EMRB - RECEIVED
APR 15 2019

C-7241
Z 231266

7333870

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A265366

Well Record

Regulation 903 Ontario Water Resources Act

S-23280 Page ____ of ____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3990 Riverside Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 18 445525 5020094			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	Gravel	Sand	Soft	0	.31
BRN	Sand		"	.31	2.79

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	.93	Bentonite	
.93	2.79	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	To
5.20	PVC	.390	0	1.24

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	To
6.03	PVC	10	1.24	2.79

Status of Well

☐ Water Supply
☐ Replacement Well
☑ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

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

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	2.79	21.59

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments: See Map E

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241
Business Address (Street Number/Name)	**Municipality**
165 Shields Crt	Markham
Province	**Postal Code**	**Business E-mail Address**
ON	L3R8U2	wrecords@stratasoil.com
Bus. Telephone No. *(inc. area code)*	**Name of Well Technician (Last Name, First Name)**
905 940 7879	Beatty Brian
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3161		2019 04 10

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

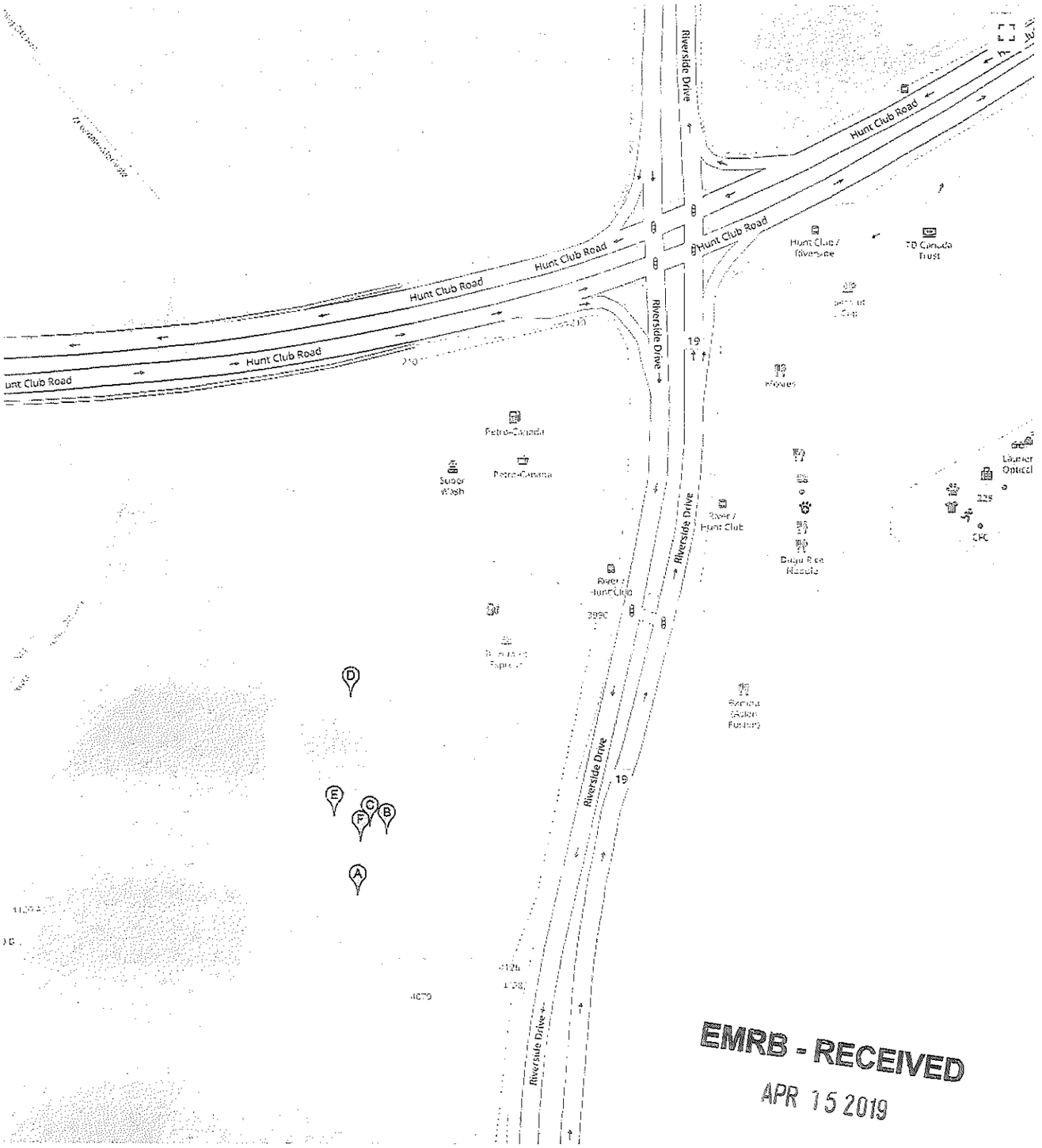
Date Work Completed: 2019 03 26

Ministry Use Only

Audit No. Z231265

APR 15 2019 Received

0506E (2014/11) Ministry's Copy



C-7241
2281265

Google

7333871

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)* A265367

Well Record

Regulation 903 Ontario Water Resources Act

S-23350 . Page _____ of _____

CITY OF OTTAWA

Address of Well Location (Street Number/Name)	Township	Lot	Concession
~~Station~~ 3490 Riverside Drive			
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
	Ottawa	Ontario	
UTM Coordinates Zone / Easting / Northing	**Municipal Plan and Sublot Number**	**Other**	
NAD 83 18 445546 5020083			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	Gravel	Sand	Soft	0	.31
BRN	Sand		Soft	.31	4.65
"	Sand	~~Fine Sand~~	"		

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	1.24	Bentonite	
1.24	4.65	Sand	

Method of Construction

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

Well Use

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
5.20	PVC	.390	0	1.55

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
6.03	PVC	10	1.55	4.65

Status of Well

☐ Water Supply
☐ Replacement Well
☑ Test Hole
☐ Recharge Well
☐ Dewatering Well
☑ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh / Untested	Other, specify
	☐	☐ / ☐	
	☐	☐ / ☐	
0	☐	☐ / ☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
		~~HOLE~~
0	4.65	21.59

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, specify _____

If pumping discontinued, give reason:

Pump intake set at *(m/ft)*

Pumping rate *(l/min / GPM)*

Duration of pumping _____ hrs + _____ min

Final water level end of pumping *(m/ft)*

If flowing give rate *(l/min / GPM)*

Recommended pump depth *(m/ft)*

Recommended pump rate *(l/min / GPM)*

Well production *(l/min / GPM)*

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.

Comments: See Map F

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Strata Drilling Group	7241
Business Address (Street Number/Name)	**Municipality**
165 Shields CRT	Markham

Province	Postal Code	Business E-mail Address
ON	L3R8U2	wrecords@stratasoil.com

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
9054907818	Beatty, Brian

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
3616		2019 04 04

Well owner's information package delivered ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2019 03 26

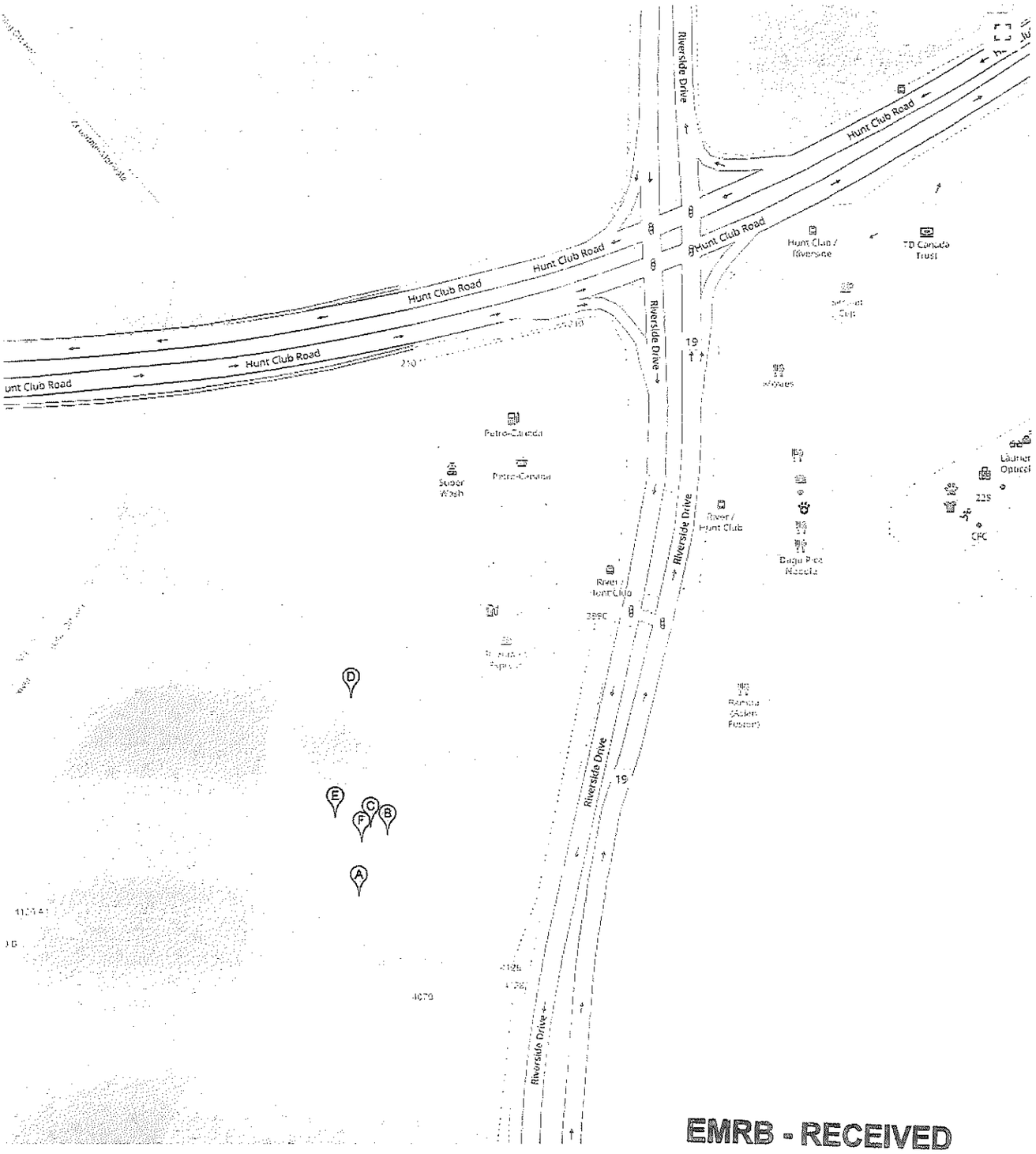
Ministry Use Only

Audit No. Z231264

APR 15 2019

Received

0506E (2014/11) Ministry's Copy



Z 181264
C-7241

Google

Ontario (https://www.ontario.ca/page/government-ontario)

Map: Well records

This map allows you to search and view well record information from reported wells in Ontario.

Full dataset is available in the Open Data catalogue (https://data.ontario.ca/dataset/well-records) .

Go Back to Map

Well ID

Well ID Number: 7341988
Well Audit Number: *Z317446*
Well Tag Number: *A268936*
This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	3990 RIVERSIDE RD RIVERSIDE AND HUNT CLUB DRIVE
Township	OTTAWA CITY

Lot	
Concession	
County/District/Municipality	OTTAWA-CARLETON
City/Town/Village	Ottawa
Province	ON
Postal Code	n/a
UTM Coordinates	NAD83 — Zone 18 Easting: 445514.00 Northing: 5020106.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	LOAM		LOOS	0 m	.31

					m
BRWN	SAND		LOOS	.31 m	5.79 m
GREY	SILT	SAND	DNSE	5.79 m	7.62 m

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed	
0 m	.31 m	MONUMENT		
.31 m	4.27 m	BENTONITE		
4.27 m	7.62 m	FILTER SAND		

Method of Construction & Well Use

Method of Construction	Well Use	
Other Method		
DIRECT PUSH	Monitoring and Test Hole	

Status of Well

Monitoring and Test Hole

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2.54 cm	PLASTIC	0 m	4.57 m

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
2.85 cm	PLASTIC	4.57 m	7.62 m

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7241

Results of Well Yield Testing

After test of well yield, water was	

If pumping discontinued, give reason	
Pump intake set at	
Pumping Rate	
Duration of Pumping	
Final water level	
If flowing give rate	
Recommended pump depth	
Recommended pump rate	
Well Production	
Disinfected?	

Draw Down & Recovery

Draw Down Time(min)	**Draw Down Water level**	**Recovery Time(min)**	**Recovery Water level**
SWL			
1		1	

2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
45		45	
50		50	
60		60	

Water Details

Water Found at Depth	Kind

Hole Diameter

Depth From	Depth To	Diameter
0 m	7.62 m	5.71 cm

Audit Number: Z317446

Date Well Completed: July 02, 2019

Date Well Record Received by MOE: July 23, 2019

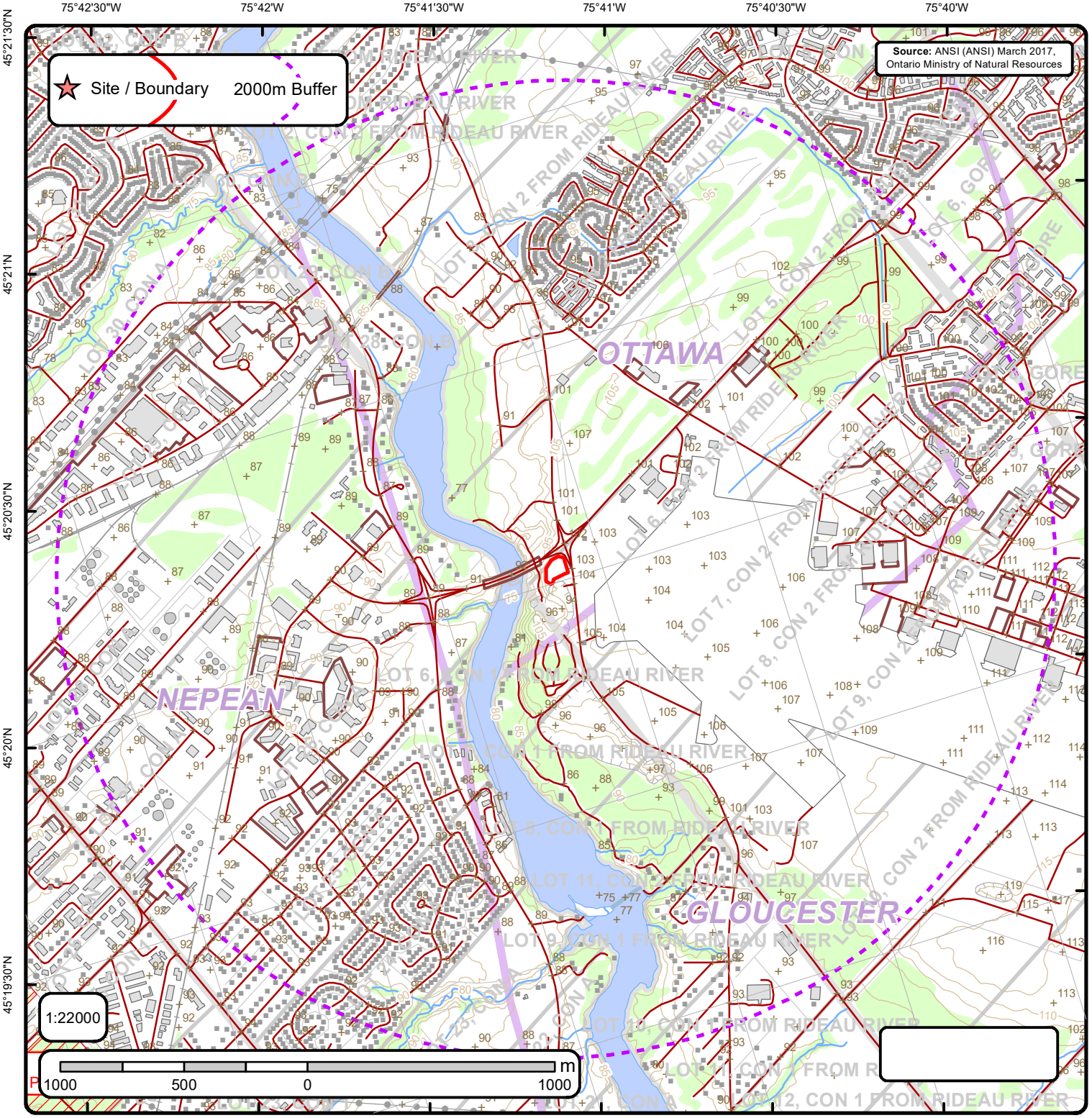
Related

How to use a Ministry of the Environment map (https://www.ontario.ca/page/how-use-ministry-environment-map#wells)

Technical documentation: Metadata record (https://data.ontario.ca/dataset/well-records/resource/3031344e-e3f2-48d5-888c-c1deadfd2f77)

Updated: January 10, 2024

Published: March 20, 2014



Area of Natural & Scientific Interest (ANSI) Order No. 24032000375

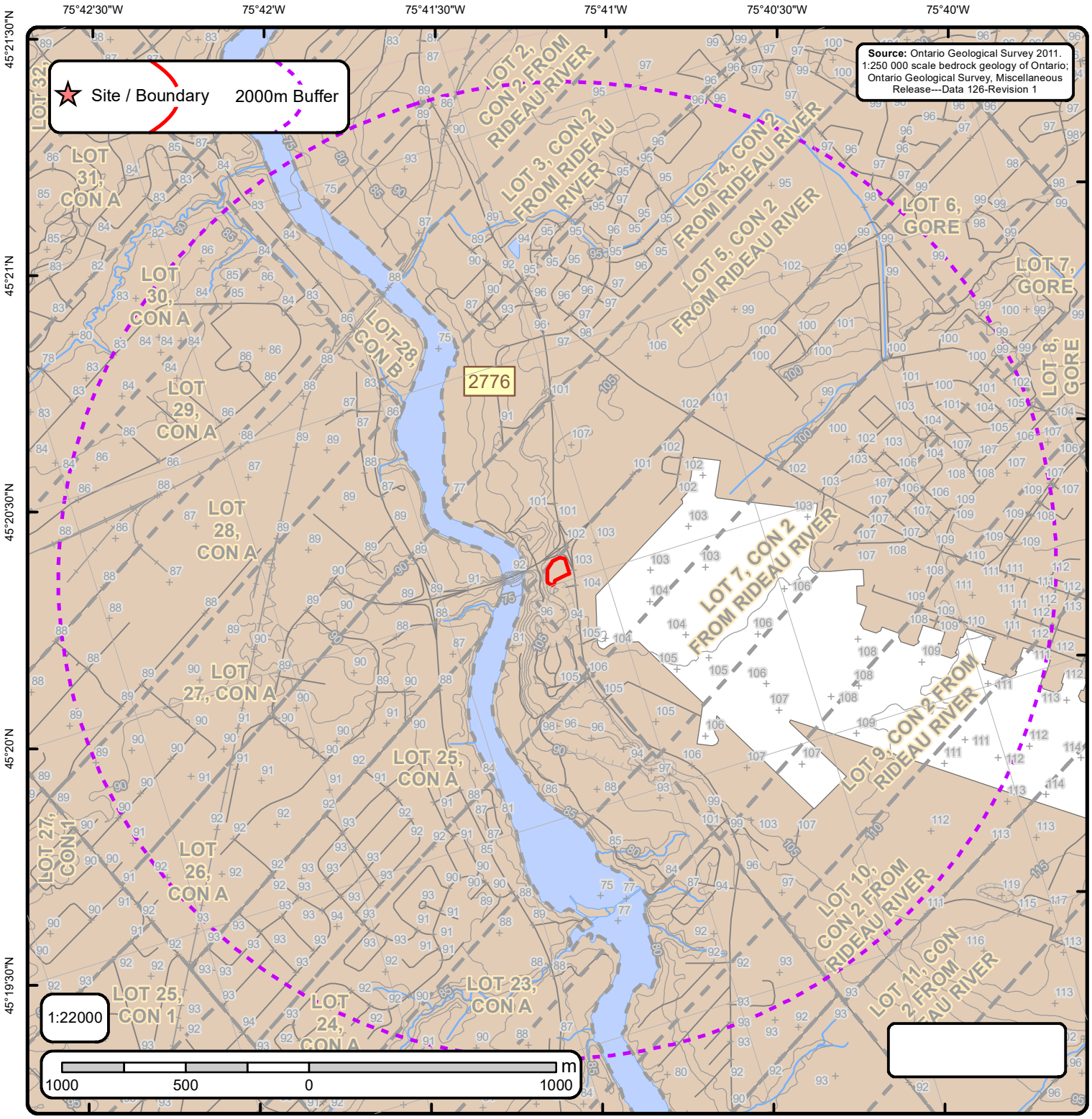
Spot Height	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park
Railroads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

ANSI Report

ANSI Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

No ANSI units found within search area.



Bedrock Geology of Ontario

Order No. 24032000375

Spot Height
Roads
Contour Lines
Streams
Railroads
Lots
Pit or Quarry
Airports
Waterbody
Wetlands

Bedrock Geology Lines

- CONTACT, GEOPHYSICAL, TREND, INTERPRETED
- CONTACT, SHARP, TREND, INTERPRETED
- CONTACT, SHARP, TREND, OBSERVED
- FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION
- FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION
- NEATLINE
- ONTARIO BORDER
- Marble, chert, iron formation, minor metavolcanic rocks

Dikes

- Abitibi mafic dike
- Biscotasing mafic dike
- Empey Lake mafic dike
- Felsic to intermediate intrusive rocks
- Fort Frances mafic dike
- Frontenac mafic dike
- Grenville mafic dike
- Logan and Nipigon mafic sills
- Mackenzie mafic dike
- Mafic dikes of uncertain age
- Mafic sills and dikes
- Marathon mafic dike
- Marathon, Kapuskasing or Biscotasing mafic dike
- Matachewan mafic dike
- Mine Centre mafic dike
- Molson mafic dike
- North Channel mafic dike
- Pickle Crow mafic dike (Molson swarm) normal
- Pickle Crow mafic dike (Molson swarm) reverse
- Rideau mafic dike
- Sudbury mafic dike
- Ultramafic, gabbroic and granophyric intrusions
- Unsubdivided mafic dike
- Unsubdivided mafic dike (Keweenawan age)
- unknown

C Lines

- FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION
- FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION
- FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION
- FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION

Kimberlite

Bedrock Geology Report

Bedrock Geology units found within 2000 m of Riverside Drive

Order No. 24032000375

ID: 2776 | **Unit Name:** |
Type (All): 53 | **Type (Primary):** 53 | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Dolostone, sandstone | **Strata (Primary):** Beekmantown Group | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** LOWER ORDOVICIAN | **Province (Primary):**

Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126 Revision1

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

```
Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)
```

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

```
PRECAMBRIAN (0.542 Ga to <3.85 Ga)
```

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

```
ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)
```

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

```
MESOARCHEAN (2.8 Ga to 3.2 Ga)                MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)         EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)                 NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)           PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)   MESOZOIC (65.5 Ma to 251.0 Ma)
```

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

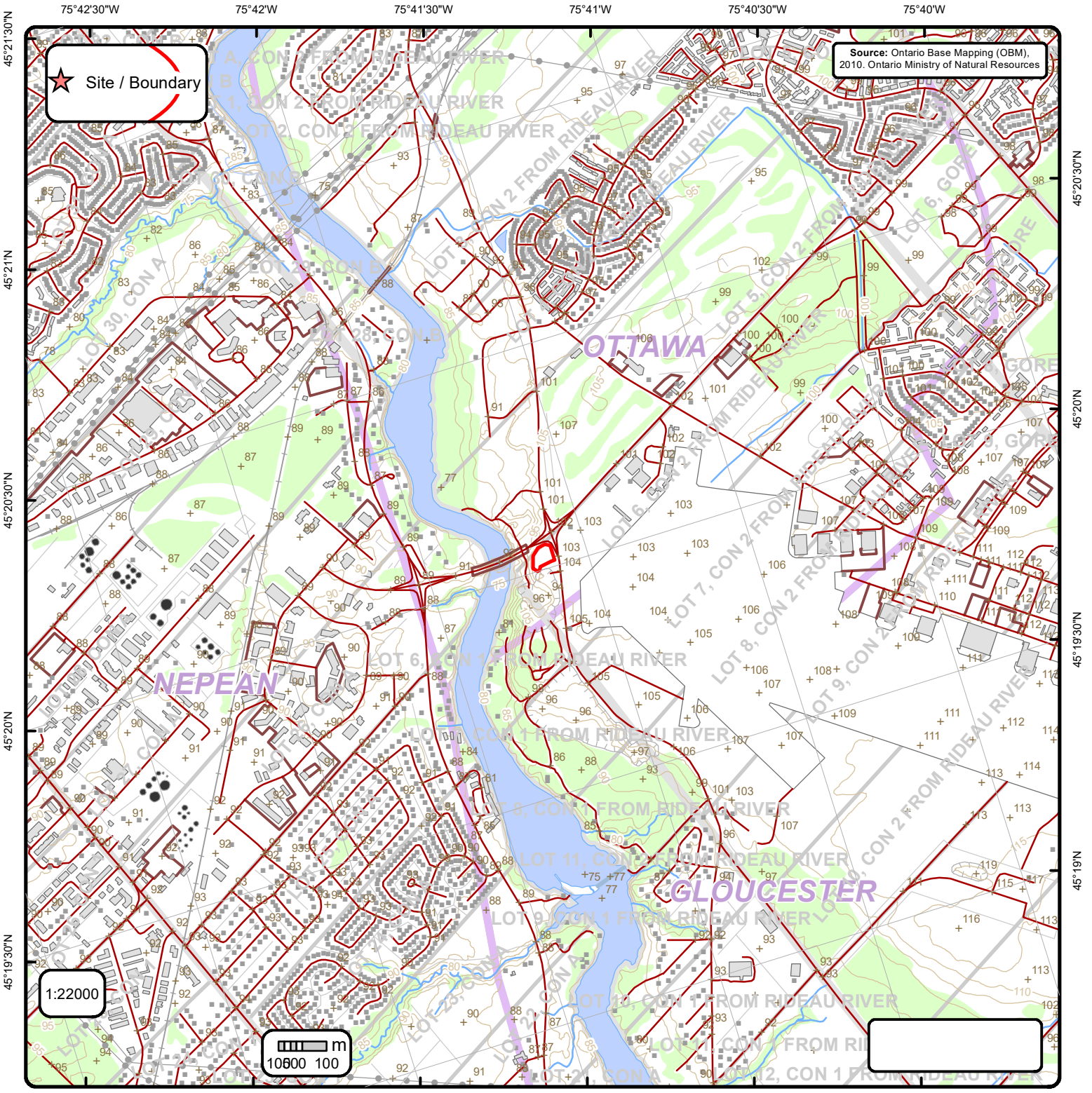
```
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)
```

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

```
LOWER ORDOVICIAN                    UPPER SILURIAN
MIDDLE ORDOVICIAN                   LOWER DEVONIAN
UPPER ORDOVICIAN                    MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN           UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN    LOWER CRETACEOUS AND MIDDLE JURASSIC
```

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```



Ontario Base Mapping (OBM) Data

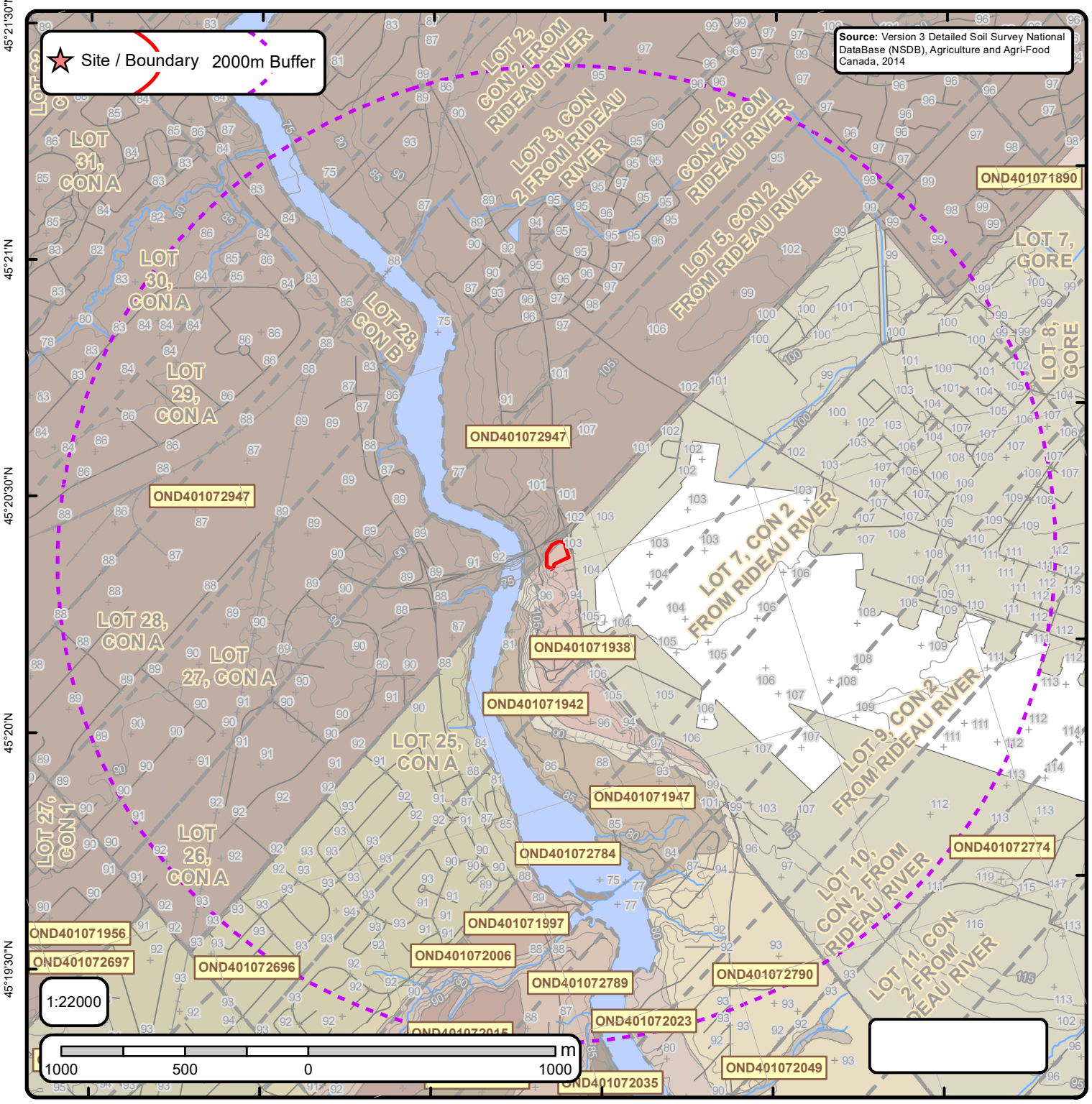
Order No. 24032000375

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	

Physiography of Southern Ontario

Order No. 24032000375

- Spot Height
- Roads
- Railroads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody
- Boulder Pavement
- Dissected Terrain
- Mud Flow Scars
- Sand Dunes
- escarpment
- shorecliff
- shorecliff (weakly developed)
- Physiography Regions
- Bare Rock Ridges And Shallow Till
- Beaches
- Bevelled Till Plains
- Clay Plains
- Drumlins
- Escarpments
- Eskers
- Kame Moraines
- Limestone Plains
- Peat And Muck
- Sand Plains
- Shale Plains
- Shallow Till And Rock Ridges
- Spillways
- Till Moraines
- Till Plains (Drumlinized)
- Till Plains (Undrumlinized)



Detailed Soil Survey (ON Soils)

Order No. 24032000375

- Spot Height
- Railroads
- Roads
- Contour Lines
- Streams
- Lots
- Pit or Quarry
- Airports
- Wetlands
- Waterbody

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401071942
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZES~~~~~N | **Surface Stoniness Class** : Slightly stony | **Slop Steepness(%)** : 12.0 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Presence of adverse Topography | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : Ah | **Layer No** : 1 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 15 | **Total Silt(%)** : 60 | **Total Clay(%)** : 25 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.589 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071938
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071947
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONRUB~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.685 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 12-30 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.927 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 30-50 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 88 | **Total Silt(%)** : 7 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 4.953 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-100 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 92 | **Total Silt(%)** : 6 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.9 | **Saturated Hydraulic Conductivity(cm/h)** : 6.887 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401071947
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Very severe limitations preclude annual cultivation; improvements feasible. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072774
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072035
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONPPV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 41 | **Total Sand(%)** : 52 | **Total Silt(%)** : 31 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 3.2 | **pH in Calc Chloride** : 7.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.455 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-24 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 38 | **Total Sand(%)** : 53 | **Total Silt(%)** : 39 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 2.56 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 24-50 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 73 | **Total Silt(%)** : 23 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.7 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.837 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 50-54 | **Horizon** : Bmgj | **Layer No** : 4 | **Very Fine Sand(%)** : 35 | **Total Sand(%)** : 78 | **Total Silt(%)** : 19 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.904 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 54-63 | **Horizon** : Bg | **Layer No** : 5 | **Very Fine Sand(%)** : 57 | **Total Sand(%)** : 61 | **Total Silt(%)** : 32 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.989 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 63-86 | **Horizon** : Bg | **Layer No** : 6 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 56 | **Total Silt(%)** : 33 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.634 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 86-100 | **Horizon** : Cg | **Layer No** : 7 | **Very Fine Sand(%)** : 32 | **Total Sand(%)** : 37 | **Total Silt(%)** : 47 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 0.0 |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401072035
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCST~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : medium - moderately fine loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 30 | **Total Silt(%)** : 59 | **Total Clay(%)** : 11 | **Organic Carbon(%)** : 2.6 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 1.156 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 20-35 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 38 | **Total Silt(%)** : 48 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.847 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 35-110 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 66 | **Total Sand(%)** : 67 | **Total Silt(%)** : 30 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 5.398 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072784
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZZZ~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-100 | **Horizon** : -- | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : None | **pH in Calc Chloride** : None | **Saturated Hydraulic Conductivity(cm/h)** : None | **Electrical Conductivity(dS/m)** : None |

Soil ID: OND401072696
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401072015
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCRP~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : clay loam | **Field Crops Capability** : No significant limitations in use for Crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-28 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 28 | **Total Silt(%)** : 46 | **Total Clay(%)** : 26 | **Organic Carbon(%)** : 3.5 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.568 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-43 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 21 | **Total Silt(%)** : 48 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.288 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 43-70 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 20 | **Total Silt(%)** : 49 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.287 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-95 | **Horizon** : BCg | **Layer No** : 4 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 17 | **Total Silt(%)** : 50 | **Total Clay(%)** : 33 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 1.932 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 95-115 | **Horizon** : Cg | **Layer No** : 5 | **Very Fine Sand(%)** : 17 | **Total Sand(%)** : 18 | **Total Silt(%)** : 48 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.214 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072015
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONNGW~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-25 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 43 | **Total Silt(%)** : 41 | **Total Clay(%)** : 16 | **Organic Carbon(%)** : 3.9 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.375 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-37 | **Horizon** : Bgj | **Layer No** : 2 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 45 | **Total Silt(%)** : 40 | **Total Clay(%)** : 15 | **Organic Carbon(%)** : 3.3 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.752 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-100 | **Horizon** : Cg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 20 | **Total Silt(%)** : 63 | **Total Clay(%)** : 17 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.29 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072790
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONBDO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Apg | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 14 | **Total Silt(%)** : 52 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 46 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 47 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401072023
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONRDU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : clay | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-23 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 5 | **Total Silt(%)** : 27 | **Total Clay(%)** : 68 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.31 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 23-29 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 21 | **Total Clay(%)** : 76 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.246 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 29-37 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 18 | **Total Clay(%)** : 81 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 6.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.246 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 37-100 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 1 | **Total Silt(%)** : 22 | **Total Clay(%)** : 77 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.192 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072023
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071997
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBDO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Apg | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 14 | **Total Silt(%)** : 52 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 46 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 47 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401071997
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : Presence of adverse Topography | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072011
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072011
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMOK~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-26 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 79 | **Total Silt(%)** : 15 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.871 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 26-42 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 4.747 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 42-66 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 81 | **Total Silt(%)** : 15 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-98 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 19 | **Total Silt(%)** : 29 | **Total Clay(%)** : 52 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.203 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 98-109 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 12 | **Total Clay(%)** : 85 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401072947
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Charateristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072006
Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

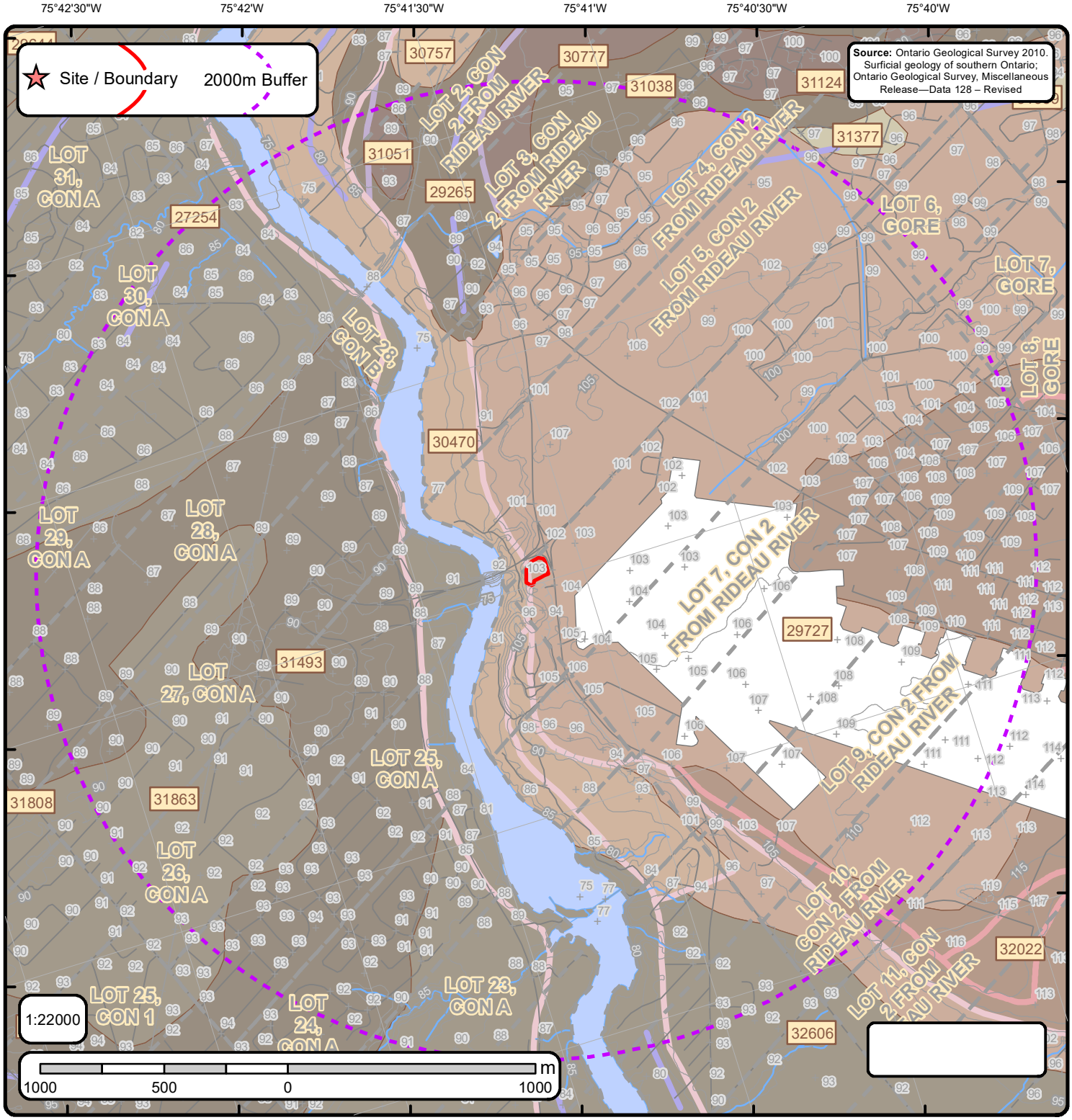
Soil ID: OND401072006
Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMOK~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-26 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 79 | **Total Silt(%)** : 15 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 5.871 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 26-42 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 21 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 4.747 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 42-66 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 23 | **Total Sand(%)** : 81 | **Total Silt(%)** : 15 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 5.129 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-98 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 19 | **Total Silt(%)** : 29 | **Total Clay(%)** : 52 | **Organic Carbon(%)** : 0.3 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.203 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 98-109 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 12 | **Total Clay(%)** : 85 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 7.2 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soils Report

Soil Map Units Found within 2000 m of
Riverside Drive

Order No.
24032000375

Soil ID: OND401072789
Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONDHU~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : Adverse soil structure (i.e. Depth of rooting zone is restricted) | **Second CLI Limitation Subclass** : Presence of adverse Topography | **Depth(cm)** : 0-14 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 14 | **Total Silt(%)** : 57 | **Total Clay(%)** : 29 | **Organic Carbon(%)** : 2.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.353 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 14-46 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 8 | **Total Sand(%)** : 18 | **Total Silt(%)** : 47 | **Total Clay(%)** : 35 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.272 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-110 | **Horizon** : Cgj | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 13 | **Total Silt(%)** : 43 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.201 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 110-120 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 7 | **Total Silt(%)** : 47 | **Total Clay(%)** : 46 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.195 | **Electrical Conductivity(dS/m)** : 0 |



The Surficial Geology of Southern Ontario

Order No. 24032000375

Spot Height	Streams	Dune	Beach	Esker	karst	pitsg		
Waterbody	Contour Lines	Lake	Bluff	Esker ND	linfeat	popup		
Wetlands	Roads	Rib	Crevasse	Fluvial DL	megarip	ribl		
Airports	Railroads	Scab	Crest	fluvndl	mfluvdl	slidel		
Pit or Quarry	Morains	Slide	End	iceberg	mfluvndl	slumpb		
Lots		NOF Dune	Escarpment	icslope	moraine	terrace		

Surface Geology Report

Surface Geology units found within 2000 m of Riverside Drive

Order No. 24032000375

ID: 27254 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 29265 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 29727 | **Unit Name:** Nearshore sediments |
Deposit Type Code: 5b | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Fine-to medium-grained sand, calcareous and commonly fossiliferous; nearshore sand generally occurs as a sheet or as bars or spits associated with glaciofluvial materials.

ID: 30470 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 30777 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occuring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

Surface Geology Report

Surface Geology units found within 2000 m of Riverside Drive

Order No. 24032000375

ID: 31038 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 31051 | **Unit Name:** Bedrock |
Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occuring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.

ID: 31493 | **Unit Name:** Deltaic and estuarine deposits |
Deposit Type Code: 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

ID: 31863 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a

ID: 32022 | **Unit Name:** Glaciofluvial deposits |
Deposit Type Code: 2 | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand, gravel | **Primary Material Modifier:** | **Secondary Material:** diamicton | **Primary General:** glaciofluvial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Glaciofluvial deposits: Gravel and sand, poorly to well sorted and bedded, mainly coarse-to medium-grained with numerous cobbles, boulders and lenses of till

Surface Geology Report

Surface Geology units found within 2000 m of Riverside Drive

Order No. 24032000375

ID: 32606 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a

Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier- This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.

Appendix B Freedom of Information

Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197

4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PID2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
12232	4059930 CANADA INC	Service Industries Incident	2005-PropertyAssessment	1	2005	c. 2005	4000	RIVERSIDE	DR		OTTAWA	4000	RIVERSIDE	DR		K1V2E8	45891660	OLD OTTAWA	488111; 488119;				925.6857455	35028.48026
12233	PETRO CANADA	Service Stations-Gasoline	2006-ES; 2012-ES; 2017-SalesG	1	2006-2012	ES 2006; E	4000	RIVERSIDE	DR			4000	RIVERSIDE	DR		K1V2E8	45891660	OLD OTTAWA	447110				925.6857455	35028.48026
12887	UNNAMED SAND/GRAVE	Sand and Gravel Pits	1922-DMD-TM-Ottawa-Sheet#14	1	1912-1967	c. 1912-19	0	UPLANDS	DR		OTTAWA	4070	RIVERSIDE	DR			45891796	OLD OTTAWA	212323	82	UTM = 445600E, 502020(		7000.873667	715209.3956
13325	CFB UPLANDS, OTTAWA	CFB Uplands, Ottawa Inte	1941-Topo; 1957-Topo; 1979-To	1	1941-1975																		28999.27758	21055495.61
13353	KENTING	Combined Publishing and	1994-PID	1	1994		380	HUNT CLUB	RD		OTTAWA	380	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13354	OTTAWA AERO SERVICI	Service Industries Incident	1970-M	1	1970			HUNT CLUB	RD		OTTAWA	0	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13355	PYRAMID AVIATION	Service Industries Incident	1998-SC	1	1998			HUNT CLUB	RD		OTTAWA	0	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13356	PERSONAL PLANE SER	Service Industries Incident	1970-M	1	1970			HUNT CLUB	RD		OTTAWA	0	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13357	CAPITAL CITY HELICOP	Service Industries Incident	1998-SC	1	1998			HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13358	LAURENTIAN AIR SERVI	Service Industries Incident	1957-1980-M	1	1957-1980			HUNT CLUB	RD		OTTAWA	0	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13359	NORTH ATLANTIC TRAN	Service Industries Incident	1998-SC	1	1998			HUNT CLUB	RD		OTTAWA	0	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13360	NORTH WEST AIRLINES	Service Industries Incident	1998-SC	1	1998			HUNT CLUB	RD		OTTAWA	0	HUNT CLUB	RD			40550948	OTTAWA					31824.00214	12498102.49
13866	ROCKCLIFFE AVIATION	Air Transport Industries	2003-PID	1	2003		100	THAD JOHNSON	RD		OTTAWA					K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13867	AER RIANTA INTERNATI	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13868	AIR LAURENTIAN	Service Industries Incident	2001-ES	1	2001		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13869	AIR NORTERRA INC	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13870	ALLSTREAM	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13871	AMERICAN EAGLE AIRLI	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13872	AVIS RENT A CAR SYSTI	Service Industries Incident	2005-SelectPhone; 2016-PID	1	2005-2016		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13873	BUDGET CAR AND TRUC	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13874	CANADIAN AIR TRANSP	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13875	CARA OPERATIONS LIM	Service Industries Incident	1994-PID; 2005-SelectPhone	1	1994-2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13876	CATSA	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13877	ENTERPRISE RENT A CA	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13878	EXPRESS AIRLINES INC	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13879	HDS RETAIL NORTH AM	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13880	HOME TEAM SPORTS TI	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13881	ICE CURRENCY SERVIC	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13882	KAREVAN AIR SERVICE!	Service Industries Incident	2001-ES; 2005-SelectPhone	1	2001-2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13883	KNIGHTHAWK AIR EXPR	Service Industries Incident	1998-SC; 2000-PID; 2001-ES; 2(	1	1998-2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13884	OGDEN AVIATION	Service Industries Incident	2000-PID; 2001-ES; 2005-Select	1	2000-2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13885	OPUS CANADA HOLDIN	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13886	OTTAWA MACDONALD-(	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13887	PARS TRANSPORT	Service Industries Incident	2001-ES; 2005-SelectPhone	1	2001-2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13888	PLH AVIATION SERVICE	Service Industries Incident	2000-PID; 2003-PID	1	2000-2003		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13889	SKYPORT INTERNATION	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13890	TILDEN CAR RENTAL IN	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13891	US AIRWAYS INC	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13892	VINCOR INTERNATIONA	Service Industries Incident	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13893	WORLDWIDE FLIGHT SE	Service Industries Incident	2003-PID; 2005-SelectPhone	1	2003-2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13894	AVITAT OTTAWA	Communication and Other	2005-SelectPhone	1	2005		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13895	CANADA 3000 AIRLINES	Communication and Other	1998-SC; 2001-ES	1	1998-2001		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13896	CANADIAN AIRLINES INT	Communication and Other	1994-PID; 2005-SelectPhone	1	1994-2005		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13897	ESSO PETROLEUM CAN	Communication and Other	2000-PID	1	2000		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13898	HUDSON GENERAL AVI	Communication and Other	2001-ES; 2005-SelectPhone; c.<	1	1999-2005		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13899	KLM ROYAL DUTCH AIRI	Communication and Other	1994-PID	1	1994		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13900	M AND M FLIGHT SERVI	Communication and Other	2000-PID; 2003-PID	1	2000-2003		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13901	SHELL AEROCENTRE O	Communication and Other	2000-PID	1	2000		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13902	WOODLAWN INSTRUME	Communication and Other	1998-SC; 2003-PID; 2016-PID	1	1998-2016		1601	TOM ROBERTS	RD		GLOUCES	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13903	CANADIAN AVIATION M	Air Transport Industries	2003-PID	1	2003		300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13904	KELOWNA FLIGHTCRAFT LIMITED	Air Transport Industries	2000-PID; 2001-ES; 2003-PID; 2005-SelectPhone	1	2000-2005		300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
13905	QUESTRAL HELICOPTERS LIMITED	Air Transport Industries	2005-SelectPhone; 2017-SalesGenie	1	2005-2017		300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49
14104	NATIONAL CAR RENTAL	Service Industries Incidental to Air Transport	2005-PropertyAssessment; 2016-PID	1	2005	c. 2005	1003	AIRPORT PARKWAY	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	488111; 488119; 488190		Administration Building		31824.00214	12498102.49
14105	AIR CANADA	Construction	2001-ES; 2006-ES; 2012-ES; 2016-PID	1	2001-2016	2001-2016	50	AIRPORT FIRST	AVE			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	231310; 481110; 485990; 911110; 911910				31824.00214	12498102.49
14106	FED-TRANSPORT CANADA	Construction	2001-ES; 2006-ES; 2012-ES	1	2001-2012	ES 2001; ES 2006; ES 2012	50	AIRPORT FIRST	AVE			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	231310; 481110; 485990; 911110; 911910				31824.00214	12498102.49
14107	R W TOMLINSON LTD	Highway Street and Bridge Construction	2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	50	AIRPORT FIRST	AVE			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	231310; 481110; 485990; 911110; 911910				31824.00214	12498102.49
14108	AEROMAG 2000YOW	Service Industries Incidental to Air Transport	2005-SelectPhone; 2006-ES; 2012-ES; 2016-PID	1	2005-2016	2006-2016	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14109	AIR TRANSAT	Transportation and warehousing	2003-PID; 2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14110	AMERICAN AIRLINES	Transportation and warehousing	2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14111	BEARSKIN AIRLINES	Transportation and warehousing	2005-SelectPhone; 2006-ES; 2012-ES	1	2005-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14112	CANJET AIRLINES	Transportation and warehousing	2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14113	FED-NATIONAL DEFENCE AND THE CANADIAN FORCES	Defence Services	2000-PID; 2001-ES; 2004-GWStudy; 2006-ES; 2012-ES	1	2000-2012	2000-2012	50	AIRPORT FIRST	AVE			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	231310; 481110; 485990; 911110; 911910				31824.00214	12498102.49
14114	FED-NRC SURFACE TRANSPORTATION FACILITY	Public administration	2012-ES	1	2012	ES 2012	2320	LESTER	RD			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	911910				31824.00214	12498102.49
14115	MICHANIE CONSTRUCTION INC	Residential Building Construction	2012-ES	1	2012	ES 2012	190	CONVAIR	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	231210				31824.00214	12498102.49
14116	OTTAWA AVIATION SERVICES	Educational services	2001-ES; 2006-ES; 2012-ES	1	2001-2012	2001-2012	220	HUNT CLUB	RD			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	611690				31824.00214	12498102.49
14117	PORTER AIRLINES	Transportation and warehousing	2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14118	SUNWING AIRLINES	Transportation and warehousing	2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14119	UNITED AIRLINES	Transportation and warehousing	2006-ES; 2012-ES	1	2006-2012	ES 2006; ES 2012	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 488190; 911910				31824.00214	12498102.49
14120	ZOOM AIRLINES	Transportation and warehousing	2006-ES	1	2006	ES 2006	380	HUNT CLUB	RD			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110				31824.00214	12498102.49
14121	HYDRO OTTAWA	Electric Power Distribution	2006-ES	1	2006	ES 2006	350	HUNT CLUB	RD			300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	221122				31824.00214	12498102.49
14122	BUSINESS EXPRESS AIRLINES	Transportation and warehousing	2001-ES	1	2001	ES 2001	50	AIRPORT FIRST				300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	481110; 481214; 485210; 911110; 911910		historic address		31824.00214	12498102.49
14123	COLE GROUP	Customs Brokers	2004-GWStudy	1	1949	GW Study 2004 Scotts					GLOUCES TER	300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	488519	4731	140 Thad Johnson Rd		31824.00214	12498102.49

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_HUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_HUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PID2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
14124	FRITZ	Customs Brokers & Freight Forwarding, Freight Consolidators	2004-GWStudy	1	2004	GW Study 2004 Scotts					GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	488519	4731	140 Thad Johnson Rd		31824.00214	12498102.49
14125	LIVINGSTON INTERNATIONAL INC	Customs Brokers & Freight Forwarding	2004-GWStudy; 2012-ES	1	1946	GW Study 2004 Scotts					GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	488519	4731	PO Box 246		31824.00214	12498102.49
14126	MSAS GLOBAL LOGISTICS	Customs Brokers & Freight Forwarding, Freight Consolidators	2004-GWStudy	1	1993	GW Study 2004 Scotts					GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	488519	4731	140 Thad Johnson Rd		31824.00214	12498102.49
14127	OVERSEAS EXPRESS CONSOLIDATORS	Freight Consolidators, Freight Forwarding	2001-ES; 2004-GWStudy; 2006-ES; 2012-ES	1	2001-2004	2001-2004					GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	488519	4731	140 Thad Johnson Rd		31824.00214	12498102.49
14128	PBB GLOBAL LOGISTICS	Customs Brokers & Freight Forwarding	2004-GWStudy	1	1946	GW Study 2004 Scotts					GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	488519	4731	140 Thad Johnson Rd		31824.00214	12498102.49
14129	TRANSPORT CANADA - AIRCRAFT SERVICES		2004-GWStudy; 2005-SelectPhone; 2016-PID	1	2005-2016	2004-2016					GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA					31824.00214	12498102.49
14130	OTTAWA INTERNATIONAL AIRPORT/CFB OTTAWA	Aircraft and Aircraft Parts Industry	1922-DMD-TM-Ottawa-Sheet#14; 1948-DND-ASE-NTS-31G/5; 1967-EMR-SMB-NTS-31G/5-7thed; 1985-EMR-SMB-NTS-31G/5-11thed; 2016-PID; 2017-SalesGenie	1	1919-2017	1919-2017	0				OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	212323; 238910; 336320; 336410; 412110; 419120; 454310; 488111; 488119; 488190; 532410; 561722; 911110	82; 321; 412; 452; 511; 811	(see file for additional comments): In 1922 this site was known as the Uplands Airport and the size of the area was smaller. Gravel Pit #1 UTM = 451000E, 5015950N (1967). Gravel Pit #2 UTM = 450000E, 5017000N (1967).	4 Vertical Tanks (1967, 1985 - not water), 2 Horizontal Tanks (1985 - not water).	31824.00214	12498102.49
14131	PCL CONSTRUCTORS CANADA	Residential Building and Development	2005-SelectPhone	1	2005	c. 2005	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	236110				31824.00214	12498102.49
14132	THE OTTAWA SUN	Combined Publishing and Printing Industries	1994-PID; 2003-PID	1	1994-2003	c. 1994; c. 2001; c. 2003; c. 2005	380	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	511110; 511120; 511130; 512230	284			31824.00214	12498102.49
14133	TOP FLITE FUELERS AIRPORT TERMINAL	Aircraft and Aircraft Parts Industry	1998-SC	1	1998	c. 1998	50	AIRPORT	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	336320; 336410	321			31824.00214	12498102.49
14134	FUGRO AIRBORN SURVEYS	Air Transport Industries	2003-PID	1	2003	c. 2003; c. 2005	300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	481110; 481214; 481215; 487990; 621912		OTTAWA INTERNATIONAL AIRPORT, SHELL AEROCENTRE		31824.00214	12498102.49
14135	CANEX	Gasoline Service Stations	1980-M	1	1980	c. 1980	3	CROIL	AVE		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	447110; 447190; 811199	633			31824.00214	12498102.49
14136	OTTAWA FLYING CLUB	Service Industries Incidental to Air Transport	1957-FIP-508-50800; 1957-M; 1960-M; 1970-M; 1980-M; 1998-SC; 2001-ES; 2003-PID; 2005-SelectPhone; 2006-ES; 2012-ES; 2016-PID	1	1957-2016	1957-2016	0	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	481110; 481214; 481215; 487990; 488111; 488119; 488190; 532410; 561722; 611510; 621912	451; 452		2 - large underground aviation gasoline tanks (square) - 2 UST - (tubular)	31824.00214	12498102.49
14137	FIRST AIR	Air Transport Industries	1998-SC; 2005-SelectPhone; 2017-SalesGenie	1	1998-2017	1998-2017	100	THAD JOHNSON	PVT			300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	481110; 481214; 481215; 487990; 488111; 488119; 488190; 611510; 621912	451			31824.00214	12498102.49
14138	NAV CANADA	Communication and Other Electronic Equipment Industries	1994-PID; 1998-SC; 2003-PID; 2006-ES; 2012-ES; 2016-PID	1	1994-2016	1994-2016	1601	TOM ROBERTS	RD		GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	324110; 325520; 325910; 325920; 334511; 336320; 336410; 481110; 481214; 481215; 487990; 488111; 488119; 488190; 532310; 532410; 561722; 562990; 611510; 621912	321; 379; 451; 452			31824.00214	12498102.49
14139	INNOTECH AVIATION LIMITED	Protective Services	2000-PID; 2003-PID; 2005-SelectPhone; 2016-PID; 2017-SalesGenie	1	2000-2017	2000-2017	260	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	911290		OTTAWA INTERNATIONAL AIRPORT, BUILDING T104		31824.00214	12498102.49
14140	IOGEN CORPORATION	Industrial Chemicals Industries n.e.c.	1994-PID; 2000-PID; 2016-PID	1	1994-2016	1994-2016	400	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	325110; 325120; 325130; 325181; 325180; 325313; 325410; 325610; 334220; 339990	371			31824.00214	12498102.49
14141	JOHNSON CONTROLS	Electrical and Electronic Machinery, Equipment And Supplies, Wholesale	2005-SelectPhone	1	2005	c. 2005	1000	AIRPORT PARKWAY	PVT			300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	416110				31824.00214	12498102.49
14142	MODERN CLEANERS	Laundries and Cleaners	1980-M	1	1980	c. 1980	3	CROIL	AVE		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	561740; 812310; 812320; 812330	972	Located on Uplands Air Base		31824.00214	12498102.49
14143	SURGENOR NATIONAL LEASING		2016-PID	1	2016	PID2016	170	PAUL BENOIT	DRWY		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14144	CANADA BORDER SERVICES AGENCY		2016-PID	1	2016	PID2016	140	THAD JOHNSON	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14145	AEROTERM MANAGEMENT, LLC		2016-PID	1	2016	PID2016	140	THAD JOHNSON	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14146	OAS MAINTENANCE INC		2016-PID	1	2016	PID2016	220	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14147	SANDER GEOPHYSICS LIMITED	Transportation and warehousing	2016-PID	1	2016	PID2016	260	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	481215		;		31824.00214	12498102.49
14148	OTTAWA HUNT AND GOLF CLUB, LIMITED		2016-PID	1	2016	PID2016	1	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14149	BRADLEY AIR SERVICES LIMITED / FIRST AIR		2000-PID; 2003-PID; 2005-SelectPhone; 2016-PID	1	2000-2016	PID2016	100	THAD JOHNSON	PVT		GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		100 THAD JOHNSON ROAD, UNIT #1		31824.00214	12498102.49
14150	INLAND TECHNOLOGIES CANADA INC		2016-PID	1	2016	PID2016	50	AIRPORT	RD		GLOUCESTER	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		50 AIRPORT ROAD		31824.00214	12498102.49
14151	CGG AVIATION (CANADA) LIMITED		2016-PID	1	2016	PID2016	300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		SHELL AEROCENTRE		31824.00214	12498102.49
14152	EXECAIRE		2016-PID	1	2016	PID2016	300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14153	JAZZ AVIATION LP		2016-PID	1	2016	PID2016	300	COMET	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14154	PSP MILITARY HOUSING		2016-PID	1	2016	PID2016	200	DE NIVERVILLE	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14155	CANADA AVIATION MAINTENANCE INC		2016-PID	1	2016	PID2016	20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14156	NOVOZYMES CANADA LIMITED	Manufacturing	2016-PID	1	2016	PID2016	300	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	325999		<Null>		31824.00214	12498102.49
14157	CITY OF OTTAWA	Other services (except public administration)	2016-PID	1	2016	PID2016	360	HUNT CLUB	RD		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	812930		;		31824.00214	12498102.49
14158	ONRGE		2016-PID	1	2016	PID2016	140	THAD JOHNSON	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		Unit 5		31824.00214	12498102.49
14159	WESTJET AIRLINES LIMITED	Service Industries Incidental to Air Transport	2005-SelectPhone; 2016-PID	1	2005-2016	PID2016	300	COMET	DR		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	<Null>		;		31824.00214	12498102.49
14160	AIRCRAFT SERVICE INTL	Aircraft Servicing & Maintenance	2017-SalesGenie	1	2017	SalesGenie 2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	48819004	4581-04			31824.00214	12498102.49
14161	ASIG CANADA	Aircraft Servicing & Maintenance	2016-PID; 2017-SalesGenie	1	2016-2017	2016-2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	48819004	4581-04			31824.00214	12498102.49
14162	CANADIAN NORTH	Airline Companies	2006-ES; 2012-ES; 2017-SalesGenie	1	2006-2017	2006-2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	48111102	4512-01	2652		31824.00214	12498102.49
14163	CARGOJET	Air Cargo Service	2017-SalesGenie	1	2017	SalesGenie 2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40650948	OLD OTTAWA	48111201	4512-02			31824.00214	12498102.49

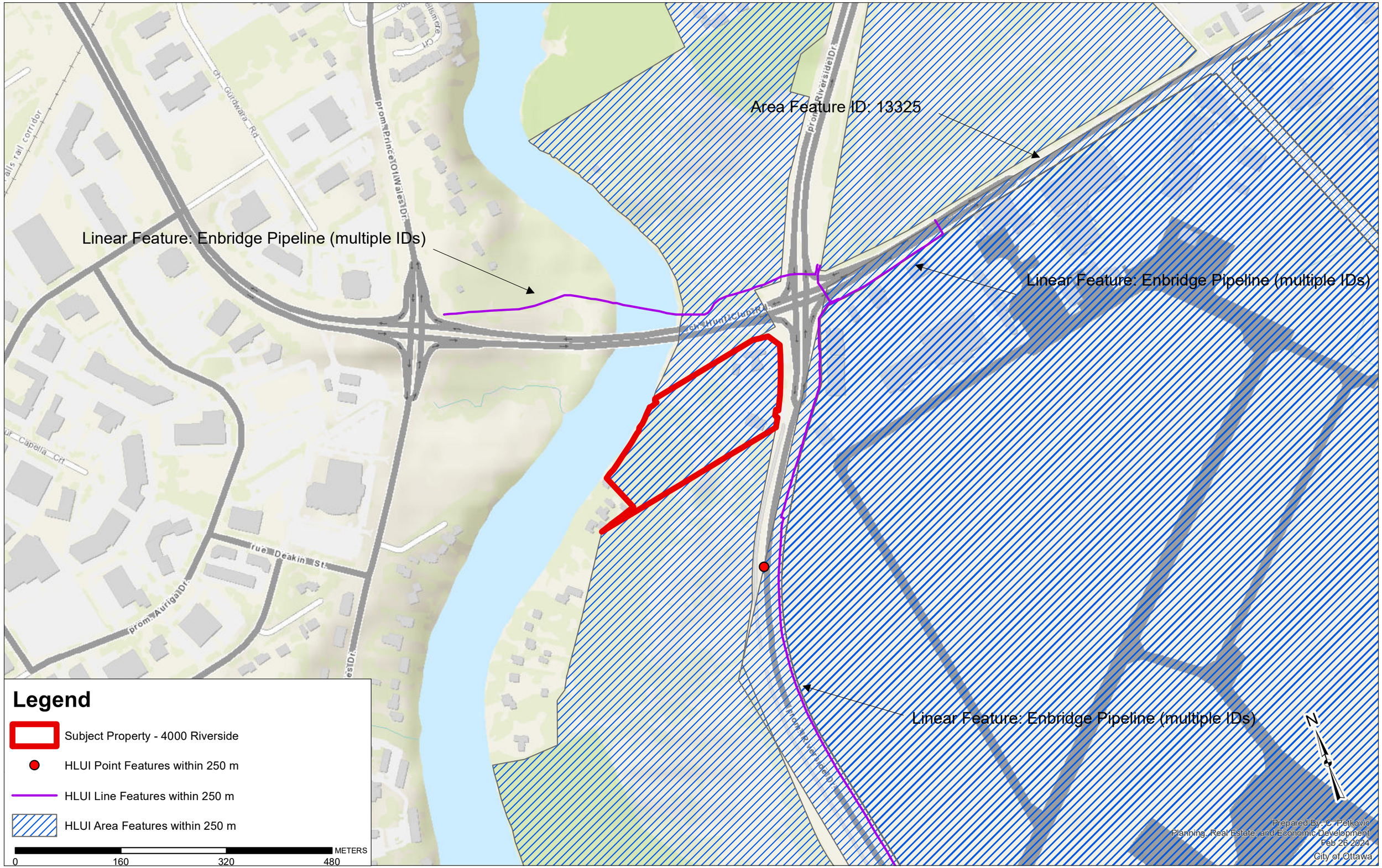
OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALITY	ST_NUM2017	ST_NAME2017	ST_SUFFIX2017	ST_DIR2017	POSTAL_CODE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
14164	JUST JUNK	Recycling Centers (Whls)	2017-SalesGenie	1	2017	SalesGenie 2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	42393017	5093-12			31824.00214	12498102.49
14165	PARS 2000	Trucking	2001-ES; 2006-ES; 2012-ES; 2017-SalesGenie	1	2001-2017	2001-2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	48423013	4213-04	165		31824.00214	12498102.49
14166	SKYSERVICE AIRLINES INC	Aircraft Charter Rental & Leasing Svc	2005-SelectPhone; 2016-PID; 2017-SalesGenie	1	2005-2017	2016-2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	53241101	7359-39			31824.00214	12498102.49
14167	SWISSPORT CANADA HANDLING INC	Air Cargo Service	2016-PID; 2017-SalesGenie	1	2016-2017	2016-2017					OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	OLD OTTAWA	48111201	4512-02	2651		31824.00214	12498102.49
16389	BOWESVILLE GENERAL STORE	Other Storage and Warehousing Industries	1988-GloucesterHistSoc-3oc.Pub.No.3-1988	1	1897-1951	c. 1897-1951	0	BOWESVILLE	RD		OTTAWA	3812	NORTH BOWESVILLE	RD			40560304	OLD OTTAWA	412110; 418390; 419120; 444220; 447110; 447190; 454310; 493120; 493130; 493190; 811199	479; 511; 593; 633	Storehouse listed materials; pesticides, herbicides, ammunition, dynamite, & assorted building supplies	2 AGT - 500 gal. (kerosene, located in building) 1 UST - (coal oil, loacated out of building) 1 UST - (gasoline)	1854.226863	188079.6477
17379	1562066 ONTARIO INC	Service Industries Incidental to Air Transport	2005-SelectPhone	1	2005		20	LINDBERGH	PVT		OTTAWA	300	HUNT CLUB	RD		K1V1C1	40550948	Old Ottawa					31824.00214	12498102.49

OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	TANK_LOCATION	TANK_CONTENT	TANK_SIZE	TANK_TYPE	TANK_STATUS	SOURCE	INSTALLED_ST_NUM	INSTALLED_ST_NAME	INSTALLED_ST_ABR	INSTALLED_ST_DIR	COMMENT	MTM_X	MTM_Y	IMAGE_MAP	IMAGE_CERTAINTY	IMAGE_MAP_2	TANK_MATERIAL	TANK_ID	TANK_LEAKING	TANK_REMOVED	REMOVED_DATE	DATE_INSTALLED	NATURE_OF_BUSINESS	SCANNED_DRAWING	TEMPREC_ordID	CAPACITY_UOM	MUNICIPALITY	POSTCODE
1666	1213475 ONTARIO INC C	Gasoline Station - Self S	UST	gasoline	50000	Licensed	Active	TSSA	4000	RIVERSIDE	DR			367985.5193	5021539.456				Fiberglass	ST8778				2003						
1667	1213475 ONTARIO INC C	Gasoline Station - Self S	UST	gasoline	50000	Licensed	Active	TSSA	4000	RIVERSIDE	DR			367985.5193	5021539.456				Fiberglass	ST8779				2003						
1668	1213475 ONTARIO INC C	Gasoline Station - Self S	UST	gasoline	50000	Licensed	Active	TSSA	4000	RIVERSIDE	DR			367985.5193	5021539.456				Fiberglass	ST8780				2003						

HLUI SUMMARY REPORT
LINEAR FEATURES

OBJECTID	SOURCE	FEATURE	YEAR	COMMENT	NAME	Shape_Length
1069	Enbridge	Gas Pipeline				5.681627
1139	Enbridge	Gas Pipeline				244.214205
1180	Enbridge	Gas Pipeline				209.998315
1181	Enbridge	Gas Pipeline				0.89502528
1182	Enbridge	Gas Pipeline				6.77974104
1328	Enbridge	Gas Pipeline				301.367641
1392	Enbridge	Gas Pipeline				11.4570025
1413	Enbridge	Gas Pipeline				228.100788
1481	Enbridge	Gas Pipeline				6.52726682
1482	Enbridge	Gas Pipeline				6.46181389
1491	Enbridge	Gas Pipeline				56.7658357
1492	Enbridge	Gas Pipeline				13.396249
1493	Enbridge	Gas Pipeline				51.7220913
1525	Enbridge	Gas Pipeline				7.99070917
1548	Enbridge	Gas Pipeline				84.8687298
1558	Enbridge	Gas Pipeline				9.36891685
1659	Enbridge	Gas Pipeline				1138.76256
1740	Enbridge	Gas Pipeline				3.47725764

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



File Number: D06-03-24-0019

March 22, 2024

Shabnam Salimi
SLR Consulting
2301 St-Laurent Boulevard, Ottawa, ON K1G 4J7

Sent via email ssalimi@slrconsulting.com

Dear Shabnam Salimi,

Re: Information Request
4000 Riverside Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

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

- **Environmental Remediation Unit:** The Environmental Remediation Unit (ERU) has a Phase I-II Environmental Site Assessment and Preliminary Geotechnical Investigation that includes a portion of this property (Paterson, 2002). Please contact ERU-UAE@ottawa.ca to obtain copies of the reports if required.

- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website: https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx

- **Sewer Use Program:** The City's Sewer Use Program has not found any information pertaining to the subject property.

- **Solid Waste Services:** The subject property is not located within 5 kilometers of any Solid Waste Services facilities.

Documents Provided:

HLUI Summary Report and HLUI Map

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

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

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

Ottawa Public Health

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

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

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

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

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

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

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

Sincerely,

Charlotte Petkovic
Student Planner

Per:

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

MB / **CP**

Enclosures: (2)
1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-24-0019

Ministry of the Environment, Conservation and Parks

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

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

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

Ontario

March 19, 2024

Shabnam Salimi
SLR Consulting (Canada) Ltd.
2301 St Laurent Blvd.,
Ottawa, Ontario K1G 4J7
ssalimi@slrconsulting.com

Dear Shabnam Salimi:

RE: MECP FOI A-2024-01036 – Record Release Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 4000 Riverside Drive, Ottawa.

Attached is a copy of the records.

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

If you have any questions, please contact Sylwia Rynkiewicz at 437-995-1618 or sylwia.rynkiewicz@ontario.ca.

Yours truly,

Sylwia

for
Josephine DeSouza
Manager (A), Access and Privacy Office

Attachment

Ontario

Ministry of the Environment
Ministère de l'Environnement

Industrial Sewage Inspection Report

Client:	City of Ottawa Mailing Address: 100 Constellation Cres, Ottawa, Ontario, Canada, K2G 6J8 Physical Address: 100 Constellation Cres, Ottawa, City, Ontario, Canada, K2G 6J8 Telephone: (613)580-2424, Extension: 21102, FAX: (613)560-2587, email: luc.marineau@ottawa.ca Client #: 4348-5F9JXE, Client Type: Municipal Government, NAICS: 913910		
Inspection Site Address:	Hunt Club- Rideau Bridge SWF Address: Lot: 5 & 6, Concession: I & II, Corner of Hunt Club and Riverside, Geographic Township: GLOUCESTER, Ottawa, City District Office: Ottawa GeoReference: , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude:		
Contact Name:	Chris Melanson	**Title:**	Coordinator, Stormwater Facility and Services
Contact Telephone:	(613)580-2424 **ext**23497	**Contact Fax:**	
Last Inspection Date:			
Inspection Start Date:	2011/12/16	**Inspection Finish Date:**	2011/12/16
Region:	Eastern		

1.0 INTRODUCTION

For Clarity within this report, it should be noted that the Ministry of the Environment has restructured their approvals process. As of October 31st, 2011, all Certificates of Approval will be referred to as Environmental Compliance Approvals (ECA).

This inspection was conducted on the Hunt Club - Rideau Bridge (East Approach) Stormwater Facility located at the corner of Hunt Club Road and Riverside Drive.

The facility includes a retention pond consisting of an infiltration base with an underground stone subdrain system and a flow control structure. The ECA was issued in December 1989 and amended in 1996.

The inspection consisted of a site visit, review of the 2010 and 2011 monitoring report and discussion with Chris Melanson, coordinator, stormwater facility operations and Christina, stormwater field technician.

2.0 INSPECTION OBSERVATION

Facility MEWS (Works) Number:
N/A

Sector Type:
Other

Specify Other:
Residential and commercial stormwater management facility

Effluent Type:
Storm Water

Receiver Type:
Surface Water

Name of Receiver:
Rideau River

Is there a sensitive receptor on/in the receiver?
Yes

Select the most important type of sensitive receptor.
Receiving Water

Certificate of Approval Number(s):
Yes
C of A Number(s): 3-1903-89-006

The ECA was first issued in 1989 and amended in 1996.

2.1 WASTEWATER TREATMENT PROCESS DESCRIPTION

The facility is designed to treat stormwater draining from nearby catchment areas and drains to the Rideau River.

The facility is required to sample from May 15th to September 15th but the facility usually operates from Mid- April to end of November. When the facility is in operation, stormwater flows into the pumping station to get drained into the stormwater pond, the water then percolates down though a gravel and sand filter bed and is collected into a clear stone underdrain network and then discharged into the Rideau River.
Outside of the operating season the facility is bypassed and stormwater flows directly to the Rideau River outfall.
Stormwater is collected and diverted to the facility by storm sewers. Two flow meters and composite samplers are set up to measure flow going into and out of the pond. The flowmeters trigger the composite samplers to take samples therefore taking samples during a storm events.
Influent bypass of the facility is also measured at the flow control structure.
City staff check the station every week during the operating season and download all information collected by the flowmeters.

Of note from the 2011 annual report is that there was some sand accumulation in the effluent drain pipe. The origin of the sand has not been identified, City staff are monitoring the situation.

2.2 EFFLUENT SUMMARY REPORT

What are the facility's effluent limits based on?
None

Does the facility comply with its limits?
Yes

The ECA does not list any effluent limits.

2.3 SEWAGE TREATMENT WORKS CAPACITY ASSESSMENT

Flow (m^3/day)	Year 1 2009	Year 2 2010	Year 3 2011

Average daily flow	10.54	10.26	9.70
Maximum daily flow	27.00	25.11	151.70
Capacity Design	42.00	42.00	42.00
% of capacity (based on average daily flow)	25.10	24.43	23.10

** Please note that the units of measurement for the results in the table above are **m^3/s.**

Flows are monitored and the effluent flow rate daily summary is included in the annual report The ECA does not list a design capacity but indicates that the detention pond is designed to have an average infiltration rate of 42 L/s.

According to the 2011 annual report, there were three instances were the maximum effluent flow rate was above the designed average infiltration rate for the detention pond. These instances were explained in the report as occurring due to the pond valve being briefly opened to clear the effluent pipe of sand.

2.4 SAMPLING REQUIREMENTS

What are the facility's sampling requirements based on?
Certificate of Approval/Permit

Does the facility meet sampling requirements?
Yes

The City is required to collect samples from May 15th to September 15th. According to the Annual report in 2011, the facility was operating from April 18th to November 3rd. Sample results from the period of May 14th to September 14th were included in the 2011 annual report.

The ECA requires the inlet and the outlet of the pond to be sampled for total suspended solids and E.coli., the City is also sampling for total phosphorus.

2.5 REPORTING REQUIREMENTS

What are the facility's reporting requirements based on?
Certificate of Approval/Permit

Does the facility meet reporting requirements?
Yes

The City is required to submit an annual performance report to the district officer by December 31st of each. The Ottawa district office received the 2011 Annual Report on December 23rd, 2011.

2.6 FLOW MEASUREMENT

The ECA describes the Flow Control Structure as having two flow measuring devices, one to measure the inflow into the pond and the other to measure the overflow/bypass from the pond and an automatic composite sampler with refrigeration facilities with flow activation.

The equipment noted on site at the time of my site visit corresponds to that described in the ECA.

2.7 MINISTRY SAMPLE RESULTS

Were Ministry samples collected during the inspection?
No

Reason:
There are effluent parameter limits in the ECA and the facility was not operating at the time of inspection.

2.8 FINANCIAL ASSURANCE

No financial assurance required under the approval

2.9 SPILL PREVENTION AND CONTINGENCY PLANS

Is the facility required to have a Spill Prevention and Contingency Plan (SPCP) as required by Ontario Regulation 224/07?
No

Has the facility had any spills since the last inspection?
No

Were all the spills reported to the ministry?
N/A

Does the facility's operations or spill history suggest that a SPCP be developed?
No

Comments:

3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES

4.0 SUMMARY OF INSPECTION FINDINGS

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate?
No

Specifics:

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material?
No

Specifics:

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment?
No

Specifics:

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material?
No

Specifics:

Was there any indication of minor administrative non-compliance?
No

Specifics:

5.0 ACTION(S) REQUIRED

No actions required at this time.

6.0 OTHER INSPECTION FINDINGS

It was in the 2011 annual report that the ECA be amended to discontinue water quality monitoring requirements. The Ministry has not yet received an application to have the ECA amended, until the ECA is amended, monitoring requirements need to be conducted as described in the current ECA.

7.0 INCIDENT REPORT

Not Applicable

8.0 ATTACHMENTS

PREPARED BY:
Environmental Officer:
Name: **Tracy Hart**
District Office: **Ottawa District Office**
Date: **2012/01/16**
Signature

REVIEWED BY:
District Supervisor:
Name: **Tara MacDonald**
District Office: **Ottawa District Office**
Date: **2012/01/17**

Signature:

File Storage Number: SI OT OT RI 400

Note:
"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory

requirements"

Ontario

Ministry of the Environment
Ministère de l'Environnement

AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL
NUMBER 0796-95XHXA
Issue Date: March 27, 2013

City of Ottawa
655 Shefford Road 2nd Floor,
Gloucester
Ottawa, Ontario
K1J 8G8

Site Location: Hunt Club- Rideau Bridge SWF
Corner of Hunt Club and Riverside
Lot 5 & 6, Concession I & II
City of Ottawa
K1V 2E8

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

existing sewage *Works* for the collection, transmission, treatment and disposal of stormwater runoff from a catchment area of approximately 44 hectares, discharging in to the Rideau River.

Proposed Changes

- **Delete** the following Sampling and Reporting Conditions in the existing approval number 3-1903-89-006, issued on December 04, 1989:

  (a) Condition No. 8;

  (b) Condition No. 9: and

  (c) Condition No. 10.

Previous Works

Stormwater management facilities and associated appurtenances constructed on Lots 5 & 6, Concession I & II Rideau Front in the City of Ottawa, as follows:

Detention Pond

- storm detention pond consisting of an infiltration base with an underground stone subdrain system constructed on a site south west corner of Hunt Club Road and Riverside Drive to control the quality and quantity of storm runoff from a 25 mm rainfall over an area of 44 ha approximately with a minimum storage volume of 6330 m^3 and to infiltrate at an average rate of 42 L/s and discharge into the Rideau River through an outlet sewer system.

Flow Control Structure (MHIC)

- reinforced concrete structure with two (2) compartments having overall dimension 3 m by 3.8 m by 4.5 m deep, equipped with a 305 mm diameter sluice gate, a 1372 mm x 1372 mm sluice gate; a 3 m long overflow weir at an elevation of 90.0 m (top water elevation of the detention pond at 6330 m^3 capacity); a 1350 mm diameter, 15 m long inlet pipe from the existing manhole (designated as MHIB); a 1350 mm diameter, 7 m long outlet pipe up to the storm detention pond inlet headwall; a 1500 mm diameter, 63 m long overflow/bypass pipe up to a manhole near the outlet pipe system (designated as MHIE); two (2) flow measuring devices one to measure the inflow into the pond and the other to measure the overflow/bypass from the pond and an automatic composite sampler with refrigeration facilities with flow activation.

SUB DRAIN SYSTEM

- network of stone subdrain consisting of ten (10) laterals at 10 m centres and a 95 m long stone subdrain header having dimensions of 1 m x 1 m to collect filtered storm water and to discharge into the outlet piping system via a 375 mm diameter, 7.5 m long discharge pipe equipped with a flow measuring device to measure the underdrain discharge from the pond together with an automatic composite sampler with refrigeration facilities with flow actuation.

Basin Outlet Structure (MH3A)

- reinforced concrete structure having an overall dimension 1.8 m by 1.5 m by 4 m deep and equipped with a 450 mm diameter, 11 m long drain pipe from the pond outlet headwell; a 457 mm diameter sluice gate; a 600 mm diameter, 43 m long discharge pipe up to a manhole near outlet pipe system (designated as MHIE).

Outlet Piping

- 1500 mm diameter, 60 m long outlet piping from the manhole MHIE to the Rideau River together with a 2400 mm x 900 mm, 18 m long concrete box type sewer up to the Rideau River which is equipped with a metal outlet grating; and

- together with access road; security fencing; erosion protection facilities and bank protection at the outlet pipe area.

- all other controls, electrical equipment, instrumentation, piping, pumps, valves and appurtenances essential for the proper operation of the aforementioned sewage *Works* .

all in accordance with supporting documents listed in Schedule 'A'.

For the purpose of this environmental compliance approval, the following definitions apply:

"*Approval* " means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation listed herein;

"*Director* " means a person appointed by the Minister pursuant to section 5 of the *EPA* for the purposes of Part II.1 of the *EPA* ;

"*District Manager* " means the District Manager of the Ottawa District Office of the Ministry;

"*EPA* " means the Environmental Protection Act, R.S.O 1990, c.E.19, as amended;

"*Ministry* " means the Ontario Ministry of the Environment;

"*Owner* " means City of Ottawa, Incorporated, and includes its successors and assignees;

"*Previous Works* " means those portions of the sewage *Works* previously constructed and approved;

"*Source Protection Plan* " means a drinking water source protection plan prepared under the Clean Water Act, 2006; and

"*Works* " means the sewage works described in this *Approval* and includes both *Previous Works* and Proposed Changes.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

1.1 The *Owner* shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Approval* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 Except as otherwise provided by these Conditions, the *Owner* shall design, build, install, operate and maintain the *Works* in accordance with the description given in this *Approval* , the application for approval of the *Works* and the submitted supporting documents and plans and specifications as listed in

this *Approval* .

1.3 Where there is a conflict between a provision of any submitted document referred to in this *Approval* and the Conditions of this *Approval* , the Conditions in this *Approval* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

1.5 The requirements of this *Approval* are severable. If any requirement of this *Approval* , or the application of any requirement of this *Approval* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Approval* shall not be affected thereby.

1.6 The issuance of, and compliance with the conditions of, this *Approval* does not:

a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage works; or

b) limit in any way the authority of the *Ministry* to require certain steps be taken to require the *Owner* to furnish any further information related to compliance with this *Approval* .

2. CHANGE OF OWNER

2.1 The *Owner* shall notify the *District Manager* and the *Director* , in writing, of any of the following changes within **thirty (30) days** of the change occurring:

(a) change of *Owner* ;

(b) change of address of the *Owner* ;

(c) change of partners where the *Owner* is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c.B17 shall be included in the notification to the *District Manager* ; and

(d) change of name of the corporation where the *Owner* is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the *District Manager* .

3. OPERATION AND MAINTENANCE

3.1 The *Owner* shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the stormwater management

Works do not constitute a safety or health hazard to the general public.

3.2 The *Owner* shall undertake an inspection of the condition of the stormwater management *Works* , at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the above noted stormwater management *Works* to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the pond. The *Owner* shall also regularly inspect and clean out the inlet to and outlet from the *Works* to ensure that these are not obstructed.

3.3 The *Owner* shall prepare operational manual which should include, but not limited to, frequency and method of clean-out of stormwater management *Works* within **six (6) months** from the date of issuance of this *Approval* or the commissioning of the *Works* . The *Owner* shall keep the operations manual up to date with such revisions as may be required. Upon request, the *Owner* shall make the manual available for inspection by *Ministry* personnel and furnish a copy to the *Ministry* .

3.4 The *Owner* shall maintain a logbook to record the results of all inspections and any cleaning and maintenance operations undertaken and shall make the logbook available for inspection by the *Ministry* upon request.

4. RECORD KEEPING

4.1 The *Owner* shall retain for a minimum of **five (5) years** from the date of their creation, all records and information related to or resulting from the operation and maintenance activities required by this *Approval* .

Schedule 'A' forms part of this *Approval* and contains a list of supporting documentation / information received, reviewed and relied upon in the issuance of this *Approval* .

SCHEDULE 'A'

1. Approval Number **3-1903-89-006**, issued on December 04, 1989;

2. Notice to Approval Number **3-1903-89-006**, issued on April 09, 1996;

3. Environmental Compliance Approval Application for Municipal Sewage Works submitted by Chris Melanson, of The City of Ottawa, and signed by Eva Spal, of The City of Ottawa, dated January 10, 2013, and all supporting documentation and information; and

4. Electronic correspondence from Chris Melanson, of The City of Ottawa, to the Review Engineer dated March 25, 2013.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the *Works* are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in this *Approval* and the practice that this *Approval* is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the owners their responsibility to notify any person they authorized to carry out work pursuant to this *Approval* the existence of this *Approval* . Condition 1.6 is included to emphasize that the issuance of this *Approval* does not diminish any other statutory and regulatory obligations to which the *Owner* is subject in the construction, maintenance and operation of the *Works* . The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this *Approval* doesn't limit the authority of the *Ministry* to require further information.

2. Condition 2 is included to ensure that the *Ministry* records are kept accurate and current with respect to approved *Works* and to ensure that subsequent owners of the *Works* are made aware of this *Approval* and continue to operate the *Works* in compliance with it.

3. Condition 3 is imposed to ensure that the *Works* are operated and maintained without any adverse impact on the environment.

4. Condition 4 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the *Works* .

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 3-1903-89-006 issued on May 12, 1989, and the Notice to Approval Number 3-1903-89-006, issued on April 09, 1996.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;

6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 27th day of March, 2013

Edgardo Tovilla
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

AA/
c: District Manager, MOE Ottawa District Office

15-96-0243-01

Ontario

Ministry of Environment and Energy / Ministère de l'Environnement et de l'Énergie

Received APR 15 1996

FILE # 09-96-1025
DOC I.D. # 96-7145
ACTION TAKEN
TO T.B.

AMENDMENT TO CERTIFICATE OF APPROVAL
SEWAGE
NUMBER 3-1903-89-006

NOTICE

Regional Municipality of Ottawa Carleton
800, Green Creek Drive
Gloucester, Ontario
K1J 1A6

You are hereby notified that the Certificate of Approval No. 3-1903-89-006 dated December 4, 1989 issued for a stormwater management facility located at the southwest corner of intersection of Hunt Club Road and Riverside Drive, in the City of Ottawa is hereby amended as follows:

1. Replace condition No. 8. (iv) on page six which reads:

"Samples of influent and effluent from the storm detention pond shall be collected and analyzed for at least the following parameters at the indicated locations.

Parameter	Location	Sample Description
Suspended Solids) Fecal Coliform) Total Coliform)	Inlet of the Pond	Composite Sample per "runoff event"
Suspended Solids) Fecal Coliform) Total Coliform)	Pond outlet from the under drain system	Composite Sample per "runoff event"

a) Samples shall be collected and analyzed for all runoff events that are generated by daily precipitation greater than or equal to 5 mm during the period of June 1st to September 15th of every year

b) All samples collected shall be analyzed as soon as practicable by a reputable laboratory.

c) The District Officer shall be copied with the sample results directly from the laboratory noted above."

with the following:

"Samples of influent and effluent from the storm detention pond shall be collected and analyzed for at least the following parameters at the indicated locations.

Parameter	Location	Sample Description
Suspended Solids) E.coli)	Inlet of the Pond	Composite Sample per "runoff event"
Suspended Solids) E. Coli)	Pond outlet from the under drain system	Discrete, Flow Proportionate Samples per "runoff event"

a) Samples shall be collected and analyzed for all runoff events that are generated by daily precipitation greater than or equal to 10 mm during the period of May 15th to September 15th of every year.

b) All samples collected shall be analyzed as soon as practicable by a reputable laboratory.

2. Delete condition No. 9

3. Change the main paragraph of condition No. 10 which reads:

"A performance report covering the preceding 3 1/2 months ending September 15th to be submitted to the District Officer by December 31st of the same year...."

with the following:

"An annual performance report covering the preceding 4 months ending September 15th to be submitted to the District Officer by December 31st of the same year...."

4. Delete condition No. 10 (i)

Reason

1. The monitoring protocol (parameters, monitoring season and intensity of rainfall) outlined in the Certificate is being changed to reflect the corresponding requirements outlined in the document entitled "Rideau River Non-Degradation Policy" of the Regional Municipality of Ottawa Carleton.

2. The last four years of monitoring results have provided sufficient information to determine the performance of the facility. Therefore, monthly reporting is not required as annual reporting is now sufficient.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Appeal Board within 15 days after receipt of this Notice, require a hearing by the Board. Section 101 of the Ontario Water Resources Act, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the sewage works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary,
Environmental Appeal Board,
112 St. Clair Avenue West,
Suite 502,
Toronto, Ontario.
M4V 1N3

AND

The Director,
Section 53, *Ontario Water Resources Act*,
Ministry of Environment and Energy,
250 Davisville Avenue, 3rd Floor,
Toronto, Ontario.
M4S 1H2

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 9th *day of* April 1996

Donald Carr

D. F. Carr, P. Eng.
Director
Section 53
Ontario Water Resources Act

RM/pm

Attn -Ms. M.J. Woollam, Clerk, R.M. of Ottawa-Carleton
cc: -Mr. P. Pagé, Clerk, City of Ottawa
-District Manager, MOEE Ottawa District Office

Ontario

Nu Numero 3-1903-89-006

Whereas / *Attendu que* REGIONAL MUNICIPALITY OF OTTAWA-CARLETON

of / *d*

has applied in accordance with Section 24 of the Ontario Water Resources Act for approval of:
a fait, conformément à l'article 24 de la loi sur les ressources en eau de l'Ontario, une demande d'autorisation:

Stormwater management facilities and associated appurtenances to be constructed on Lots 5 & 6, Concession I & II Rideau Front in the City of Ottawa, Regional Municipality of Ottawa Carleton as follows:

Detention Pond

A storm detention pond consisting of an infiltration base with an underground stone subdrain system to be constructed on a site south west corner of Hunt Club Road and Riverside Drive to control the quality and quantity of storm runoff from a 25 mm rainfall over an area of 44 ha approximately with a minimum storage volume of 6330 m^3 and to infiltrate at an average rate of 42 L/s and discharge into the Rideau River through an outlet sewer system.

Flow Control Structure (MHIC)

A reinforced concrete structure with two (2) compartments having overall dimension 3 m by 3.8 m by 4.5 m deep, equipped with a 305 mm diameter sluice gate, a 1372 mm x 1372 mm sluice gate; a 3 m long overflow weir at an elevation of 90.0 m (top water elevation of the detention pond at 6330 m^3 capacity); a 1350 mm diameter, 15 m long inlet pipe from the existing manhole (designated as MHIB); a 1350 mm diameter, 7 m long outlet pipe up to the storm detention pond inlet headwall; a 1500 mm diameter, 63 m long overflow/bypass pipe up to a manhole near the outlet pipe system (designated as MHIE); two (2) flow measuring devices one to measure the inflow into the pond and the other to measure the overflow/bypass from the pond and an automatic composite sampler with refrigeration facilities with flow activation.

../2

Now therefore this is to certify that after due enquiry the said proposed works have been approved under Section 24 of the Ontario Water Resources Act.
***Le présent document** certifie qu'après vérification en bonne et due forme la construction dudit projet d'ouvrages a été approuvée aux termes de l'article 24 de la loi sur les ressources en eau de l'Ontario.*

OTTAWA-CARLETON RECEIVED FILE # 05 89 0080 DEC 11 1989 DOC. I.D. # 89-6221 CLERK'S DEPARTMENT

DATED AT TORONTO this 4th day of December 1989
DATÉ À TORONTO ce jour d

Attn: Ms. G. Brown, Clerk, RM of Ottawa-Carleton
cc: Mr. J. Cyr, Clerk, City of Ottawa
Mr. B. Ward, MOE SE, Reg. Dir.
Delcan
sm

FOLIO NO._____

Director / *Directeur*

0731 06/84

SUB DRAIN SYSTEM

A network of stone subdrain consisting of ten (10) laterals at 10 m centres and a 95 m long stone subdrain header having dimensions of 1 m x 1 m to collect filtered storm water and to discharge into the outlet piping system via a 375 mm diameter, 7.5 m long discharge pipe equipped with a flow measuring device to measure the underdrain discharge from the pond together with an automatic composite sampler with refrigeration facilities with flow actuation.

Basin Outlet Structure (MH3A)

A reinforced concrete structure having an overall dimension 1.8 m by 1.5 m by 4 m deep and equipped with a 450 mm diameter, 11 m long drain pipe from the pond outlet headwell; a 457 mm diameter sluice gate; a 600 mm diameter, 43 m long discharge pipe up to a manhole near outlet pipe system (designated as MHIE).

Outlet Piping

A 1500 mm diameter, 60 m long outlet piping from the manhole MHIE to the Rideau River together with a 2400 mm x 900 mm, 18 m long concrete box type sewer up to the Rideau River which is equipped with a metal outlet grating.

together with access road; security fencing; erosion protection facilities and bank protection at the outlet pipe area;

all in accordance with the information as set out in the attached Schedule 'A' submitted by the Delcan Corporation, Consulting Engineers at a total estimated cost including engineering and contingencies, of NINE HUNDRED THOUSAND DOLLARS ($900,000.00), subject to the following special terms and conditions which are considered necessary by the undersigned.

SPECIAL TERMS AND CONDITIONS

General Conditions

i) "the Director" means the Director of the Approvals Branch, Ministry of the Environment;

ii) "the Regional Director" means the Regional Director of the Southeast Region of the Ministry of the Environment;

iii) "the District Officer" means the District Officer of the Ottawa District Office of the Ministry of the Environment's Southeast Region;

../3

FOLIO NO.

iv) "Certificate" means a Certificate of Approval issued in accordance with Section 24 of the Ontario Water Resources Act;

v) "Ministry" means the Ministry of the Environment for the Province Ontario;

vi) "owner" means Regional Municipality of Ottawa-Carleton and includes its successors and assignees;

vii) "operating authority" means Regional Municipality of Ottawa-Carleton and includes its successors and assignees;

viii) "composite sample" means a volume of effluent made up automatically from an on-line flow weighted composite sampler over a "runoff event";

ix) "m^3" means cubic metres;

x) "mg/L" means milligrams per litre;

xi) "kg" means kilograms.

xii) "Runoff Event" is the period of time where the rate of flow through the influent sewer/effluent (underdrain) sewer is greater than the normal infiltration flows.

xiii) "Influent Load for suspended solids " for a runoff event is the load in kg calculated by multiplying the influent flow in (10^3m^3) into the stormwater detention pond by the flow weighted composite sample concentration measured in (mg/L) for a runoff event.

xiv) "Effluent Load for suspended solids" for a runoff event is the load in kg calculated by multiplying the total effluent flow in (10^3m^3) from the stormwater detention pond under drain system discharging into Rideau River for a runoff event by the flow weighted composite sample concentration measured in (mg/L) for the runoff event.

1. Requirements specified in this certificate are minimum requirements under Section 24 of the Ontario Water Resources Act, and do not abrogate the need to take all steps to avoid violating the provisions of applicable legislation.

../4

FOLIO NO.

2. The requirements of this Certificate are severable. If any requirement of this Certificate, or the application of any requirement of this Certificate to any circumstance, is held invalid, the application of such requirement to other circumstances and the remainder of this Certificate shall not be affected thereby.

3. The owner must ensure compliance of all the terms and conditions of this Certificate. Any non-compliance constitutes a violation under the Ontario Water Resources act and is grounds for enforcement.

4. The owner shall furnish to the Regional Director any information which the Regional Director may request pursuant to Section 31 of the Ontario Water Resources Act, and copies of any records required to be kept by this Certificate.

5. The Owner shall notify the Regional Director in writing of any of the following changes within thirty (30) days of the change occurring.

   a) Change of Owner or operating authority or both;

   b) Change of address or address of the new Owner.

6. 1) The owner shall prepare and make available for inspection by Ministry employees upon request, a complete set of drawings within one year of substantial completion of the storm water management works. The drawings shall show the stormwater management works as constructed at that time.

   2) A complete set of the constructed drawings, incorporating any amendments made from time to time, shall be kept by the owner as long as the stormwater management works is kept in operation.

7. Operation and Maintenance Conditions

   In order to ensure protection of the groundwater and Rideau River from contamination, the Owner shall ensure compliance with the following Operation and Maintenance Conditions.

   (i) The owner shall ensure that at all times, the stormwater management works and related equipment and appurtenances which are installed or used to achieve compliance with this Certificate are properly operated and maintained. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance and quality/quantity control procedures.

../5

FOLIO NO._____

(ii) The owner shall ensure that contingency plans and procedures are established and adequate equipment and material are available in dealing with emergency, upset conditions and equipment breakdowns in the stormwater management works, flooding and spills or overflows of raw, partly treated stormwater, into or out of stormwater management works to prevent or minimize untreated liquid discharges into the natural environment.

(iii) The owner shall establish notification procedures to be used to contact the Regional Director and other relevant authorities in the case of an emergency situation and the measures taken to deal with it.

(iv) The owner shall prepare an operations and maintenance manual prior to the commencement of regular operation of the stormwater management works and keep it up to date and upon request shall make the manual available for inspection by Ministry personnel and shall upon request furnish a copy to the Ministry.

(v) The owner shall establish complaint procedures for receiving and responding to complaints including a reporting system as to which records what steps were taken to determine the cause of complaint and corrective measures to alleviate the cause and prevent its recurrence.

8. Sampling and Reporting

The operating authority shall carry out and maintain the following routine sampling analyzing and performance monitoring program:

i) Sampling locations shall be established to the satisfaction of the District Office of the Ministry of the Environment in Ottawa prior to the commencement of operation of the works. Any of these sampling locations may only be changed or abandoned and new locations may be added following commencement of operation if, in the opinion of the District Officer, it is necessary to do so to ensure representative samples are being collected.

../6

FOLIO NO._____

ii) The method of examination of the influent/effluent parameters as set out in Subsection (iv) be based on the principles as described in Standard Methods for Examination of Water and Wastewater, 16th Edition, 1985, as published by the U.S. Public Health Service, as amended from time to time by more recently published editions.

iii) All sampling is to be carried out by the applicant's personnel (or by designated agents) acceptable to the District Officer, Ministry of the Environment. Sampling methodology is to be as described in a "Guide to the Collection and submission of Samples for Laboratory Analysis", Fifth Edition, July 1985, Ontario Ministry of the Environment, Laboratory Services Branch as amended from time to time by more recently published editions.

iv) Samples of influent and effluent from the storm detention pond shall be collected and analyzed for at least the following parameters at the indicated locations.

Parameter	Location	Sample Description
Suspended Solids) Fecal coliform) Total coliform)	Inlet of the Pond	Composite sample per "runoff event"
Suspended Solids) Fecal coliform) Total coliform)	Pond outlet from the under drain system	Composite sample per "runoff event"

a) Samples shall be collected and analyzed for all runoff events that are generated by daily precipitation greater than or equal to 5 mm during the period of June 1st to September 15th of every year

b) All samples collected shall be analyzed as soon as practicable by a reputable laboratory.

c) The District Officer shall be copied with the sample results directly from the laboratory noted above.

..7/

FOLIO NO.

9. A report shall be submitted to the District Officer on a "monthly" basis during the period 1st of June to September 15th. The report shall be submitted no later than the sixty (60) days following the period being reported.

The first report shall cover the first month period following the commencement of operation of the storm water management works approved in this Certificate of Approval and subsequent reports shall be submitted to cover successive monthly intervals thereafter. The report shall contain a summary and interpretation of all analytical data collected relative to the stormwater management works facility during the period being reported upon.

10. A performance report covering the preceding 3½ months ending September 15th to be submitted to the District Officer by December 31st of the same year and every year thereafter containing at least the following:

i) a summary of the preceding monthly reports noted in Condition No. 9 including an overview of the success and adequacy of the storm water treatment program;

ii) Information with regard to the duration of a runoff event, the duration of discharge from the storm water detention facility, the amount of runoff for the runoff event; total flows to and from the stormwater detention facility.

iii) Information with regard to the performance of the filter bed and underdrain system giving depth of accumulation of sediment, filtering rate, removal efficiency with respect to fecal coliform, total coliform and suspended solids and any recommendation for any rejuvination of the filter bed.

iv) a comprehensive interpretation of the discharge concentrations for the reporting period and the performances of the treatment facilities.

v) an outline of any proposed storm water treatment measures be completed over the next operating period;

vi) an evaluation of the need for modifications to the storm water management treatment facility to minimize the number of upsets, if any;

../8

vii) an evaluation of the adequacy of calibration and maintenance procedures required to ensure accuracy of data;

viii) all performance reports required by this Certificate shall be submitted to the District Officer of the Ministry of the Environment in Ottawa by the owner or its designate on behalf of the owner, having properly informed himself of the accuracy of the reports submitted, shall certify the said reports in the following form:

"I certify that the information on this document and all attachments are correct, accurate and complete to the best of my knowledge". _____

Ontario

Ministry of the Environment | Ministère de l'Environnement

CERTIFICATE OF APPROVAL
INDUSTRIAL SEWAGE WORKS
NUMBER 4964-5KQMLE

4059930 Canada Inc.
383 Parkdale Avenue, Suite 105
Ottawa, Ontario
K1Y 4R4

Site Location: 4000 Riverside Drive-300 Hunt Club Road
City of Ottawa

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

a stormwater management system to serve a proposed gas bar and fast food restaurant located at 4000 Riverside Drive, in the City of Ottawa, collecting up to 100-year storm event runoff from an area of 1.19 ha, consisting of the following:

North Area (gas bar)

- 150 mm and 300 mm diameter storm sewers, catchbasins and catchbasin manholes, discharging to a control catchbasin manhole (CBMH 3);
- one (1) control catchbasin manhole (CBMH 3) complete with a 165 mm diameter orifice plate allowing a maximum discharge of 94.5 L/s (5-year storm event) to a stormwater interceptor;
- one (1) stormwater interceptor having a sediment capacity of 2,460 L, an oil capacity of 915 L and a total capacity of 4,325 L, discharging via a 300 mm diameter storm sewer to an existing 1350 mm diameter storm sewer located on Easement that runs diagonally through the site leading to an existing stormwater management facility located in the southwest portion of the site;
- roof-top storage on two (2) buildings, having a total available storage volume of approx. 3.0 m^3, equipped with four (4) roof drains with inlet controls allowing a maximum discharge from each building of 1.7 L/s (5-year storm event) to the proposed storm sewer system;
- surface storage located in the northeast corner of the property, having a total available storage volume of approx. 73.7 m^3, discharging to the proposed sewer system;

South Area (fast food restaurant)

- 150 mm, 250 mm and 300 mm diameter perforated storm sewers, catchbasins and catchbasin manholes, discharging to a control catchbasin manhole (CBMH 5);

- one (1) control catchbasin manhole (CBMH 5) complete with an inlet control device allowing a maximum discharge of 10.0 L/s (5-year storm event) via a 300 mm diameter storm sewer to an existing 1350 mm diameter storm sewer located on Easement that runs diagonally through the site leading to an existing stormwater management facility located in the southwest portion of the site;

- roof-top storage, having a total available storage volume of approx. 4.6 m^3, equipped with two (2) roof drains with inlet controls allowing a maximum discharge of 1.7 L/s (5-year storm event) to the proposed storm sewer system;

- surface storage located on the parking lot and the grassed area along the eastern property line, having a total available storage volume of approx. 102.8 m^3, discharging to the proposed sewer system;

all in accordance with the following submitted supporting documents:

1. Application for Approval of Industrial Sewage Works signed by Rick Iafelice, Director, 4059930 Canada Inc. and dated December 9, 2002.

2. Report entitled "OMCIAA Lands Hunt Club Road and Riverside Drive West Site Stormwater Management Report" dated December 2, 2002, and prepared by Novatech Engineering Consultants Ltd.

3. Report entitled "OMCIAA Lands Hunt Club Road and Riverside Drive East Site Preliminary Stormwater Management Report" dated August 2, 2002, and prepared by Novatech Engineering Consultants Ltd.

4. Final Plans, numbered 101048-GP revision No. 4, 101048-GR revision No. 4 and 101048-SWM revision No. 2, entitled "City of Ottawa Runway Centre 4000 Riverside Drive Stormwater Management Plan" all signed by J.G. Riddell, P.Eng., and dated December 9, 2002.

5. Letter dated May 6, 2003, and signed by John Spinks, Vice President-Business Development and Marketing, Ottawa MacDonald-Cartier International Airport Authority and Rick Iafelice, Director, 4059930 Canada Inc., addressed to Dean Aqiqi, P.Eng., Infrastructure Approvals, City of Ottawa.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

1. "certificate" means this entire certificate of approval document, issued in accordance with Section 53 of the *Ontario Water Resources Act* , and includes any schedules;

2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the *Ontario Water Resources Act* ;

3. "District Manager" means the District Manager of the Ottawa District Office of the Ministry;

4. "Ministry" means the Ontario Ministry of the Environment;

5. "Regional Director" means the Regional Director of the Eastern Region of the Ministry;

6. "Owner" means 4059930 Canada Inc. and includes its successors and assignees; and

7. "works" means the sewage works described in the Owner's application, this certificate and in the supporting documentation referred to herein, to the extent approved by this certificate.

You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITION

1.1 Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the works in accordance with the description given in this Certificate, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Certificate.

1.2 Where there is a conflict between a provision of any submitted document referred to in this Certificate and the Conditions of this Certificate, the Conditions in this Certificate shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

2. OPERATION AND MAINTENANCE

2.1 The Owner shall ensure that the works and related equipment and appurtenances which are installed or used to achieve compliance with this certificate are operated and maintained in accordance with procedures in the site operations manual which is kept updated, as required.

2.2 The Owner shall prepare a site operations manual prior to the commencement of the operation of the works, which shall include as a minimum:

(a) operating and maintenance procedures for the routine operation of the works,

(b) a spill prevention control and countermeasure plan, including a staff training program in spill response, a procedure for reporting spill emergencies, and the placement of dry clean-up buckets at pump islands and potential spill areas,

(c) a stormwater interceptor inspection program based on the manufacturer's recommendations, including frequency of inspection for the works, and

(d) procedures for removal of sediment and oil from the catchbasins, manholes and the stormwater interceptor, including methods for determining when maintenance clean-outs are required.

2.3 The Owner shall ensure the immediate clean-out of the stormwater interceptor and other impacted/contaminated portions of the sewage works after a fuel or oil spill capture.

2.4 In furtherance of, but without limiting the generality of the obligations imposed by Condition 2.1, the Owner shall ensure that equipment and material for the containment, cleanup and disposal of fuel and oil and materials contaminated with such, is on hand and in good repair for immediate use in the event of:

(a) loss of fuel or oil to the storm water collection system, or

(b) a spill within the meaning of Part X of the *Environmental Protection Act.*

3. RECORD KEEPING

The Owner shall maintain a log book at the site at all times, and shall make it available for inspection by Ministry staff upon request. The log-book shall contain a record of stormwater interceptor inspections and clean-out dates with estimates of any waste oil and sediment removed, and a record of any spills and follow-up actions taken.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the works are built and operated in the manner in which they were described for review and upon which approval was granted. This condition is also included to emphasize the precedence of Conditions in the Certificate and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition 2 is included to ensure that the sewage works are properly operated and maintained in accordance with procedures outlined in a site operations manual. The manual, covering operation, inspection, clean-outs and spill prevention control and countermeasures, when kept up-to-date, should assist the Owner in staff training, proper operation of the works and in identifying and planning for spill contingencies, so that impact on the environment is minimized.

3. Condition 3 is included to ensure that key information relating to the operation of the sewage works is readily available so that an accurate assessment of the operating performance of the works can be made.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act , R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

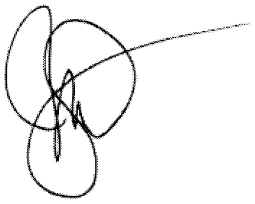
AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 6th day of June, 2003



Mohamed Dhalla, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

KC/
c: District Manager, MOE Ottawa District Office
John Riddell, P.Eng., Novatech Engineering Consultants Ltd.
John Spinks, Vice President-Business Development and Marketing, Ottawa MacDonald-Cartier International Airport Authority
Dean Aqiqi, P.Eng., Infrastructure Approvals, City of Ottawa

Ontario

Ministry of the Environment **Ministère de l'Environnement**

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE WATER WORKS
NUMBER 9641-5KYMHT

4059930 Canada Inc.
105-383 Parkdale Ave
Ottawa ON K1Y 4R4

Site Location: Riverside Drive from 32 metres south of Hunt Club Road to 189 metres south of Hunt Club Road
City of Ottawa, Ontario

You have applied in accordance with Section 52 of the Ontario Water Resources Act for approval of:

Watermain to be constructed in the City of Ottawa on Riverside Drive, all in accordance with the application from 4059930 Canada Inc., dated January 27, 2003, including final plans and specifications prepared by Novatech Engineering Consultants Ltd.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 101 of the Ontario Water Resources Act , R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario

AND

The Director
Section 52, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario

M4P 1E4 M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted water works are approved under Section 52 of the Ontario Water Resources Act.

DATED AT TORONTO this 28th day of March, 2003

Aziz Ahmed, P.Eng.
Director
Section 52, *Ontario Water Resources Act*

MC/
c: District Manager, MOE Ottawa
John G. Riddell, P.Eng., Novatech Engineering Consultants Ltd.
Pierre G. Pagé, Clerk/Director, Secretariat Services, City of Ottawa
D. Aqiqi, P.Eng., Program Manager, Central, City of Ottawa

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

19 March 2024

Shabnam Salimi
SLR Consulting (Canada) Ltd.
400 – 2301 St. Laurent Blvd.
Ottawa, ON K1G 4J7

Subject: **4000 Riverside Drive, Ottawa, Ontario**
Your File No.: **N/A**
WO No.: **14254591**

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested the release of information regarding the above noted address.

Requested records relating to the following Program(s) were located:

Program	Record	Documents Attached
Fuels Safety	☒	☒
Boiler/Pressure Vessel**	☐	☐
Elevating & Amusement Devices	☐	☐
Other	☐	☐

**For BPV, if it has been indicated that records have been located but are not attached, it is likely that TSSA may not be the keeper of the records you are looking for, see note below.

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

Should you have any questions, please contact Public Information at publicinformationservices@tssa.org.

Yours truly,

C. Hill

Connie Hill
Public Information Services Agent

Limitations and Notices:

General:

TSSA, as a safety regulator, uses inspection resources to address the greatest harm posed to the public. Thus, inspection only follows-up on safety orders it issues based on the degree of risk posed by the non-compliance identified in the order(s). All high-risk orders will result in a follow-up inspection by TSSA until the non-compliance is resolved. TSSA no longer follows-up on low or medium risk orders referred to as safety tasks, therefore, TSSA can no longer provide you with a report indicating the safety tasks (low and medium-risk orders) have been resolved. This information should be obtained from the device/facility owner or their contractor. One can also engage a third-party contractor to confirm device/facility compliance.

The Public Information Department, (PID), can only provide existing records for a specific location, facility, or device. If an inspection or any other type of record does not exist, PID cannot instruct TSSA to do work, such as an inspection, to create a record. TSSA, as an outcome-based regulator, deploys all of its resources, including, inspections to address the greatest harm posed to the public; and as such, cannot deploy resources to create records to satisfy an inquiry.

Please Note: *While the PID provides existing records for a specific location, facility, or device; it does not interpret or provide further explanations of the content contained in the document.*

Change of Ownership

Please be advised, if the new owner has acquired a property that contains TSSA regulated devices, i.e. elevators, boilers and pressure vessels, they would be required to complete a change of ownership to obtain new licences. Visit our website at www.tssa.org under the Licencing & Registration section for the Change of Ownership process or contact our Customer Service department at 1.877.682.8772

TSSA Fuels Safety:

If you have environmental concerns regarding this property, you should consider hiring an environmental consultant to conduct an environmental assessment of the property in question.

- Sites that have not been licensed since 1987 may not be in TSSA records.
- Be advised, TSSA Fuels Safety Division did not register:
    - private fuel underground/ aboveground storage tanks prior to January of 1990; and
    - furnace oil tanks prior to May 1, 2002.
- If records being released to you relate to private fuel outlets ("**PFOs**") or fuel oil furnace tanks, please note the following:
    - PFOs are defined in O. Reg. 217/01 (Liquid Fuels), where "private outlet" means "any premise, other than a retail outlet, where gasoline or an associated product is put into the fuel tanks of motor vehicles or floating motorized watercraft or into portable containers". After 2001, PFOs were no longer required to be licenced in Ontario. Thus, TSSA's records and information regarding PFOs is dated and unverified.
    - Underground furnace fuel oil tanks were required to be registered with TSSA commencing in 2001. These underground tanks are registered; however, TSSA does not inspect or verify the

registered tank information. It is incumbent on the fuel distributor to ensure that the tanks are registered. Above ground fuel oil furnace tanks do not require TSSA registration.

- Please be advised that while the TSSA releases information relating to PFOs or fuel oil furnace tanks pursuant to the TSSA's Access and Privacy Code, the TSSA cautions against reliance on this information.

- In particular, because PFOs do not require a license and there is no requirement to submit any documentation to TSSA for review or approval, TSSA has limited information on these facilities. The TSSA cautions that any information provided may be inaccurate, incomplete, or out of date.

- Fuels Safety Division <u>does not register</u>

  - private waste oil tanks in apartments, office buildings, residences etc.; and

  - aboveground gas or diesel tanks.

- The *Technical Standards and Safety Act* and associated regulations do not require the registration of private fuel outlets, nor does it require that any documentation on these facilities be submitted to or reviewed or approved by TSSA. As a result, TSSA has limited information on these facilities. TSSA cautions that any information provided may be inaccurate, incomplete or out of date.

TSSA Elevating & Amusement Devices Program Notice:

- All orders and/or directions issued by the TSSA Inspector have a compliance date and the owner or designated contractor are required to comply within the specified time limit. Compliance is the responsibility of the owner or operator of the device.

- All written declarations of compliance (where eligible) should be sent to TSSA. Once a declaration of compliance has been received, the outstanding order will be resolved.

- Each report shows the details and date of the inspection conducted by TSSA at the requested location

- The Ontario Amusement Devices Regulation (O. Reg. 221/01) was adopted in 2001. Since that time, TSSA retains copies of technical dossiers of new amusement devices in Ontario (as per TSSA's retention policy). However, for rides that existed prior to the adoption of the Regulation, which were subject to a "grandfathering-in" clause, technical dossiers were not required to be filed with the TSSA. However, if the amusement ride remains in operation, as per ASTM requirements, the owner/licensee must possess an operations document for the device in question.

Federal Elevators

- Please be advised that without the express written consent of the owner, the TSSA does not release any information with respect to federal elevators or federal elevating equipment. The TSSA is a provincial regulator for the province of Ontario and federal elevators do not fall within the scope of TSSA's provincial mandate and the *Technical Standards and Safety Act* and associated Regulations. Further, the TSSA's Access and Privacy Code only applies to information collected, used, or disclosed by the TSSA in the course of TSSA's administration of the Act. Therefore, information with respect to federal elevators or federal elevator equipment is outside of the administration of the Act, and outside of the scope of the TSSA's Access and Privacy Codes.

Indigenous Lands

- Please be advised that the TSSA does not release any information with respect to indigenous lands, which are outside of the TSSA's mandate, without the express written permission from the Band. The *Technical Standards and Safety Act*, associated regulations, and TSSA's Access and Privacy Code does not apply to indigenous lands.

TSSA Boilers and Pressure Vessels (BPVs) Program Notice:

- Be advised, TSSA does not typically periodically inspect BPVs. These inspections are usually performed by insurance companies.

- **Inspection reports may not be submitted to TSSA by insurance companies; therefore, while TSSA may have some evidence of a BPV at a location on file, there may be no inspection records pertaining to BPVs located at the address provided.

- As of July 1, 2018, BPVs in Ontario may not be operated unless the Director has issued a current certificate of inspection (COI) to the owner or operator. A COI will be issued to the owner or operator of the BPV by TSSA after TSSA has received a Record of Inspection (ROI) from the insurer/third-party inspector, the associated fees have been paid and the BPV has passed a periodic inspection.

- Please note that if the BPV in question is insured, the insurance company may have additional inspection records. Please contact the insurer directly should you wish to obtain further information.

Fuels Inventory - 4000 Riverside Drive, Ottawa

Inventory Address	Inventory City	Inventory Province	Inventory Postal Code	Asset Type / Inventory Item	Inventory Status Reason Code	Inventory Number	FS Propane Fixed Capacity	FS Propane Mobile Capacity	FS Propane Cylinder Capacity	FS Capacity Level	FS Capacity	FS Capacity UOM	FS Corrosion Protection	FS Description	FS Fuel Type	FS Installation Year	FS Tank Material	FS Tank Type Liquid
4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	FS CYLINDER EXCHANGE	Active	30248311	0	0	0	L1	0	L						
4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	FS GASOLINE STATION - SELF SERVE	Active	27112899	150000	0	0		150000	L						
4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	FS LIQUID FUEL TANK	Active	27323046					50000	L	Fiberglass	2009VBS	Gasoline	2003	Fiberglass (FRP)	Double Wall UST
4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	FS LIQUID FUEL TANK	Active	27323047					50000	L	Fiberglass	2009VBS	Gasoline	2003	Fiberglass (FRP)	Double Wall UST
4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	FS LIQUID FUEL TANK	Active	27323048					50000	L	Fiberglass	2009VBS	Gasoline	2003	Fiberglass (FRP)	Double Wall UST

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

Inspection Report

Work Order # 8108652
Inspection Report # 10039396

4000 RIVERSIDE DR OTTAWA ON K1V 2E8 Canada	Reference Number(s): 27112899	Inspection Completion Date: Nov 8, 2022
	Facility Type: Liquid Fuels	Equipment Type:
SUNCOR ENERGY PRODUCTS PARTNERSHIP 2489 NORTH SHERIDAN WAY MISSISSAUGA ON L5K 1A8 Canada	Task Type: FS Follow-up Inspection (Periodic) - LF	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

INSPECTION NOTES

Inspection Order(s) are issued pursuant to my authority under section 21. (1) of the Technical Standards and Safety Act, 2000.

Inspection Order(s) with follow-up are inspection order(s) where TSSA will perform an inspection to confirm compliance

Inspection Order(s) may follow-up are inspection order(s) where TSSA may elect to perform an inspection to confirm compliance. The responsible party is ordered and expected to make all the necessary corrections for compliance. These orders may be subject to a TSSA audit inspection to obtain your authorization/license

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa on November 4, 2022 (Suncor) regarding order for vehicular protection of the vent pipes. While on site verifying compliance this Inspector discovered two post installed in front of the vent pipes, order has been complied with.

Inspection Complete.

INSPECTION ORDERS ISSUED TO: SUNCOR ENERGY PRODUCTS PARTNERSHIP
INDIVIDUAL(s) ENSURING COMPLIANCE: Nat Busa

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

Inspection Report

Work Order # 8108652
Inspection Report # 10039396

This report is issued under the *Technical Standards and Safety Authority Act*. 2000, s. 17(1)

17. (1) An inspector may conduct an inspection and may, as part of that inspection, enter and inspect at any reasonable time the lands and premises where any of the things, parts of the things or classes of things to which this Act, the regulations or a Minister's order apply are used, operated, installed, made, manufactured, repaired, renovated or offered for sale for the purpose of,

(a) ensuring compliance with this Act, the regulations or Minister's order;
(b) ensuring that an authorization holder remains entitled to the authorization; or
(c) determining whether a hazardous condition exists. 2006, c. 34, s. 25 (5)

Customer Signature & Position / Date:	**Inspector Name:**	**Inspector Contact Number:**
	David Barclay	**+1 613-808-2727**

Report Received By:	**Customer Contact Number:**	**Inspector Email:**
Nat Busa via: nbusac606@rogers.com	**613-614-0373**	**dbarclay@tssa.org**

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**9088777**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JAN 12, 2022**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP:

Line	Reference and Order(s)	Compliance Date
909169-1	Liquid Fuels Handling Code 2017 Clause 4.6.9 - Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. During the facility inspection a copy of the annual report regarding the maintenance and testing of the shear valves and leak detection system was not available for review by this Inspector. You are hereby ordered to comply with clause 4.6.9 of the Liquid Fuels Handling Code 2017 and provide a written record of the maintenance and testing of the shear valves and leak detection system.	APR 29, 2022
909169-2	Liquid Fuels Handling Code 2017 Clause 4.3.1.7 - Vent pipes, except for emergency vents on aboveground tanks, shall (a) be provided with a weatherproof hood; (b) terminate in open air (i) not less than 2 m above grade level for Class II products, and not less than 3.5 m above grade level for Class I products; (ii) outside buildings, such that fumes from the vent cannot enter or be drawn into any building through a window, door, or other opening, including air intakes; and (iii) at a distance of at least 6 m horizontally from truck loading or parking facilities, or other likely sources of ignition, when venting Class I product tanks located in bulk plants or at railway tank car unloading facilities; (c) be firmly supported and protected; (d) when venting Class I product, be located to minimize the impact of gasoline vapours on people, structures, and mechanical equipment; (e) comply with the distances specified in Table 3; and (f) not enter a building. TSSA Inspection has determined this facility does not comply with this code (missing vehicular protection of the petroleum storage tank vent pipes).	APR 29, 2022

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**9088777**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JAN 12, 2022**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

	You are hereby ordered to ensure the vent pipe complies with the requirements listed in clause 4.3.1.7 of the Liquid Fuels Handling Code 2017.	

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Suncor Energy) on January 12, 2022 to conduct a follow up inspection regarding orders issued.

During the facility inspection verifying compliance with orders issued this Inspector has discovered the following:

*No vehicular protection installed at the storage tank vent pipes.

*A copy of the annual report regarding the maintenance and testing of the shear valve and leak detection system was not received by this Inspector.

A compliance date of April 29, 2022 has been issued.

Pursuant to my Authority under Section 21(1) of the Technical Standards and Safety Act, 2000, s.o. 2000, I order you to comply with the above Orders.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**8951817**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **AUG 30, 2021**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP:

Line	Reference and Order(s)	Compliance Date
909169-1	Liquid Fuels Handling Code 2017 Clause 4.6.9 - Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. During the facility inspection a copy of the annual report regarding the maintenance and testing of the shear valves and leak detection system was not available for review by this Inspector. You are hereby ordered to comply with clause 4.6.9 of the Liquid Fuels Handling Code 2017 and provide a written record of the maintenance and testing of the shear valves and leak detection system.	OCT 25, 2021
909169-2	Liquid Fuels Handling Code 2017 Clause 4.3.1.7 - Vent pipes, except for emergency vents on aboveground tanks, shall (a) be provided with a weatherproof hood; (b) terminate in open air (i) not less than 2 m above grade level for Class II products, and not less than 3.5 m above grade level for Class I products; (ii) outside buildings, such that fumes from the vent cannot enter or be drawn into any building through a window, door, or other opening, including air intakes; and (iii) at a distance of at least 6 m horizontally from truck loading or parking facilities, or other likely sources of ignition, when venting Class I product tanks located in bulk plants or at railway tank car unloading facilities; (c) be firmly supported and protected; (d) when venting Class I product, be located to minimize the impact of gasoline vapours on people, structures, and mechanical equipment; (e) comply with the distances specified in Table 3; and (f) not enter a building. TSSA Inspection has determined this facility does not comply with this code (missing vehicular protection of the petroleum storage tank vent pipes).	OCT 25, 2021

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**8951817**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **AUG 30, 2021**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

	You are hereby ordered to ensure the vent pipe complies with the requirements listed in clause 4.3.1.7 of the Liquid Fuels Handling Code 2017.	

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Suncor Energy) on August 30, 2021 to conduct a follow up inspection regarding orders issued.

Consulted with gas attendant on site during inspection of the facility verifying compliance with orders issued. I discovered newly installed approved container signage, but missing vehicular protection of the vent pipes and have not received a copy of the annual report regarding the maintenance and testing of the shear valves and leak detection system.

A compliance date of October 25, 2021 has been issued.

Pursuant to my Authority under Section 21(1) of the Technical Standards and Safety Act, 2000, s.o. 2000, I order you to comply with the above Orders.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**8914364**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **APR 12, 2021**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Periodic LF Inspection **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP:

Line	Reference and Order(s)	Compliance Date
909169-1	Liquid Fuels Handling Code 2017 Clause 4.6.9 - Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. During the facility inspection a copy of the annual report regarding the maintenance and testing of the shear valves and leak detection system was not available for review by this Inspector. You are hereby ordered to comply with clause 4.6.9 of the Liquid Fuels Handling Code 2017 and provide a written record of the maintenance and testing of the shear valves and leak detection system.	JUL 11, 2021
909169-2	Liquid Fuels Handling Code 2017 Clause 4.3.1.7 - Vent pipes, except for emergency vents on aboveground tanks, shall (a) be provided with a weatherproof hood; (b) terminate in open air (i) not less than 2 m above grade level for Class II products, and not less than 3.5 m above grade level for Class I products; (ii) outside buildings, such that fumes from the vent cannot enter or be drawn into any building through a window, door, or other opening, including air intakes; and (iii) at a distance of at least 6 m horizontally from truck loading or parking facilities, or other likely sources of ignition, when venting Class I product tanks located in bulk plants or at railway tank car unloading facilities; (c) be firmly supported and protected; (d) when venting Class I product, be located to minimize the impact of gasoline vapours on people, structures, and mechanical equipment; (e) comply with the distances specified in Table 3; and (f) not enter a building. TSSA Inspection has determined this facility does not comply with this code (missing vehicular protection of the petroleum storage tank vent pipes). You are hereby ordered to ensure the vent pipe complies with the requirements listed in clause 4.3.1.7 of the Liquid Fuels Handling Code 2017.	JUL 11, 2021
909169-3	Liquid Fuels Handling Code 2017 Clause 6.2.3 - At every facility there shall be a sign installed, clearly visible to all persons, that sets forth the types of portable containers acceptable for filling with gasoline. TSSA Inspection has determined this facility does not comply with this code (approved container signage posted at the dispensing area does not set forth the types of portable containers acceptable for filling with gasoline). You are hereby ordered to comply with clause 6.2.3 of Liquid Fuels Handling Code 2017 and ensure there is a clearly visible sign that sets forth the types of portable containers acceptable for filling with gasoline.	JUL 11, 2021

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**8914364**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **APR 12, 2021**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Periodic LF Inspection	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Suncor Energy) on April 12, 2021 to conduct an inspection of the petroleum facility.

Consulted with gas attendant on site during inspection of the petroleum and propane facility licences, emergency stop, Veederoot, camera system, testing of the intercom, signage, fire extinguishers, spill kit, fill and vent pipes, vehicular protection, dispensing equipment, STP and dispenser sumps, propane cylinder storage and clearances, and found the following deficiencies:

*A copy of the annual report regarding the maintenance and testing of the shear valves and leak detection system was not available for review by this Inspector.

*Missing vehicular protection of the petroleum storage tank vent pipes.

*Approved container signage posted at the dispensing locations does not indicate the containers approved for filling with gasoline.

A compliance date of July 11, 2021 has been issued.

Reviewed and confirmed tank and piping configuration file regarding this facility.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.

Pursuant to my Authority under Section 21(1) of the Technical Standards and Safety Act, 2000, s.o. 2000, I order you to comply with the above Orders.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3024230**
Inspection Report #	**8914364**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **APR 12, 2021**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Periodic LF Inspection	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Radek Szybowski via: radszyb@gmail.com	**Customer Contact Number:** 1(613) 727 8056	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7769885**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JUN 13, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Petro Canada) on June 13th, 2019 to conduct a follow up inspection regarding Orders issued to this facility.

Consulted with gas attendant on site and Tamara Wiffen - manager by phone during the follow up facility inspection to verify compliance with Orders issued. This Inspector has found all deficiencies have been complied with.

Inspection Complete.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Tamara Wiffen via: bo35197@petro-canada.ca	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7666149**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **APR 03, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Line	Reference and Order(s)	Compliance Date
825605-1	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The STP sump has a slight leak in the piping when the motor is energized. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualified check sump and determine the source of the leak and repair by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	MAY 06, 2019
825605-2	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The cover for the Regular fill point is damaged and needs to be replaced. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons replace the cover by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	MAY 06, 2019
825605-3	Liquid Fuels Handling Code 2017 Clause 6.2.1 At every dispensing facility there shall be installed signage that is visible to all persons as they approach the dispensing location. The signage shall (a) be not less than 20 cm × 28 cm in size; and (b) display (i) NO SMOKING - TURN IGNITION OFF in black letters at least 25 mm in height on a yellow background; or	MAY 06, 2019

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Tamara Wiffen via: bo35197@petro-canada.ca	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.

(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7666149**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **APR 03, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

	(ii) the international no smoking and ignition off symbols in red and black at least 10 cm in diameter on a white background. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The NO SMOKING signs are fadded and will require replacement. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons install new NO SMOKING signs by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	
825605-4	Liquid Fuels Handling Code 2017 Clause 4.6.9 Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The Shear valves and Leak detection systems shall be tested as stated above (if not already done) Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualifed perform testing on all shear valves and leak detection systems at least once a year and a record shall be provided to our office by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	MAY 06, 2019
825605-5	Technical Standards and Safety Act. 19 (3) - Obligation to produce and assist A person who is required to produce a document, record or other thing under subsection 18 (1) shall produce it and shall, on request by the inspector, provide any assistance that is reasonably necessary, including any assistance in using any data storage, processing or retrieval device or system, to produce information or a record that is relevant to the inspection and that is in any form. 2006, c. 34, s. 25 (8). NOTICE: As of February 6, 2019, the site has failed to provide any proof of compliance. THE SITE SHALL PROVIDE PROOF OF THE WORK BEING DONE OR A REQEST SHALL BE SUBMITED BY YOUR CONTRACTOR WITH A DATE THE WORK WILL TAKE PLACE.	MAY 06, 2019

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Tamara Wiffen via: bo35197@petro-canada.ca	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.

(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7666149**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **APR 03, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

	NO OTHER EXTENSIONS WILL BE GRANTED. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualified check the by the compliance date as given. Issued on February 6, 2019	

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Petro Canada) on April 2, 2019 to conduct a follow up inspection regarding Orders issued to this facility.

Consulted with Mrs. Tamara Wiffen - Manager on site during inspection to verify compliance with Orders issued. This Inspector has discovered that none of the Orders have been resolved. A new compliance date of May 6, 2019 has been issued and a follow up inspection will be conducted on this day.

Inspection Complete.

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.

Pursuant to my Authority under Section 21(1) of the Technical Standards and Safety Act, 2000, s.o. 2000, I order you to comply with the above Orders.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Tamara Wiffen via: bo35197@petro-canada.ca	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7557784**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **FEB 06, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Line	Reference and Order(s)	Compliance Date
825605-1	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The STP sump has a slight leak in the piping when the motor is energized. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualified check sump and determine the source of the leak and repair by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	MAR 31, 2019
825605-2	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The cover for the Regular fill point is damaged and needs to be replaced. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons replace the cover by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	MAR 31, 2019
825605-3	Liquid Fuels Handling Code 2017 Clause 6.2.1 At every dispensing facility there shall be installed signage that is visible to all persons as they approach the dispensing location. The signage shall (a) be not less than 20 cm × 28 cm in size; and (b) display (i) NO SMOKING - TURN IGNITION OFF in black letters at least 25 mm in height on a yellow background; or	MAR 31, 2019

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7557784**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **FEB 06, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

	(ii) the international no smoking and ignition off symbols in red and black at least 10 cm in diameter on a white background. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The NO SMOKING signs are fadded and will require replacement. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons install new NO SMOKING signs by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	
8256055-4	Liquid Fuels Handling Code 2017 Clause 4.6.9 Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The Shear valves and Leak detection systems shall be tested as stated above (if not already done) Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualifed perform testing on all shear valves and leak detection systems at least once a year and a record shall be provided to our office by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	MAR 31, 2019
8256055-5	Technical Standards and Safety Act. 19 (3) - Obligation to produce and assist A person who is required to produce a document, record or other thing under subsection 18 (1) shall produce it and shall, on request by the inspector, provide any assistance that is reasonably necessary, including any assistance in using any data storage, processing or retrieval device or system, to produce information or a record that is relevant to the inspection and that is in any form. 2006, c. 34, s. 25 (8). NOTICE: As of February 6, 2019, the site has failed to provide any proof of compliance. THE SITE SHALL PROVIDE PROOF OF THE WORK BEING DONE OR A REQEST SHALL BE SUBMITED BY YOUR CONTRACTOR WITH A DATE THE WORK WILL TAKE PLACE.	MAR 31, 2019

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.

(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7557784**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **FEB 06, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

	NO OTHER EXTENSIONS WILL BE GRANTED. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualified check the by the compliance date as given. Issued on February 6, 2019	

Task Notes

NOTE: As of February 6, 2019 the site has not provided any information.

The site has been granted an extension to comply and no other extensions will be granted unless it is writing from your contractor with a date for the work to be done.

The site shall provide proof of compliance by the date shown and if additional time is required the site shall request so in writing with the reason and proposed date for compliance to the inspector. mhutchinson@tssa.org.
TSSA's time involved with this inspection will be billed to the above named client in the form of cost recovery fees by authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.
Pursuant to my authority under section 21 of the TSSAct, 2011, you are hereby ordered to comply with the above orders forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7381049**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **SEP 04, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Line	Reference and Order(s)	Compliance Date
825605-1	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The STP sump has a slight leak in the piping when the motor is energized. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualified check sump and determine the source of the leak and repair by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	OCT 05, 2018
825605-2	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The cover for the Regular fill point is damaged and needs to be replaced. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons replace the cover by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	OCT 05, 2018
825605-3	Liquid Fuels Handling Code 2017 Clause 6.2.1 At every dispensing facility there shall be installed signage that is visible to all persons as they approach the dispensing location. The signage shall (a) be not less than 20 cm × 28 cm in size; and (b) display (i) NO SMOKING - TURN IGNITION OFF in black letters at least 25 mm in height on a yellow background; or	OCT 05, 2018

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.

(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7381049**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **SEP 04, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

	(ii) the international no smoking and ignition off symbols in red and black at least 10 cm in diameter on a white background. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The NO SMOKING signs are fadded and will require replacement. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons install new NO SMOKING signs by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	
82560 5-4	Liquid Fuels Handling Code 2017 Clause 4.6.9 Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The Shear valves and Leak detection systems shall be tested as stated above (if not already done) Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualifed perform testing on all shear valves and leak detection systems at least once a year and a record shall be provided to our office by the compliance date as given. Issued on June 15, 2018 RE-issued September 4, 2018	OCT 05, 2018

Task Notes

NOTICE: As of September 4, 2018 the site has NOT provided the requried information showing that the work has been done.

The site shall provide proof of compliance by the new date as shown.

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.

(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7381049**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **SEP 04, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Follow up LF Inspect	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

TSSA's time involved with this inspection will be billed to the above named client in the form of cost recovery fees by authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.
Pursuant to my authority under section 21 of the TSSAct, 2011, you are hereby ordered to comply with the above orders forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7194591**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JUN 15, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Periodic LF Inspection **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Line	Reference and Order(s)	Compliance Date
825605-1	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The STP sump has a slight leak in the piping when the motor is energized. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualified check sump and determine the source of the leak and repair by the compliance date as given. Issued on June 15, 2018	JUL 31, 2018
825605-2	Liquid Fuels Handling Code 2017 Clause 1.3.4 Every retail outlet, marina, private outlet, bulk plant, and highway tank shall be maintained in a safe operating condition by the authorization holder and shall be operated safely. Any defective equipment or component shall be repaired or replaced. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The cover for the Regular fill point is damaged and needs to be replaced. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons replace the cover by the compliance date as given. Issued on June 15, 2018	JUL 31, 2018
825605-3	Liquid Fuels Handling Code 2017 Clause 6.2.1 At every dispensing facility there shall be installed signage that is visible to all persons as they approach the dispensing location. The signage shall (a) be not less than 20 cm × 28 cm in size; and (b) display (i) NO SMOKING - TURN IGNITION OFF in black letters at least 25 mm in height on a yellow background; or (ii) the international no smoking and ignition off symbols in red and black at least 10 cm in diameter on a white background.	JUL 31, 2018

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7194591**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JUN 15, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Periodic LF Inspection **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

	NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The NO SMOKING signs are fadded and will require replacement. Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons install new NO SMOKING signs by the compliance date as given. Issued on June 15, 2018	
82560 5-4	Liquid Fuels Handling Code 2017 Clause 4.6.9 Shear valves and leak detection systems shall be maintained and tested at least once per year or in accordance with the manufacturer's instructions and a written record of the maintenance and testing shall be retained. NOTE: In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed. The Shear valves and Leak detection systems shall be tested as stated above (if not already done) Pursuant to my authority under section 21(2) of the Technical Standards and Safety Act, 2000, S.O. 2000, as the (person, corporation, company, party) with the authority to correct the contravention, I order you to have a persons qualifed perform testing on all shear valves and leak detection systems at least once a year and a record shall be provided to our office by the compliance date as given. Issued on June 15, 2018	JUL 31, 2018

Task Notes

In the periodic inspection done on June 15, 2018 of the Petro Canada site located at 4000 Riverside Drive in Ottawa the following was revealed.

The STP sump has a slight leak in the piping when the motor is energized.

The Regular fill point lid is broken and will need to be replaced.

The NO SMOKING signs are fadded and will need to be replaced.

PLEASE DO THE FOLLOWING:
ONCE THE WORK IS COMPLETED SEND TO THE OFFICE PROOF THE WORK HAS BEEN DONE BY THE COMPLIANCE DATE AS SHOWN.

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7194591**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JUN 15, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Periodic LF Inspection	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

REVIEW OF PREVIOUS ORDERS, ALL TRAVEL, SITE INSPECTION, REVIEW OF PREVIOUS ORDERS, DOCUMENTATION AND REPORT PREPARATION BILLED IN ACCORDANCE WITH TSSA POLICY ON NON-COMPLIANCE.

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON JUNE 15, 2018. SHOULD YOU HAVE ANY QUESTIONS ABOUT THIS REPORT, CONTACT Mark Hutchinson at 613-222-5188

NOTICE: all work shall be done by a Ontario Registered Contractor so please ensure the contractor has a TSSA registration and the certificate holder has certification for Ontario.

ALL INSTRUCTIONS MUST BE COMPLETED BY THE DUE DATE AND SENT TO TSSA OR A BILLABLE FOLLOW UP INSPECTIONS WILL APPLY.

Standard Notes

This Inspection Report contains Inspector's Orders with a compliance date(s) and is eligible for Declaration of Compliance. Documented proof that the order(s) have been complied with before the compliance date must be submitted to TSSA This documented proof shall include, but is not limited to, any of the following where applicable: Photocopies of Licenses, Certificates, Registrations, Invoices, and/or Work Orders, Photographs, and Name, Certificate number, and Signature (where applicable) of the person who has performed the corrective action.
YOU MUST EXERCISE THIS OPTION TO AVOID A FOLLOW UP INSPECTION AND THE ASSOCIATED FEES WHICH WILL RESULT.
Reporting requirements are as follows:
1. All Inspector's Orders (directives) appearing on the inspection report must be complied with.
2. A person who has legal signing authority on behalf of the Owner or User must complete the Declaration of Compliance and submit this to TSSA via EMAIL or FAX on or before the last compliance date appearing on the inspection report.
Note: Declaration of Compliance is subject to an audit process which may result in additional inspection fees.

Declaration of Compliance

I, the undersigned hereby declare that all orders on this Inspection Report have been complied with.

Printed Name _____

Title_____

Signature_____ Date_____

Contact Email Address_____ Contact Phone Number_____

It is an offence to knowingly make a false statement or to furnish false information under The Act, the regulations or a ministers order; Technical Standards and Safety Act, 2000; sect. 37.

Submission:
Send an EMAIL (dcreporting@tssa.org) or FAX (416-734-6242) complete with the following information

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2284852**
Inspection Report #	**7194591**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000252030**	Inspection Completion Date: **JUN 15, 2018**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Periodic LF Inspection **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

1. The Service Request number from the Inspection Report as the Subject line.
2. A copy of the Inspection Report with the Declaration of Compliance portion completed and attached.

For more information please email dcreporting@tssa.org

Customer Signature & Position / Date:		**Inspector Name:** Hutchinson, Mark	**Inspector Contact Number:** 613-537-9963
Report Received By: SUNCOR ENERGY PRODUCTS PARTNERSHIP	**Customer Contact Number:** cbujarsky@suncor.com	**Inspector Email**: mhutchinson@tssa.org	**Inspector Fax**: 613-537-5236

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2126508**
Inspection Report #	**6893429**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): Facility Type:	Inspection Completion Date: **OCT 01, 2017** Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Follow up Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Task Notes
TSSA Inspector David Barclay spoke in person with Mrs. Ivy Engler - manager of Petro Canada on Sept. 25, 2017 confirming compliance with orders issued. Orders have been resolved.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Ivy Engler via: bo35917@suncor.com	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2126508**
Inspection Report #	**6890234**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): Facility Type:	Inspection Completion Date: **JUL 20, 2017** Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: SUNCOR ENERGY PRODUCTS PARTNERSHIP

Line	Reference and Order(s)	Compliance Date
797602-1	Unlisted Deficiency CAN/CSA B149.1-15 sec.6.16.1 Outdoor piping or indoor piping and tubing that is exposed to atmospheres that are corrosive to the piping or tubing shall be protected by either painting or coating. The following Order is issued July 20th, 2017. TSSA Inspection has determined this facility does not comply with this code (gas supply piping installed outside at both the convenience store and the car wash is rusty). You are hereby Ordered to make the necessary correction by the compliance date issued.	AUG 31, 2017
797602-2	Technical Standards and Safety Act. 19 (1) - Entry, inspection, etc. Every person shall, (a) furnish all necessary means in his or her power to facilitate any entry, inspection, examination, test or inquiry by an inspector in the exercise of his or her powers and the carrying out of his or her duties; and (b) pay the fees required by the Corporation for an inspection, examination, test or inquiry under clause (a). 2000, c. 16, s. 19 (1); 2009, c. 28, s. 7 (1). The following Order is issued July 20th, 2017. The following information is required by the compliance date issued: *The contact information of the company who conducts the annual maintenance work on the natural gas equipment at the car wash and convenience store. This shall be complete with a copy of the work order from the company.	AUG 31, 2017

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Petro Canada) on July 20th, 2017 to conduct an inspection of the natural gas equipment at the car wash.

Consulted with Ivy Engler on site during inspection of the 3 natural gas boilers in the car wash as well as the gas supply piping. Inspection of the roof top natural gas furnace at the convenience store was not conducted. The following deficiency was discovered:

*Natural gas supply piping located outside at the car wash and convenience store is rusty.

This Inspector advised Mrs. Engler of the deficiency and compliance date.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Ivy Engler via: bo35917@suncor.com	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**2126508**
Inspection Report #	**6890234**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): Facility Type:	Inspection Completion Date: **JUL 20, 2017** Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **3275 REBECCA ST** **OAKVILLE;ON** **CA L6L 6N5**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2011 and according to TSSA billing policy.

Pursuant to my Authority under Section 21 of the TSSAct, 2011, you are hereby Ordered to comply with the above Orders forthwith.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Ivy Engler via: bo35917@suncor.com	**Customer Contact Number:** (613) 249-9089	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1300396**
Inspection Report #	**4743957**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **JWK UTILITIES & SITE SERVICES LTD** **PO BOX 314** **CARP;ON** **CA K0A 1L0**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: JWK UTILITIES & SITE SERVICES LTD and Owner Jason Kemp

Line	Reference and Order(s)	Compliance Date
681520-1	Technical Standards and Safety Act. 41 - Duties of employers, contractors Every contractor and employer shall take all reasonable precautions to ensure that they and their agents and employees comply with this Act, the regulations or a Minister's order. 2000, c. 16, s. 41. TSSA Inspection has determined that JWK UTILITIES & SITE SERVICES LTD, has failed to take all reasonable precautions to ensure that they and their agents and employees comply with this Act, the regulations or a Minister's order. You are hereby ordered, pursuant to section 41 of the Technical Standards and Safety Act, to ensure your employee or agent complies with regulation 210/01 section 9(1) and 10 to ascertain the location of any pipeline that may be interfered with from the licence holder and be readily accessible on site and to cease and desist any interference or damage of any pipeline without authority to do so. For your reference: Ontario Regulation 210/01 section 9(1) and 10. Ascertaining pipeline locations 9(1). No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining from the licence holder the location of any pipeline that may be interfered with. No interference with pipeline 10. No person shall interfere with or damage any pipeline without authority to do so.	DEC 12, 2013
681520-2	ONTARIO REGULATION 210/01. (OIL AND GAS PIPELINE SYSTEMS) 9 (1) - Ascertaining pipeline locations No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining from the licence holder the location of any pipeline that may be interfered with. O. Reg. 210/01, s. 9 (1). TSSA Inspection has determined that JWK UTILITIES & SITE SERVICES LTD, has failed to comply with this regulation. (See task notes below) You are hereby ordered, pursuant to Ontario regulation 210/01, section 9 (1), to ascertain the location of any pipeline that may be interfered with from the licence holder and be readily accessible on site.	DEC 12, 2013
681520-3	ONTARIO REGULATION 210/01. (OIL AND GAS PIPELINE SYSTEMS) 10 - No interference with pipeline No person shall interfere with or damage any pipeline without authority to do so. O. Reg. 210/01, s. 10. TSSA Inspection has determined that JWK UTILITIES & SITE SERVICES LTD, has failed to comply with this regulation. (See task notes below) You are hereby ordered, pursuant to Ontario regulation 210/01, section 10, to cease and desist any interference or damage of any pipeline without authority to do so.	DEC 12, 2013

Customer Signature & Position / Date:		**Inspector Name:** Askwith, Clinton	**Inspector Contact Number:** 613-282-0867
Report Received By: Jason Kemp by email (j.kemp@kwyutilities.com)	**Customer Contact Number:** 613-839-7500	**Inspector Email**: caskwith@tssa.org	**Inspector Fax**: 416-734-3206

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1300396**
Inspection Report #	**4743957**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **JWK UTILITIES & SITE SERVICES LTD** **PO BOX 314** **CARP;ON** **CA K0A 1L0**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Task Notes

TSSA Inspector Clinton Askwith conducted a gas line strike incident inspection that had occurred at 4000 Riverside Drive, Ottawa on October 3, 2013.

The subsequent inspection had discovered that while conducting excavation work at the above mentioned addresses, Cory Smith, an Equipment Operator for JWK UTILITIES & SITE SERVICES LTD, had damaged the natural gas lines (without authority to do so) with machinery.

On December 11, 2013, Inspector Askwith had met with Jason Kemp, Owner of the Company, Henry Hodd, Foreman and Operator Cory Smith, to discuss the incident and guidelines for digging within the vicinity of gas lines. All parties had confirmed the details in the Enbridge Damage Report stating that locate field markings were no longer visible and that no day lighting to ascertain the location of the gas line had taken place.

Pursuant to my authority under section 21 of the TSS Act, You are hereby ordered to FORTHWITH comply with these Inspector's orders.

The above Inspector's Orders are a result of the inspection at this location on the date as noted. Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2000 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Askwith, Clinton	**Inspector Contact Number:** 613-282-0867
Report Received By: Jason Kemp by email (j.kemp@kwyutilities.com)	**Customer Contact Number:** 613-839-7500	**Inspector Email**: caskwith@tssa.org	**Inspector Fax**: 416-734-3206

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1300440**
Inspection Report #	**4744036**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **Henry Hobb** **8340 Fallowfield Road** **Ashton;ON** **CA K0A 1B0**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: Henry Hobb

Line	Reference and Order(s)	Compliance Date
68152 9-1	Technical Standards and Safety Act. 41 - Duties of employers, contractors Every contractor and employer shall take all reasonable precautions to ensure that they and their agents and employees comply with this Act, the regulations or a Minister's order. 2000, c. 16, s. 41. You are hereby ordered, pursuant to section 41 of the Technical Standards and Safety Act, to ensure your employee or agent complies with regulation 210/01 section 9(1) and 10 to ascertain the location of any pipeline that may be interfered with from the licence holder and be readily accessible on site and to cease and desist any interference or damage of any pipeline without authority to do so. For your reference: Ontario Regulation 210/01 section 9(1) and10. Ascertaining pipeline locations 9(1). No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining from the licence holder the location of any pipeline that may be interfered with. No interference with pipeline 10. No person shall interfere with or damage any pipeline without authority to do so.	DEC 12, 2013

Task Notes

TSSA Inspector Clinton Askwith conducted a gas line strike incident inspection that had occurred at 4000 Riverside Drive, Ottawa on October 3, 2013.

The subsequent inspection had discovered that while conducting excavation work at the above mentioned addresses, Cory Smith, an Equipment Operator for JWK UTILITIES & SITE SERVICES LTD, had damaged the natural gas lines (without authority to do so) with machinery.

On December 11, 2013, Inspector Askwith had met with Jason Kemp, Owner of the Company, Henry Hobb, Foreman (at the time of the incident) and Operator Cory Smith, to discuss the incident and guidelines for digging within the vicinity of gas lines. All parties had confirmed the details in the Enbridge Damage Report stating that locate field markings were no longer visible and that no day lighting to ascertain the location of the gas line had taken place.

Pursuant to my authority under section 21 of the TSS Act, You are hereby ordered to FORTHWITH comply with these Inspector's orders.

The above Inspector's Orders are a result of the inspection at this location on the date as noted. Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2000 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Askwith, Clinton	**Inspector Contact Number:** 613-282-0867
Report Received By: Henry Hobb by signature required mail	**Customer Contact Number:** 613-791-7731	**Inspector Email**: caskwith@tssa.org	**Inspector Fax**: 416-734-3206

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1300440**
Inspection Report #	**4744036**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **Henry Hobb** **8340 Fallowfield Road** **Ashton;ON** **CA K0A 1B0**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Customer Signature & Position / Date:		**Inspector Name:** Askwith, Clinton	**Inspector Contact Number:** 613-282-0867
Report Received By: Henry Hobb by signature required mail	**Customer Contact Number:** 613-791-7731	**Inspector Email**: caskwith@tssa.org	**Inspector Fax**: 416-734-3206

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1300430**
Inspection Report #	**4744006**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **Cory Smith** **8830 McCaffrey Trail** **Ashton;ON** **CA K0A 1B0**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Orders Issued To: Cory Smith

Line	Reference and Order(s)	Compliance Date
681524-1	ONTARIO REGULATION 210/01. (OIL AND GAS PIPELINE SYSTEMS) 9 (1) - Ascertaining pipeline locations No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining from the licence holder the location of any pipeline that may be interfered with. O. Reg. 210/01, s. 9 (1). You are hereby ordered, pursuant to Ontario regulation 210/01, section 9 (1), to ascertain the location of any pipeline that may be interfered with from the licence holder and be readily accessible on site, from this day forward. (See task notes below)	DEC 12, 2013
681524-2	ONTARIO REGULATION 210/01. (OIL AND GAS PIPELINE SYSTEMS) 10 - No interference with pipeline No person shall interfere with or damage any pipeline without authority to do so. O. Reg. 210/01, s. 10. You are hereby ordered, pursuant to Ontario regulation 210/01, section 10, to cease and desist any interference or damage of any pipeline without authority to do so, from this day forward. (See task notes below)	DEC 12, 2013

Task Notes

TSSA Inspector Clinton Askwith conducted a gas line strike incident inspection that had occurred at 4000 Riverside Drive, Ottawa on October 3, 2013.

The subsequent inspection had discovered that while conducting excavation work at the above mentioned addresses, Cory Smith, an Equipment Operator for JWK UTILITIES & SITE SERVICES LTD, had damaged the natural gas lines (without authority to do so) with machinery.

On December 11, 2013, Inspector Askwith had met with Jason Kemp, Owner of the Company, Henry Hodd, Foreman and Operator Cory Smith, to discuss the incident and guidelines for digging within the vicinity of gas lines. All parties had confirmed the details in the Enbridge Damage Report stating that locate field markings were no longer visible and that no day lighting to ascertain the location of the gas line had taken place.

Pursuant to my authority under section 21 of the TSS Act, You are hereby ordered to FORTHWITH comply with these Inspector's orders.

The above Inspector's Orders are a result of the inspection at this location on the date as noted. Cost recovery fees will be billed to the above named client by Authority of Section 19 of the TSSAct, 2000 and according to TSSA billing policy.

Customer Signature & Position / Date:		**Inspector Name:** Askwith, Clinton	**Inspector Contact Number:** 613-282-0867
Report Received By: Cory Smith by signature required mail	**Customer Contact Number:** 613-257-2901	**Inspector Email**: caskwith@tssa.org	**Inspector Fax**: 416-734-3206

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1300430**
Inspection Report #	**4744006**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date:
	Facility Type:	Equipment Type:
Customer Name and Address: **Cory Smith** **8830 McCaffrey Trail** **Ashton;ON** **CA K0A 1B0**	Task Type: FS-Enforcement Action	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Customer Signature & Position / Date:		**Inspector Name:** Askwith, Clinton	**Inspector Contact Number:** 613-282-0867
Report Received By: Cory Smith by signature required mail	**Customer Contact Number:** 613-257-2901	**Inspector Email**: caskwith@tssa.org	**Inspector Fax**: 416-734-3206

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1153692**
Inspection Report #	**4565461**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): **000171210**	Inspection Completion Date: **AUG 28, 2013**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **1197767 ONTARIO LIMITED** **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Task Type: FS-Periodic LF Inspection	
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Task Notes

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON AUG 28 2013. SHOULD YOU HAVE ANY QUESTIONS, CONTACT DAVID NORMAN AT 613-2977422
If you have questions regarding your invoice, when received, contact TSSA billing department by telephone at (416)734-3555, or by e-mail at tssa_billing_team@tssa.org.
ON SITE FOR REGULAR AUDIT. ALL SUMP SENSORS INSTALLED AND WORKING. ALL FIRE EQUIPMENT AND SIGNAGE IN PLACE AND UP TO DATE. SITE HAS TLC 350 TO MONITOR TANKS.YEARLY INSPECTION COMPLETED BY GP. STAFF TRAINED AND SIGNED OFF. SITE IN COMPLIANCE AT THE TIME OF THIS INSPECTION.

Standard Notes

TSSA inspected the above mentioned location and did not find any non-compliances at the time of inspection.

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By:	**Customer Contact Number:**	**Inspector Email:** DNorman@tssa.org	**Inspector Fax:** 613-284-8296

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**505714**
Inspection Report #	**3178787**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s):	Inspection Completion Date: **DEC 23, 2010**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **1197767 ONTARIO LIMITED** **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Task Type: **FS-LF Pre Lic Insp**	Total Billable Hours: **2**
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Task Notes

ON SITE TO INSPECT FACILITY FOR LICENCE HOLDER CHANGE. SITE N COMPLIANCE AT THE TIME OF THIS INSPECTION. PRE-LICENCE ISSUED.

Standard Notes

Dear Sir/Madam:This document is not transferable to any other facility, vehicle or location.This document is your authorization to immediately begin operation of the facility or tank vehicle at the location noted above. This document must be kept at the location or carried with the licenced vehicle until you receive the formal licence.A permanent licence will be sent to you within four weeks of your payment of the pre-licence inspection fee. It is illegal to operate without a valid temporary or permanent license.THIS IS A TEMPORARY LICENCE AND WILL EXPIRE 90 DAYS FROM DATE OF ISSUE.

Labour Detail

Date	Activity	Hours	Comments
DEC 23, 2010	Inspection	1.5	INSPECT SITE PREPARE AND ISSUE PRE-LICENCE
DEC 23, 2010	Travel	.5	

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**501462**
Inspection Report #	**3169425**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1T 3S4**	Reference Number(s):	Inspection Completion Date: **DEC 14, 2010**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **1213475 ONTARIO INC O/A GAS STN** **4358 INNES RD** **ORLEANS;ON** **CA K4A 3W3**	Task Type: **FS-Periodic LF Inspection**	Total Billable Hours:
	The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.	

Task Notes

ON SITE FOR REGULAR AUDIT THIS SITE CLEAN AND WELL KEPT. I FIND THIS SITE TO BE IN COMPLIANCE AT THE TIME OF THIS INSPECTION.

Standard Notes

TSSA inspected the above mentioned location and did not find any non-compliances at the time of inspection.

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

www.tssa.org

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
Ph - (416) 734-3300, Fax - (416) 231-1626
Toll - 1-877-682-8772

Fuel Safety Inspection Report

Technical Standards and Safety Act, 2000

1 *Report Number:* **FS-2008-0003074**
2 *File Number:* **000076647860**

3 Location Address	4 License/Serial Number	5 Job Type	6 Inspection Date
4000 RIVERSIDE DR OTTAWA, ONTARIO K1T 3S4 CA	**000076647860**	**New License/Modification Job (FS)**	**Feb 25, 2008**

7 *Facility Type*: **Gasoline Station - Self Serve**

8 *Client*
**1213475 ONTARIO INC O/A GAS STN
4358 INNES RD
ORLEANS, ONTARIO K4A 3W3
CA**

The Facility/Equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service. In the interim period the recipient must ensure that additional precautions are taken for safe use.

9 Order No.	10 Code Section	11 Order Issued To	12 Compliance Date
	LFHC 2007 5.2.8	Full-serve and self-serve facilities - For self-serve facilities built prior to January 1, 2007, the video monitoring system for dispensing positions located within 140 degrees and 18.5 m of the console shall comply with the following: (a) All filling positions shall be located in the attendant's line of vision. (b) Filling positions that are obstructed shall be monitored by a mirror or a camera. (c) The image displayed in the mirror or on the monitor shall be of adequate size and clarity to allow the attendant to identify a 5 L jerry can. **does not meet the jan 1 2007 standards**	Mar 25, 2008

INSPECTION NOTE: ON SITE FOR LICENCE HOLDER CHANGE INSPECTORS ORDERS ISSUED.YOU ARE ORDERED TO COMPLY WITH THE ABOVE INSTRUCTIONS BY COMPLIANCE DATE AND RETURN TO INSPECTOR BY FAX! IF NOT RECEIVED ADDITIONAL FEES SHALL APPLY.

* Note: This report is eligible for the Voluntary Compliance option.

1. All Inspectors orders appearing on the inspection report must be complied with.
2. The recipient must complete the Voluntary Compliance Option box. After complying with the above conditions, this inspection report must be returned directly to TSSA head office via fax or mail, by the last compliance date appearing on the inspection report.
3. Should TSSA fail to receive the Voluntary Compliance Form by the compliance date, an inspector will re-inspect and bill at double our normal rate.

For more information please contact TSSA at the number above or toll-free at 1-877-682-8772.
It is an offence to knowingly make a false statement or to furnish false information under the Act, the Regulations or a Ministers order. (Technical Standards and Safety Act, 2000; Sect 37)

Inspection Activity - Time Allocation Detail

Date	Activity	Hours	Rate	Comments
Feb 25, 2008	Administration-Billable	0.50	Straight	
Feb 25, 2008	Inspection-Billable	1.00	Straight	
Feb 25, 2008	Travel-Billable	0.50	Straight	

13 Total Time	14 Travel Time	15 Billable Hours	16 Additional Charges
2	**0.5**	**2**	

Voluntary Compliance Option* - Eligible? ☒ Yes ☐ No *Please, refer to guidelines

I hereby confirm that all the Inspector's orders, appearing on this inspection report have been completed.

Print Name _____ *Client Signature* _____

David Norman — *Inspector*

(613) 284-8296 — *Inspector Fax Number*

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis.
An invoice will be issued for this activity.

Putting Public Safety First

(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**3039230**
Inspection Report #	**8952482**

Inspection Address: **4000 RIVERSIDE DR** **OTTAWA;ON** **CA K1V 2E8**	Reference Number(s): Facility Type:	Inspection Completion Date: **APR 14, 2021** Equipment Type:
Customer Name and Address: **SUNCOR ENERGY PRODUCTS PARTNERSHIP** **2489 NORTH SHERIDAN WAY** **MISSISSAUGA;ON** **CA L5K 1A8**	Task Type: FS-Unscheduled Inspect **The facility/equipment is inspected in accordance with Ontario's Technical Standards & Safety Act and the appropriate regulations and codes. When an Inspector's order is issued, time limits for compliance reflect the severity of the violation and serve to avoid disruption of service.**	

Orders Issued To: No Orders Issued.

Task Notes

TSSA Inspector David Barclay travelled to 4000 Riverside Dr; Ottawa (Suncor) on April 12, 2021 and conducted an inspection of the propane cylinder exchange facility.

On site inspection of the propane cylinders in storage, clearances, signage, facility licence, no deficiences found.

Inspection Complete.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Internal use only.	**Customer Contact Number:**	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

As a not-for-profit regulatory authority, TSSA operates on a cost recovery basis. An Invoice will be issued for the Total Charges Incurred.
(Note: This is not an invoice)

February 8, 2011

Natale Busa
1197767 Ontario Ltd.
4171 Wolfe Point Court
Ottawa, ON K1P 1P5

File Number(s): D02-01-BANK
D02-01-WOOD
D02-01-PRIN
D02-01-FALL
D02-01-RIVE

Dear Mr. Busa,

Re: Propane Cylinder Cages for:

Street Address	Zoning Designation
2471 Bank St.	**AM – Arterial Mainstreet**
3300 Woodroffe Ave.	**GM 15 – General Mixed-Use Zone**
1372 Prince of Wales Dr.	**GM1 F(1.0) – General Mixed-Use Zone**
3766 Fallowfield Rd.	**GM15 [1419] H(18.5) – General Mixed-Use Zone**
4000 Riverside Dr.	**IL – Light Industrial**

This letter acknowledges the request made on February 7th, 2011, confirming the zoning provisions for a propane cylinder cage at the above-mentioned properties.

We wish to advise that these properties are subject to the provisions of the Zoning By-Law 2008-250, as amended, according to their respective zoning designations.

A propane cylinder cage would be permitted in the above-mentioned zones provided that they also meet the provisions for the Handling and Transfer of Propane and Natural Gas (Section 66):

1. Facilities relating to the handling and transfer of propane and natural gas, including tanks and associated compressors, pumps and other similar facilities must not be located in any required front, side, corner side or rear yard, nor closer than 30 metres to any lot line abutting a residential zone.

2. Despite subsection (1), the minimum of 30 metres may be reduced to a minimum of 6 metres where it can be demonstrated that the appropriate noise abatement measures have been undertaken to ensure that noise levels at the boundary of the residential zone do not create a nuisance for uses in that abutting residential zone.

We trust this information is of assistance to you and wish to emphasize that our response was formulated based on the information you provided. Should circumstances change, or you require further information, please contact the undersigned.

Sincerely,

Mitchell LeSage

Mitchell LeSage,
Development Information Officer
e. Mitchell.LeSage@ottawa.ca
t. 613.580.2424 ext. 13902
f. 613.580.2687

Subject: RE: TSSA Information Search Request - SLR PN: 216.030059.00001
Sent: 2/22/2024, 11:42:25 AM
From: Public Information Services<publicinformationservices@tssa.org>
To: Shabnam Salimi

Follow Up Flag: Follow up
Flag Status: Completed

Hello ,

RECORD FOUND IN CURRENT DATABASE:

- We confirm that there are **fuels records** in our database at the subject address(es).

Inventory Number	Address	City	Province	Postal Code	Reason Code	Asset Class / Inventory Context	Asset Type / Inventory Item
27112899	4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	Active	Liquid Fuels	FS GASOLINE STATION - SELF SERVE
27323046	4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
27323047	4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
27323048	4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
30248311	4000 RIVERSIDE DR	OTTAWA	ON	K1V 2E8	Active	Propane	FS CYLINDER EXCHANGE

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **fuels records** in our database at the subject address(es).
- *4010 Riverside Drive, Ottawa, ON*
- *3990 Riverside Drive, Ottawa, ON*
- *4120B Riverside Drive, Ottawa, ON*
- *4120F Riverside Drive, Ottawa, ON*
- *3987 Riverside Drive, Ottawa, ON*
- *3967 Riverside Drive, Ottawa, ON*
- *224 Hunt Club Road, Ottawa, ON*
- *220 Hunt Club Road, Ottawa, ON*
- *1 Hunt Club Road, Ottawa, ON*

This is not a confirmation that there are no records in the archives. For a further search in our archives, please apply for release of public information (PI Form) through TSSA's new Service Prepayment Portal. The associated fee must be paid via credit card (Visa or MasterCard) through a secure site.
Please follow the steps below to access the applications and the Service Prepayment Portal:

Accessing the applications

1. Click Request a Public Record
2. Select the appropriate application, download it, complete it in full and save it (you will have to upload application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

Accessing the Service Prepayment Portal

1. Select new or existing customer (*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select **Public Information** and click continue
3. Enter application form number (found on the bottom left corner of the application form - **PI-095-v2**) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

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

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

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

Kind regards,

Slavka Zahrebelny | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3585 | Fax: +1 416-734-6242 | E-Mail: szahrebelny@tssa.org
www.tssa.org

Winner of 2023 5-Star Safety Cultures Award

From: Shabnam Salimi <ssalimi@slrconsulting.com>
Sent: Thursday, February 22, 2024 11:27 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Information Search Request - SLR PN: 216.030059.00001

Hello,

SLR would like to request a search of any information that the TSSA may have in your files of an environmental nature (including fuel storage tanks, outlets/facilities, etc.) pertaining to the following properties/addresses below:

- *4000 Riverside Drive, Ottawa, ON*
- *4010 Riverside Drive, Ottawa, ON*
- *3990 Riverside Drive, Ottawa, ON*
- *4120B Riverside Drive, Ottawa, ON*
- *4120F Riverside Drive, Ottawa, ON*
- *3987 Riverside Drive, Ottawa, ON*
- *3967 Riverside Drive, Ottawa, ON*
- *224 Hunt Club Road, Ottawa, ON*
- *220 Hunt Club Road, Ottawa, ON*
- *1 Hunt Club Road, Ottawa, ON*

Thank you in advance and if you have any questions regarding this request, please feel free to contact me.

Thanks,
Shabnam Salimi

Shabnam Salimi M.Eng.

Environmental Practitioner

M +1 613 223 9558
E ssalimi@slrconsulting.com

SLR Consulting (Canada) Ltd.
2301 St. Laurent, Ste. 400, Ottawa ON Canada K1G 4J7

Appendix C ERIS Database Report

Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197

4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024

DATABASE REPORT

Project Property:	*Huntclub* *Riverside Drive* *Ottawa ON K1V 2E8*
Project No:	
Report Type:	*RSC Report - Quote*
Order No:	*24032000375*
Requested by:	*SLR Consulting (Canada) Ltd.*
Date Completed:	*April 3, 2024*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Huntclub* *Riverside Drive Ottawa ON K1V 2E8*
Project No:	

Order Information:

Order No:	*24032000375*
Date Requested:	*March 20, 2024*
Requested by:	*SLR Consulting (Canada) Ltd.*
Report Type:	*RSC Report - Quote*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*
ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	2	2
CA	Certificates of Approval	Y	1	6	7
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	1	2	3
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	4	4
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	1	1	2
FST	Fuel Storage Tank	Y	4	0	4
FSTH	Fuel Storage Tank - Historic	Y	1	0	1
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	55	55
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory 1993-2020	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	1	0	1
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	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	1	1
SPL	Ontario Spills	Y	0	5	5
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	10	10

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
Total:			9	89	98

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	FSTH	1213475 ONTARIO INC O/A GAS STN	4000 RIVERSIDE DR OTTAWA ON K1V 2E8	WSW/0.0	-0.04	30
1	CA	4059930 Canada Inc.	4000 Riverside Drive Ottawa ON K1V 2E8	WSW/0.0	-0.04	30
1	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	WSW/0.0	-0.04	30
1	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	WSW/0.0	-0.04	31
1	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	WSW/0.0	-0.04	31
1	PINC	PIPELINE HIT 1 1/4"	4000 RIVERSIDE DR.,,OTTAWA,ON,K1V 2E8,CA ON	WSW/0.0	-0.04	31
1	ECA	4059930 Canada Inc.	4000 Riverside Drive Ottawa ON	WSW/0.0	-0.04	32
1	FRST		4000 Riverside Dr Ottawa ON	WSW/0.0	-0.04	32

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	WSW/0.0	-0.04	38

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	CA	R.M. OF OTTAWA-CARLETON	RIVERSIDE DR./HUNT CLUB RD. OTTAWA CITY ON	NE/52.4	-3.80	38
2	SPL	City of Ottawa	Huntclub rd and Riverside Dr Ottawa ON	NE/52.4	-3.80	39
2	ECA	City of Ottawa	Corner of Hunt Club and Riverside Ottawa ON K1J 8G8	NE/52.4	-3.80	39
3	CA	R.M.O.C. TRANSPORTATION DEPARTMENT	HUNT CLUB ROAD & RIVERSIDE RD. OTTAWA CITY ON	NE/52.4	-3.80	40
3	CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB RD. RIVERSIDE DR. OTTAWA CITY ON	NE/52.4	-3.80	40
3	CA	R.M.O.C. WORKS DEPARTMENT	HUNT CLUB RD. & RIVERSIDE DR. OTTAWA CITY ON	NE/52.4	-3.80	40
3	CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB RD./RIVERSIDE DR. OTTAWA CITY ON	NE/52.4	-3.80	41
4	GEN	Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	ESE/81.0	-0.37	41
4	GEN	Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	ESE/81.0	-0.37	41
4	GEN	Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	ESE/81.0	-0.37	42
4	GEN	Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	ESE/81.0	-0.37	42
5	WWIS		3990 Riverside Drive Ottawa ON	SW/81.6	-7.50	42

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7333869			
6	EHS		3967 Riverside Drive Ottawa ON K1V 1C1	ENE/84.6	-0.55	45
7	WWIS		3990 Riverside Drive Ottawa ON ***Well ID:*** 7333868	SSW/131.7	-2.70	46
8	WWIS		3990 RIVERSIDE RD RIVERSIDE AND HUNT CLUB DRIVE Ottawa ON ***Well ID:*** 7341988	SW/132.0	-6.21	48
9	WWIS		3990 Riverside Drive Ottawa ON ***Well ID:*** 7333870	SW/132.8	-4.94	52
10	WWIS		3990 Riverside Drive Ottawa ON ***Well ID:*** 7333867	SSW/133.6	-2.70	55
11	WWIS		3990 Riverside Drive Ottawa ON ***Well ID:*** 7333871	SSW/139.5	-2.70	58
12	WWIS		3990 Riverside Drive offana ON ***Well ID:*** 7333815	SSW/164.1	-2.84	61
13	RSC		3930 Riverside Drive Ottawa ON	NNW/171.2	-21.96	64
13	EHS		3930 Riverside Drive Ottawa ON	NNW/171.2	-21.96	64
14	SPL	Residentail home of s21<UNOFFICIAL>	4120 F Riverside Drive, Ottawa Ottawa ON	S/202.1	0.41	65
15	SPL	Parson Refrigeration (1985) Ltd.	224 Hunt Club Road Ottawa ON	E/252.4	-0.37	65
15	GEN	Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	E/252.4	-0.37	66
15	GEN	Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	E/252.4	-0.37	67

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
15	GEN	Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	E/252.4	-0.37	67
15	GEN	Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	E/252.4	-0.37	67
16	EHS		4070 Riverside Dr Ottawa ON	S/259.6	0.33	68
17	SPL		4120B Riverside Dr Ottawa ON K1V 1C4	SW/268.8	-28.67	68
17	INC		4120B RIVERSIDE DRIVE, OTTAWA ON	SW/268.8	-28.67	69
18	WWIS		lot 26 con A ON ***Well ID:*** 1504330	WNW/274.2	-23.14	70
19	BORE		ON	WNW/274.3	-23.14	73
20	WWIS		lot 26 con A ON ***Well ID:*** 1504118	W/283.7	-21.98	74
21	BORE		ON	W/283.8	-21.98	76
22	GEN	OTTAWA HUNT AND GOLF CLUB LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	77
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	78
22	GEN	The Ottawa Hunt & Golf Club	1 Hunt Golf Club Road Ottawa ON K1V 1B9	NE/285.1	-1.70	78
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	78

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	79
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	79
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	80
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON	NE/285.1	-1.70	80
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	81
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	81
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	82
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	82
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	83
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	83
22	GEN	OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	NE/285.1	-1.70	84
23	WWIS		ON ***Well ID:*** 7311682	NNW/292.8	-15.67	84
24	SCT	Canadian Airmotive Ltd.	220 Hunt Club Rd Unit 3 Ottawa ON K1V 1C1	E/294.6	0.02	85

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	GEN	Canadian Airmotive Ltd.	220 Hunt Club Road Ottawa ON K1V 1C1	E/294.6	0.02	86
24	GEN	Canadian Airmotive Avionics Ltd.	220 Hunt Club Road Unit 2 Ottawa ON K1V 1C1	E/294.6	0.02	86
24	GEN	Canadian Airmotive Avionics Ltd.	220 Hunt Club Road Ottawa ON K1V 1C1	E/294.6	0.02	86
24	GEN	Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON K1V 1C1	E/294.6	0.02	87
24	GEN	Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	E/294.6	0.02	87
24	GEN	Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	E/294.6	0.02	87
24	GEN	Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	E/294.6	0.02	88
24	GEN	Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON K1V 1C1	E/294.6	0.02	88
24	GEN	Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	E/294.6	0.02	88
24	GEN	Ottawa Aviation Services	220 Hunt Club Road Ottawa ON	E/294.6	0.02	89
24	SPL	Enbridge Gas Distribution Inc.	220 Hunt Club Rd. Ottawa ON	E/294.6	0.02	89
24	GEN	Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V 1C1	E/294.6	0.02	90
24	GEN	Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V 1C1	E/294.6	0.02	90

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	GEN	Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V6P7	E/294.6	0.02	91
24	GEN	Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V 1C1	E/294.6	0.02	91
24	GEN	Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V6P7	E/294.6	0.02	92
24	FRST		220 Hunt Club ottawa ON	E/294.6	0.02	92
25	GEN	INNOTECH AVIATION LIMITED 21-496	OTTAWA INTERNATIONAL AIRPORT BUILDING T104, 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	96
25	GEN	INNOTECH AVIATION LIMITED	OTTAWA INTERNATIONAL AIRPORT 260 HUNT CLUB ROAD, BUILDING T104 OTTAWA ON K1G 3N3	ENE/298.2	-1.43	97
25	GEN	SANDER GEOPHYSICS LTD.	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	97
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	98
25	EBR	Sander Geophysics Limited	260 Hunt Club Rd Ottawa Ontario K1V 1C1 Ottawa ON	ENE/298.2	-1.43	98
25	CA	Sander Geophysics Limited	Ottawa ON	ENE/298.2	-1.43	99
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	99
25	GEN	Sander Geophysics Limited	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	99

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	100
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	100
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	101
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON	ENE/298.2	-1.43	101
25	ECA	Sander Geophysics Limited	260 Hunt Club Rd Ottawa ON K1V 1C1	ENE/298.2	-1.43	102
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	102
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	103
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	104
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	104
25	EHS		260 Hunt Club Road Ottawa ON K1V 1H7	ENE/298.2	-1.43	105
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	105
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	106
25	GEN	SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	ENE/298.2	-1.43	107

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	274.3	19
	ON	283.8	21

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 7 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
4059930 Canada Inc.	4000 Riverside Drive Ottawa ON K1V 2E8	0.0	1
R.M. OF OTTAWA-CARLETON	RIVERSIDE DR./HUNT CLUB RD. OTTAWA CITY ON	52.4	2
R.M. OF OTTAWA-CARLETON	HUNT CLUB RD. RIVERSIDE DR. OTTAWA CITY ON	52.4	3
R.M.O.C. TRANSPORTATION DEPARTMENT	HUNT CLUB ROAD & RIVERSIDE RD. OTTAWA CITY ON	52.4	3
R.M. OF OTTAWA-CARLETON	HUNT CLUB RD./RIVERSIDE DR. OTTAWA CITY ON	52.4	3
R.M.O.C. WORKS DEPARTMENT	HUNT CLUB RD. & RIVERSIDE DR. OTTAWA CITY ON	52.4	3

Site	Address	Distance (m)	Map Key
Sander Geophysics Limited	Ottawa ON	298.2	25

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Jan 31, 2024 has found that there are 1 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sander Geophysics Limited	260 Hunt Club Rd Ottawa Ontario K1V 1C1 Ottawa ON	298.2	25

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jan 31, 2024 has found that there are 3 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
4059930 Canada Inc.	4000 Riverside Drive Ottawa ON	0.0	1
City of Ottawa	Corner of Hunt Club and Riverside Ottawa ON K1J 8G8	52.4	2
Sander Geophysics Limited	260 Hunt Club Rd Ottawa ON K1V 1C1	298.2	25

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Dec 31, 2023 has found that there are 4 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3967 Riverside Drive Ottawa ON K1V 1C1	84.6	6

Site	Address	Distance (m)	Map Key
	3930 Riverside Drive Ottawa ON	171.2	13
	4070 Riverside Dr Ottawa ON	259.6	16
	260 Hunt Club Road Ottawa ON K1V 1H7	298.2	25

FRST - Federal Identification Registry for Storage Tank Systems (FIRSTS)

A search of the FRST database, dated Oct 31, 2021 has found that there are 2 FRST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	4000 Riverside Dr Ottawa ON	0.0	1
	220 Hunt Club ottawa ON	294.6	24

FST - Fuel Storage Tank

A search of the FST database, dated Oct 2023 has found that there are 4 FST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	0.0	1
SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	0.0	1
SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	0.0	1

Site	Address	Distance (m)	Map Key
SUNCOR ENERGY PRODUCTS PARTNERSHIP	4000 RIVERSIDE DR OTTAWA ON	0.0	1

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 1 FSTH site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
1213475 ONTARIO INC O/A GAS STN	4000 RIVERSIDE DR OTTAWA ON K1V 2E8	0.0	1

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 55 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	81.0	4
Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	81.0	4
Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	81.0	4
Rideau River Veterinary Professional Corporation	3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	81.0	4
Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	252.4	15
Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	252.4	15

Site	Address	Distance (m)	Map Key
Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	252.4	15
Vital Medical Group Inc.	4-224 Hunt Club Road Ottawa ON K1V 1C1	252.4	15
OTTAWA HUNT AND GOLF CLUB LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
The Ottawa Hunt & Golf Club	1 Hunt Golf Club Road Ottawa ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22

Site	Address	Distance (m)	Map Key
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
OTTAWA HUNT AND GOLF CLUB, LIMITED	ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	285.1	22
Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	294.6	24
Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	294.6	24
Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	294.6	24
Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON K1V 1C1	294.6	24
Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON	294.6	24
Ottawa Aviation Services	220 Hunt Club Road Ottawa ON	294.6	24

Site	Address	Distance (m)	Map Key
Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V 1C1	294.6	24
Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V 1C1	294.6	24
Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V6P7	294.6	24
Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V 1C1	294.6	24
Ottawa Aviation Services	220 Hunt Club Road Ottawa ON K1V6P7	294.6	24
Canadian Airmotive Ltd.	220 Hunt Club Road Ottawa ON K1V 1C1	294.6	24
Canadian Airmotive Avionics Ltd.	220 Hunt Club Road Unit 2 Ottawa ON K1V 1C1	294.6	24
Canadian Airmotive Avionics Ltd.	220 Hunt Club Road Ottawa ON K1V 1C1	294.6	24
Ottawa Aviation Services	220 Hunt Club Rd. Ottawa ON K1V 1C1	294.6	24
INNOTECH AVIATION LIMITED 21-496	OTTAWA INTERNATIONAL AIRPORT BUILDING T104, 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
INNOTECH AVIATION LIMITED	OTTAWA INTERNATIONAL AIRPORT 260 HUNT CLUB ROAD, BUILDING T104 OTTAWA ON K1G 3N3	298.2	25

Site	Address	Distance (m)	Map Key
SANDER GEOPHYSICS LTD.	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
Sander Geophysics Limited	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25

Site	Address	Distance (m)	Map Key
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25
SANDER GEOPHYSICS LIMITED	260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	298.2	25

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated 31 Oct, 2023 has found that there are 1 INC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	4120B RIVERSIDE DRIVE, OTTAWA ON	268.8	17

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 1 PINC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
PIPELINE HIT 1 1/4"	4000 RIVERSIDE DR.,,OTTAWA,ON,K1V 2E8,CA ON	0.0	1

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Feb 2024 has found that there are 1 RSC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3930 Riverside Drive Ottawa ON	171.2	13

Site	Address	Distance (m)	Map Key

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Canadian Airmotive Ltd.	220 Hunt Club Rd Unit 3 Ottawa ON K1V 1C1	294.6	24

SPL - Ontario Spills

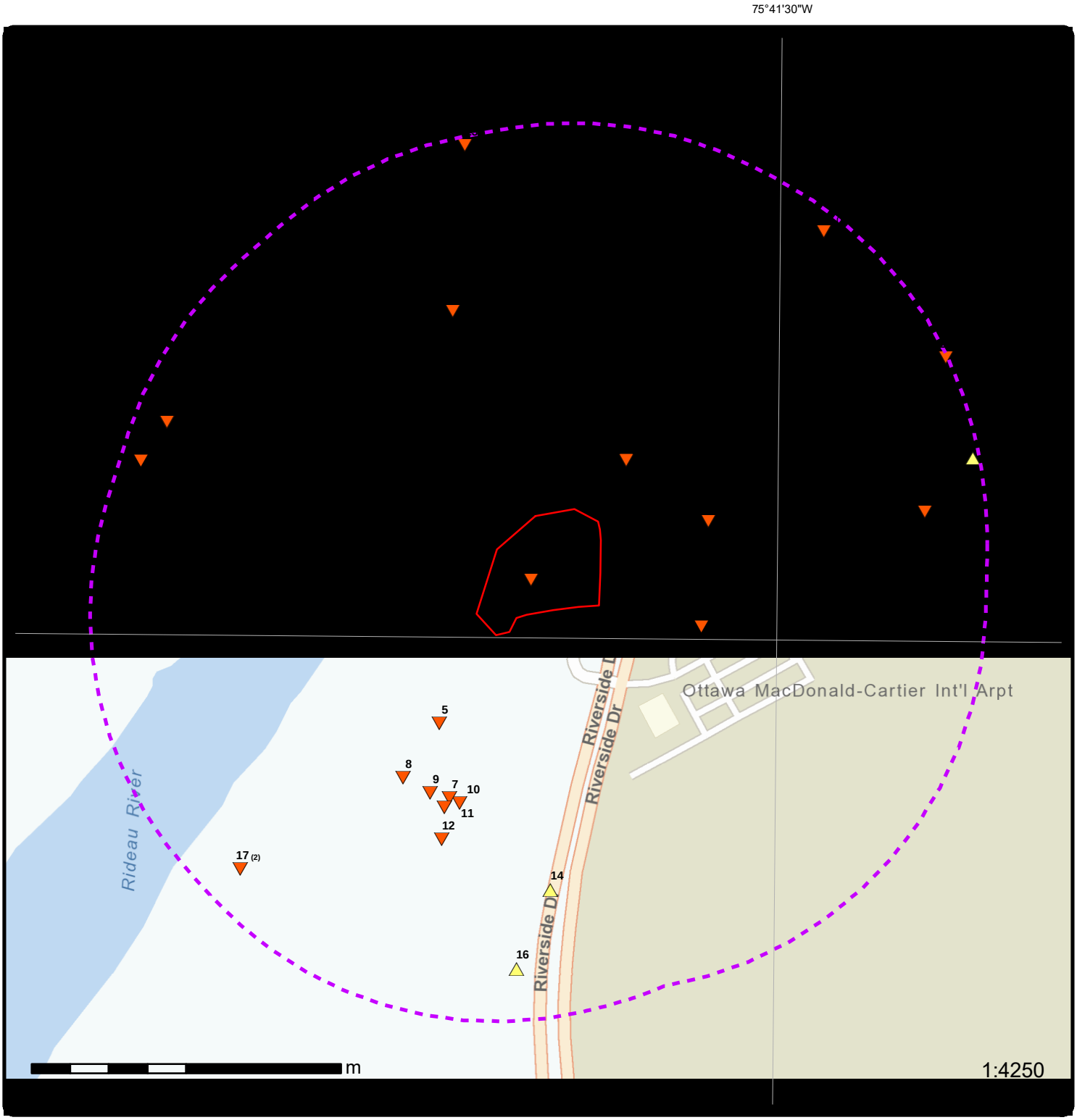
A search of the SPL database, dated 1988-Jan 2023; Mar 2023-Dec 2023 has found that there are 5 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
City of Ottawa	Huntclub rd and Riverside Dr Ottawa ON	52.4	2
Residentail home of s21<UNOFFICIAL>	4120 F Riverside Drive, Ottawa Ottawa ON	202.1	14
Parson Refrigeration (1985) Ltd.	224 Hunt Club Road Ottawa ON	252.4	15
	4120B Riverside Dr Ottawa ON K1V 1C4	268.8	17
Enbridge Gas Distribution Inc.	220 Hunt Club Rd. Ottawa ON	294.6	24

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 10 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	3990 Riverside Drive Ottawa ON ***Well ID:*** 7333869	81.6	5
	3990 Riverside Drive Ottawa ON ***Well ID:*** 7333868	131.7	7
	3990 RIVERSIDE RD RIVERSIDE AND HUNT CLUB DRIVE Ottawa ON ***Well ID:*** 7341988	132.0	8
	3990 Riverside Drive Ottawa ON ***Well ID:*** 7333870	132.8	9
	3990 Riverside Drive Ottawa ON ***Well ID:*** 7333867	133.6	10
	3990 Riverside Drive Ottawa ON ***Well ID:*** 7333871	139.5	11
	3990 Riverside Drive offana ON ***Well ID:*** 7333815	164.1	12
	lot 26 con A ON ***Well ID:*** 1504330	274.2	18
	lot 26 con A ON ***Well ID:*** 1504118	283.7	20
	ON ***Well ID:*** 7311682	292.8	23



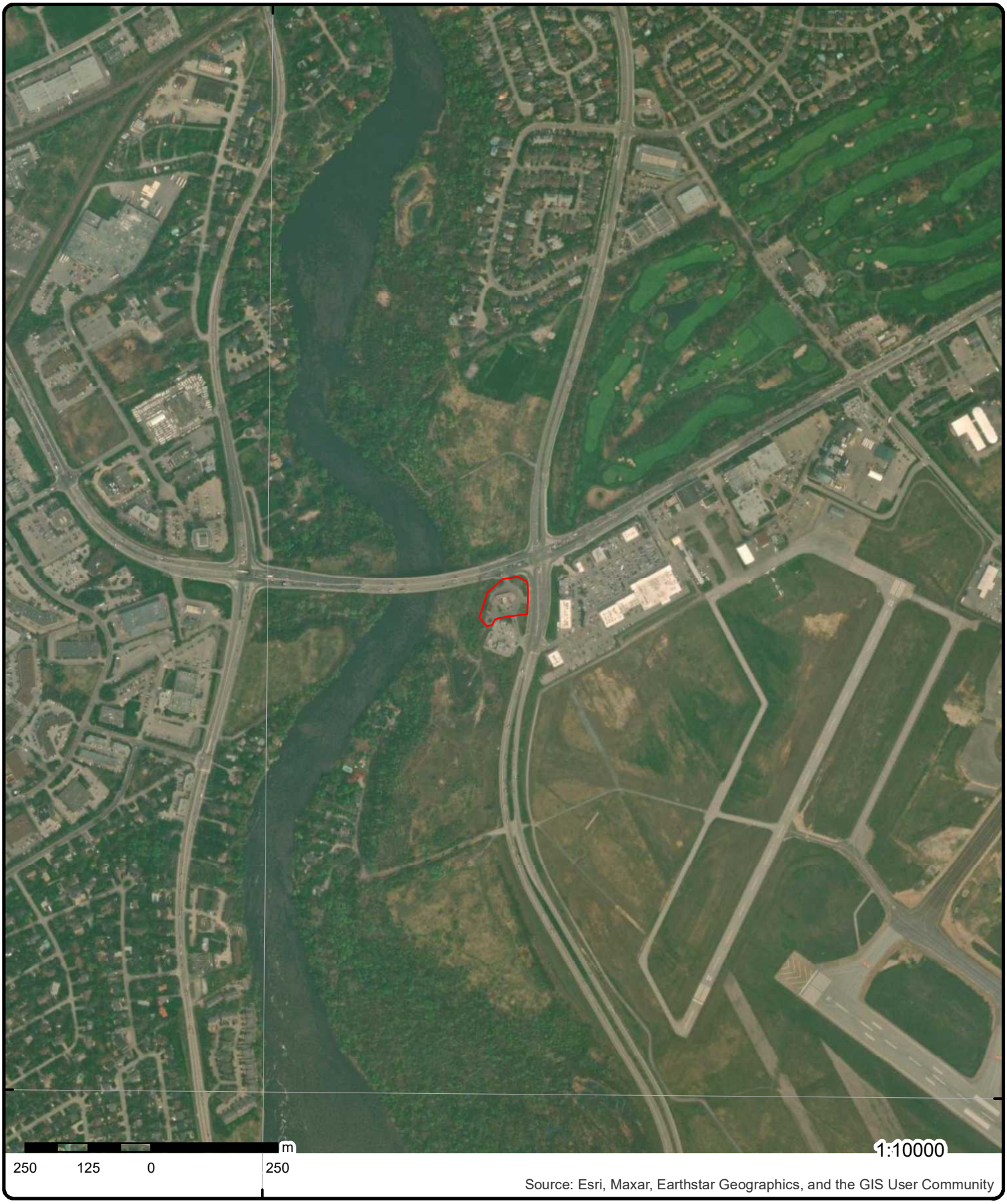
Map: 0.3 Kilometer Radius

Order Number: 24032000375

Address: Riverside Drive, Ottawa, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

75°42'W

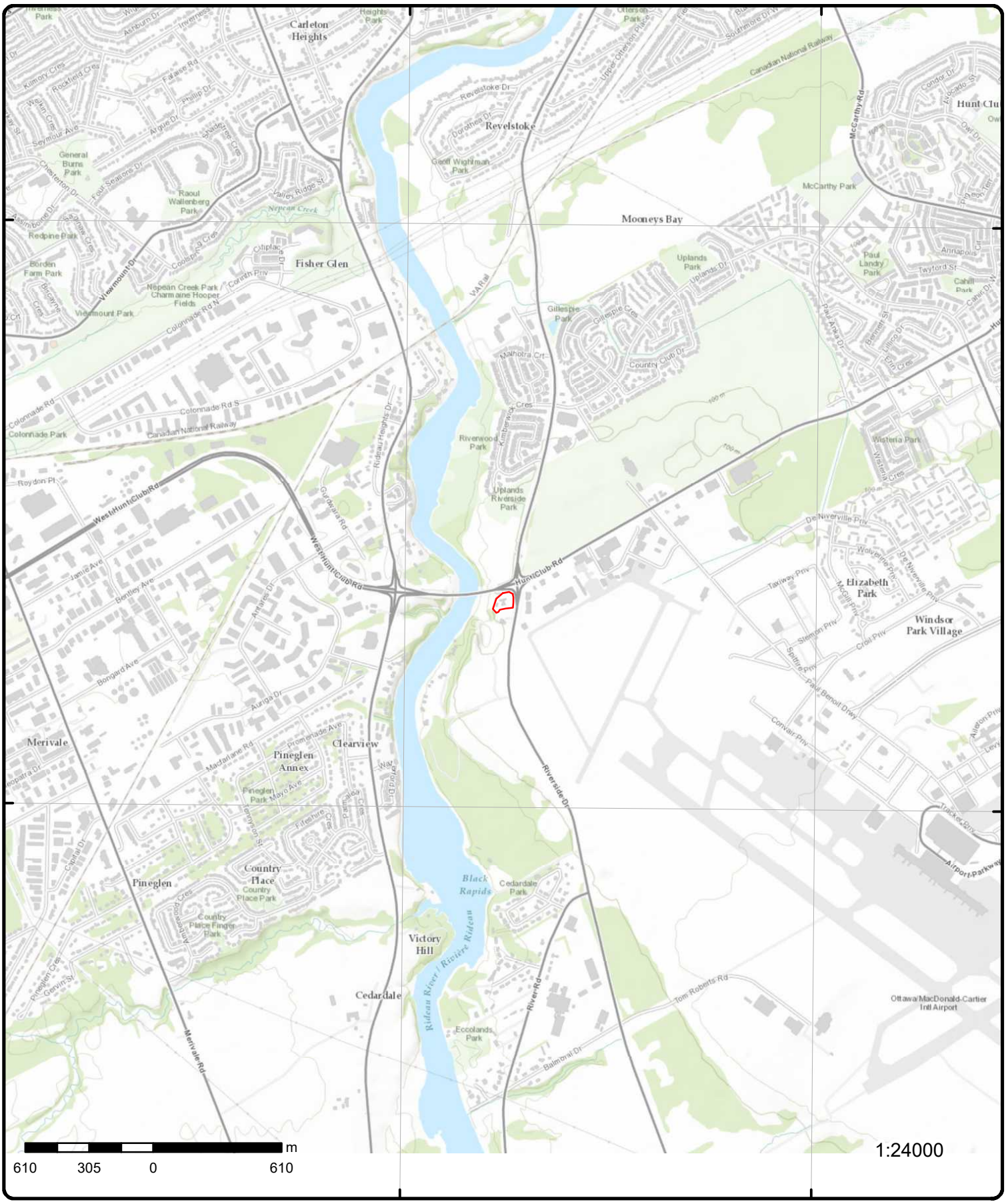


Aerial **Year: 2023**

Order Number: 24032000375

Address: Riverside Drive, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: Riverside Drive, ON

Source: ESRI World Topographic Map

Order Number: 24032000375

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 9	WSW/0.0	101.5 / -0.04	1213475 ONTARIO INC O/A GAS STN 4000 RIVERSIDE DR OTTAWA ON K1V 2E8	FSTH

License Issue Date: 3/10/2008 3:48:00 PM
Tank Status: Licensed
Tank Status As Of: December 2008
Operation Type: Retail Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--
Status: Active
Year of Installation: 2003
Corrosion Protection:
Capacity: 50000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

Status: Active
Year of Installation: 2003
Corrosion Protection:
Capacity: 50000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

Status: Active
Year of Installation: 2003
Corrosion Protection:
Capacity: 50000
Tank Fuel Type: Liquid Fuel Double Wall UST - Gasoline

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	2 of 9	WSW/0.0	101.5 / -0.04	4059930 Canada Inc. 4000 Riverside Drive Ottawa ON K1V 2E8	CA

Certificate #: 4964-5KQMLE
Application Year: 2003
Issue Date: 6/6/2003
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	3 of 9	WSW/0.0	101.5 / -0.04	SUNCOR ENERGY PRODUCTS PARTNERSHIP 4000 RIVERSIDE DR OTTAWA ON	FST

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

Inventory No:	27323046	**Tank Material:**	Fiberglass (FRP)
Inventory Status:	active	**Corrosion Protect:**	Fiberglass
Installation Year:	2003	**Overfill Protection:**	
Capacity:	50000	**Inventory Context:**	FS Liquid Fuel
Capacity Unit:	L	**Inventory Item:**	FS Liquid Fuel Tank
Tank Type:	Double Wall UST		
Manufacturer:			
Model:			
Description:	2009VBS		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	4 of 9	WSW/0.0	101.5 / -0.04	SUNCOR ENERGY PRODUCTS PARTNERSHIP 4000 RIVERSIDE DR OTTAWA ON	FST

Inventory No:	27323048	**Tank Material:**	Fiberglass (FRP)
Inventory Status:	active	**Corrosion Protect:**	Fiberglass
Installation Year:	2003	**Overfill Protection:**	
Capacity:	50000	**Inventory Context:**	FS Liquid Fuel
Capacity Unit:	L	**Inventory Item:**	FS Liquid Fuel Tank
Tank Type:	Double Wall UST		
Manufacturer:			
Model:			
Description:	2009VBS		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	5 of 9	WSW/0.0	101.5 / -0.04	SUNCOR ENERGY PRODUCTS PARTNERSHIP 4000 RIVERSIDE DR OTTAWA ON	FST

Inventory No:	27323047	**Tank Material:**	Fiberglass (FRP)
Inventory Status:	active	**Corrosion Protect:**	Fiberglass
Installation Year:	2003	**Overfill Protection:**	
Capacity:	50000	**Inventory Context:**	FS Liquid Fuel
Capacity Unit:	L	**Inventory Item:**	FS Liquid Fuel Tank
Tank Type:	Double Wall UST		
Manufacturer:			
Model:			
Description:	2009VBS		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	6 of 9	WSW/0.0	101.5 / -0.04	PIPELINE HIT 1 1/4" 4000 RIVERSIDE DR.,,OTTAWA,ON,K1V 2E8,CA ON	PINC

Incident Id:		**Pipe Material:**	
Incident No:	1264978	**Fuel Category:**	
Incident Reported Dt:	10/18/2013	**Health Impact:**	
Type:	FS-Pipeline Incident	**Environment Impact:**	
Status Code:		**Property Damage:**	
Tank Status:	Pipeline Damage Reason Est	**Service Interrupt:**	
Task No:		**Enforce Policy:**	
Spills Action Centre:		**Public Relation:**	
Fuel Type:		**Pipeline System:**	
Fuel Occurrence Tp:		**PSIG:**	
Date of Occurrence:		**Attribute Category:**	
Occurrence Start Dt:		**Regulator Location:**	
Depth:		**Method Details:**	
Customer Acct Name:	PIPELINE HIT 1 1/4"		
Incident Address:	4000 RIVERSIDE DR.,,OTTAWA,ON,K1V 2E8,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			

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

Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

---

1 | ***7 of 9*** | ***WSW/0.0*** | ***101.5 / -0.04*** | ***4059930 Canada Inc.***
4000 Riverside Drive
Ottawa ON | ***ECA***

Approval No:	4964-5KQMLE	***MOE District:***	Ottawa
Approval Date:	2003-06-06	***City:***	
Status:	Approved	***Longitude:***	-75.92633
Record Type:	ECA	***Latitude:***	45.33832
Link Source:	IDS	***Geometry X:***	
SWP Area Name:	Mississippi Valley	***Geometry Y:***	

Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: 4059930 Canada Inc.
Address: 4000 Riverside Drive
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0740-5GPLA3-14.pdf
PDF Site Location:

---

1 | ***8 of 9*** | ***WSW/0.0*** | ***101.5 / -0.04*** | ***4000 Riverside Dr***
Ottawa ON | ***FRST***

Tank System ID:	7465	***Tank Sys Prov F:***	Ontario
EC No:	7465	***Tank Sys PO BOX:***	
Internal No:	35197	***Tank Sys Postal Cd:***	
Is Perm Withdrwl:	FALSE	***Sys Record City:***	
Removed Date:		***Sys Record Prov E:***	
Withdrawn Date:		***Sys Record Prov F:***	
Temp Withdrawn Dt:		***Sys Record PO BOX:***	
Tank Use E:		***Sys Rec Postal Cd:***	
Tank Use F:		***System Rec Same as:***	TRUE
Year of Manufact:		***Location Latitude:***	
Emerg Plan Same as:	TRUE	***Location Longitude:***	
Operator Contact:		***Creation Date:***	06-May-2010 00:00:00
Owner Contact:		***Creation By:***	Section 19
Tank System City:	Ottawa	***Modified Date:***	06-May-2010 00:00:00
Tank Sys Prov E:	Ontario	***Modified By:***	

Tank Use:
Tank Manufacturer:
Tank System Address: 4000 Riverside Dr
Sys Record Address:
System Descr: Retail facility
Certification System Installer:
Certification System Remover:
Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E:
Land Owner F:

Service Months

Service Months E: January
Service Months F: Janvier

Service Months E: December
Service Months F: Décembre

Service Months E: February
Service Months F: Février

Service Months E: April
Service Months F: Avril

Service Months E: June
Service Months F: Juin

Service Months E: March
Service Months F: Mars

Service Months E: November
Service Months F: Novembre

Service Months E: July
Service Months F: Juillet

Service Months E: September
Service Months F: Septembre

Service Months E: August
Service Months F: Août

Service Months E: October
Service Months F: Octobre

Service Months E: May
Service Months F: Mai

Tanks Details

Tank ID:	13278	***Dt Wthdrwn Piping:***	
Tank Capacity:	50000	***Date Remvd Piping:***	
Tank Type E:	Underground	***Tk Type of Pump E:***	Centrifugal
Tank Type F:	Souterrain	***Tk Type of Pump F:***	Centrifuge
Date of Install:	2003	***Piping Type E:***	Underground
Date Withdrawn Tk:		***Piping Type F:***	Souterrain
Date Removed Tank:		***Piping Diam Unit:***	inch

Tank Desc:
Tank Stdd No E: Unknown-underground tank
Tank Std No F: Inconnu - réservoir souterrain
Tank Std No Other:
Tank Constr Material E: Fiberglass reinforced plastic (including thermoset tank)
Tank Constr Material F: Plastique renforcé de fibres de verre (incluant réservoir thermoset)
Tank Constr Material Other:
Internal No:
Tank Content E: Gasoline
Tank Content F: Essence
Tank Content Other:
Piping Diameter: 2
Spill Containment E: Spill box at fill point (underground tank)
Spill Containment F: Boîte de confinement de déversement au site de remplissage (réservoir souterrain)
Spill Containment Other:
Product Transfer Area: Containment sumps
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Fibreglass reinforced plastic ducted flexible (e.g. Enviroflex/Bufflex, Geoflex)
Component F: FR-Fibreglass reinforced plastic ducted flexible (e.g. Enviroflex/Bufflex, Geoflex)
Other:

Piping Secondary Containment

Tank ID: 13278
Component E: Double Walled
Component F: Double paroi
Other:

Tank Corrosion Protection

Component E: Non-corroding material
Component F: Matériel non-corrosif
Other:

Piping Corrosion Protection

Component E: Non-corroding material
Component F: Matériel non-corrosif
Other:

Tank Leak Detection

Component E: Tank precision leak detection test
Component F: Essai d'étanchéité de précision des réservoirs
Other:

Tank Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Piping Leak Detection

Component E: Continuous in leak detection
Component F: Essai d'étanchéité interne en continu
Other:

Piping Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Sump Leak Detection

Component E: Continuous sump leak monitoring (petroleum product probe)
Component F: Surveillance en continue (capteur de produits pétroliers)
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

Tanks Details

Tank ID: 13276
Tank Capacity: 50000
Tank Type E: Underground
Tank Type F: Souterrain
Date of Install: 2003
Date Withdrawn Tk:
Date Removed Tank:
Tank Desc:
Tank Stdd No E: Unknown-underground tank
Tank Std No F: Inconnu - réservoir souterrain
Tank Std No Other:
Tank Constr Material E: Fiberglass reinforced plastic (including thermoset tank)
Tank Constr Material F: Plastique renforcé de fibres de verre (incluant réservoir thermoset)
Tank Constr Material Other:
Internal No:
Tank Content E: Gasoline
Tank Content F: Essence
Tank Content Other:
Piping Diameter: 2
Spill Containment E: Spill box at fill point (underground tank)
Spill Containment F: Boîte de confinement de déversement au site de remplissage (réservoir souterrain)
Spill Containment Other:
Product Transfer Area: Containment sumps
Date Wthdrwn Other Component:
Date Removed Other Component:

Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: Centrifugal
Tk Type of Pump F: Centrifuge
Piping Type E: Underground
Piping Type F: Souterrain
Piping Diam Unit: inch

Piping Construction Materials

Component E: Fibreglass reinforced plastic ducted flexible (e.g. Enviroflex/Bufflex, Geoflex)
Component F: FR-Fibreglass reinforced plastic ducted flexible (e.g. Enviroflex/Bufflex, Geoflex)
Other:

Piping Secondary Containment

Tank ID: 13276
Component E: Double Walled
Component F: Double paroi
Other:

Tank Corrosion Protection

Component E: Non-corroding material
Component F: Matériel non-corrosif
Other:

Piping Corrosion Protection

Component E: Non-corroding material
Component F: Matériel non-corrosif
Other:

Tank Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Tank Leak Detection

Component E: Continuous leak detection
Component F: Essai d'étanchéité interne en continu
Other:

Piping Leak Detection

Component E: Continuous in leak detection
Component F: Essai d'étanchéité interne en continu
Other:

Piping Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Sump Leak Detection

Component E: Continuous sump leak monitoring (petroleum product probe)
Component F: Surveillance en continue (capteur de produits pétroliers)
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

Tanks Details

Tank ID:	13277	***Dt Wthdrwn Piping:***	
Tank Capacity:	50000	***Date Remvd Piping:***	
Tank Type E:	Underground	***Tk Type of Pump E:***	Centrifugal
Tank Type F:	Souterrain	***Tk Type of Pump F:***	Centrifuge
Date of Install:	2003	***Piping Type E:***	Underground
Date Withdrawn Tk:		***Piping Type F:***	Souterrain
Date Removed Tank:		***Piping Diam Unit:***	inch
Tank Desc:			

Tank Stdd No E:	Unknown-underground tank
Tank Std No F:	Inconnu - réservoir souterrain
Tank Std No Other:	
Tank Constr Material E:	Fiberglass reinforced plastic (including thermoset tank)
Tank Constr Material F:	Plastique renforcé de fibres de verre (incluant réservoir thermoset)
Tank Constr Material Other:	
Internal No:	
Tank Content E:	Gasoline
Tank Content F:	Essence
Tank Content Other:	
Piping Diameter:	2
Spill Containment E:	Spill box at fill point (underground tank)
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir souterrain)
Spill Containment Other:	
Product Transfer Area:	Containment sumps
Date Wthdrwn Other Component:	
Date Removed Other Component:	

Piping Construction Materials

Component E:	Fibreglass reinforced plastic ducted flexible (e.g. Enviroflex/Bufflex, Geoflex)
Component F:	FR-Fibreglass reinforced plastic ducted flexible (e.g. Enviroflex/Bufflex, Geoflex)
Other:	

Piping Secondary Containment

Tank ID:	13277
Component E:	Double Walled
Component F:	Double paroi
Other:	

Tank Corrosion Protection

Component E:	Non-corroding material
Component F:	Matériel non-corrosif
Other:	

Piping Corrosion Protection

Component E:	Non-corroding material
Component F:	Matériel non-corrosif
Other:	

Tank Leak Detection

Component E:	Automatic tank gauging
Component F:	Jaugeage automatique
Other:	

Tank Leak Detection

Component E:	Tank precision leak detection test
Component F:	Essai d'étanchéité de précision des réservoirs
Other:	

Piping Leak Detection

Component E: Continuous in leak detection
Component F: Essai d'étanchéité interne en continu
Other:

Piping Leak Detection

Component E: Automatic tank gauging
Component F: Jaugeage automatique
Other:

Sump Leak Detection

Component E: Continuous sump leak monitoring (petroleum product probe)
Component F: Surveillance en continue (capteur de produits pétroliers)
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Overfill alarm and overfill automatic shutoff
Component F: Alarme anti-débordement et dispositif d'arrêt automatique anti-débordement
Other:

---

1 | ***9 of 9*** | ***WSW/0.0*** | ***101.5 / -0.04*** | ***SUNCOR ENERGY PRODUCTS PARTNERSHIP***
4000 RIVERSIDE DR
OTTAWA ON | ***FST***

Inventory No: 27112899
Inventory Status: Active
Installation Year:
Capacity: 150000
Capacity Unit: L
Tank Type:
Manufacturer:
Model:
Description:
Tank Material:
Corrosion Protect:
Overfill Protection:
Inventory Context: Liquid Fuels
Inventory Item: FS Gasoline Station - Self Serve

---

2 | ***1 of 3*** | ***NE/52.4*** | ***97.7 / -3.80*** | ***R.M. OF OTTAWA-CARLETON***
RIVERSIDE DR./HUNT CLUB RD.
OTTAWA CITY ON | ***CA***

Certificate #: 7-0690-97-
Application Year: 97
Issue Date: 7/23/1997
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	2 of 3	NE/52.4	97.7 / -3.80	City of Ottawa Huntclub rd and Riverside Dr Ottawa ON	SPL

Ref No:	2714-7FSME9	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:		**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	6/20/2008	**Health/Env Conseq:**	
Dt Document Closed:		**Agency Involved:**	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	Storm Water Treatment Pond<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Incident Cause:	Other Discharges		
Incident Event:			
Environment Impact:	Possible		
Nature of Impact:	Surface Water Pollution		
Contaminant Qty:	0 other - see incident description		
System Facility Address:			
Client Name:	City of Ottawa		
Client Type:			
Source Type:			
Contaminant Code:	15		
Contaminant Name:	OIL (PETROLEUM BASED, NOT SPECIFIED)		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:			
Incident Reason:	Weather		
Incident Summary:	City of Ottawa, Sheen containment pond cont		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Sewer		
SAC Action Class:	Notifications		
Call Report Locatn Geodata:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	3 of 3	NE/52.4	97.7 / -3.80	City of Ottawa Corner of Hunt Club and Riverside Ottawa ON K1J 8G8	ECA

Approval No:	0796-95XHXA	**MOE District:**	Ottawa
Approval Date:	2013-03-27	**City:**	
Status:	Approved	**Longitude:**	-75.6822
Record Type:	ECA	**Latitude:**	45.3413
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			
Business Name:		City of Ottawa			
Address:		Corner of Hunt Club and Riverside			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/2428-943JMK-14.pdf			
PDF Site Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 4	NE/52.4	97.7 / -3.80	R.M.O.C. TRANSPORTATION DEPARTMENT HUNT CLUB ROAD & RIVERSIDE RD. OTTAWA CITY ON	CA
Certificate #:		3-0991-86-			
Application Year:		86			
Issue Date:		7/16/1986			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	2 of 4	NE/52.4	97.7 / -3.80	R.M. OF OTTAWA-CARLETON HUNT CLUB RD. RIVERSIDE DR. OTTAWA CITY ON	CA
Certificate #:		3-1977-89-			
Application Year:		89			
Issue Date:		10/17/1989			
Approval Type:		Municipal sewage			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	3 of 4	NE/52.4	97.7 / -3.80	R.M.O.C. WORKS DEPARTMENT HUNT CLUB RD. & RIVERSIDE DR. OTTAWA CITY ON	CA
Certificate #:		7-0800-86-			
Application Year:		86			
Issue Date:		7/16/1986			
Approval Type:		Municipal water			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	4 of 4	NE/52.4	97.7 / -3.80	R.M. OF OTTAWA-CARLETON HUNT CLUB RD./RIVERSIDE DR. OTTAWA CITY ON	CA

Certificate #:	7-0765-95-
Application Year:	95
Issue Date:	8/3/1995
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	1 of 4	ESE/81.0	101.2 / -0.37	Rideau River Veterinary Professional Corporation 3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	GEN

Generator No:	ON4699810
SIC Code:	
SIC Description:	
Approval Years:	As of Dec 2018
PO Box No:	
Country:	Canada
Status:	Registered
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	312 P
Waste Class Name:	Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
4	2 of 4	ESE/81.0	101.2 / -0.37	Rideau River Veterinary Professional Corporation 3987 Riverside Dr, Unit 2 Ottawa ON K1V 1C1	GEN

Generator No:	ON4699810
SIC Code:	
SIC Description:	
Approval Years:	As of Jul 2020
PO Box No:	
Country:	Canada
Status:	Registered
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

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

Detail(s)

Waste Class: 312 P
Waste Class Name: Pathological wastes

---

4 | ***3 of 4*** | ***ESE/81.0*** | ***101.2 / -0.37*** | ***Rideau River Veterinary Professional Corporation*** ***3987 Riverside Dr, Unit 2*** ***Ottawa ON K1V 1C1*** | ***GEN***

Generator No: ON4699810
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 312 P
Waste Class Name: Pathological wastes

---

4 | ***4 of 4*** | ***ESE/81.0*** | ***101.2 / -0.37*** | ***Rideau River Veterinary Professional Corporation*** ***3987 Riverside Dr, Unit 2*** ***Ottawa ON K1V 1C1*** | ***GEN***

Generator No: ON4699810
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 312 P
Waste Class Name: PATHOLOGICAL WASTES

---

5 | ***1 of 1*** | ***SW/81.6*** | ***94.0 / -7.50*** | ***3990 Riverside Drive*** ***Ottawa ON*** | ***WWIS***

Well ID: 7333869
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z231266
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 04/15/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241

Tag:	A265365	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	03/26/2019
Year Completed:	2019
Depth (m):	6.82
Latitude:	45.3327257532651
Longitude:	-75.6949915613201
Path:	

Bore Hole Information

Bore Hole ID:	1007435416	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445542.00
Code OB Desc:		**North83:**	5020148.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/26/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007811101
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID: 1007811102
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.3100000023841858
Formation End Depth: 6.820000171661377
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1007812268
Layer: 2
Plug From: 3.4100000858306885
Plug To: 6.820000171661377
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1007812267
Layer: 1
Plug From: 0.0
Plug To: 3.4100000858306885
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1007813418
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: Direct Push

Pipe Information

Pipe ID: 1007809970
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007813813
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 3.7200000286102295
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007814305
Layer: 1
Slot: 10
Screen Top Depth: 3.7200000286102295
Screen End Depth: 6.820000171661377
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1007814667
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1007813141
Diameter: 21.59000015258789
Depth From: 0.0
Depth To: 6.820000171661377
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1007435416
Depth M: 6.82
Year Completed: 2019
Well Completed Dt: 03/26/2019
Audit No: Z231266
Path: 733\7333869.pdf
Tag No: A265365
Contractor: 7241
Latitude: 45.3327257532651
Longitude: -75.6949915613201
Y: 45.332725746328734
X: -75.6949913990325

---

6 | **1 of 1** | **ENE/84.6** | **101.0 / -0.55** | **3967 Riverside Drive Ottawa ON K1V 1C1** | **EHS**

Order No: 20101027007
Status: C
Report Type: Standard Report
Report Date: 11/4/2010
Date Received: 10/27/2010 9:58:13 AM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.692344
Y: 45.334156

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
7	1 of 1	SSW/131.7	98.8 / -2.70	3990 Riverside Drive Ottawa ON	WWIS

Well ID: 7333868
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z231267
Tag: A265364
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 04/15/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 03/25/2019
Year Completed: 2019
Depth (m): 7.75
Latitude: 45.3322043316399
Longitude: -75.6948830887561
Path:

Bore Hole Information

Bore Hole ID: 1007435413
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/25/2019
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 445550.00
North83: 5020090.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1007811099
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL

Mat2: 28
Mat2 Desc: SAND
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1007811100
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.3100000023841858
Formation End Depth: 7.75
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1007812266
Layer: 1
Plug From: 0.0
Plug To: 4.340000152587891
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1007812265
Layer: 2
Plug From: 4.340000152587891
Plug To: 7.75
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1007813417
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1007809969
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007813812

Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	4.650000095367432
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007814304
Layer:	1
Slot:	10
Screen Top Depth:	4.650000095367432
Screen End Depth:	7.75
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1007814666
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1007813140
Diameter:	21.59000015258789
Depth From:	0.0
Depth To:	7.75
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1007435413	**Tag No:**	A265364
Depth M:	7.75	**Contractor:**	7241
Year Completed:	2019	**Latitude:**	45.3322043316399
Well Completed Dt:	03/25/2019	**Longitude:**	-75.6948830887561
Audit No:	Z231267	**Y:**	45.33220432524091
Path:	733\7333868.pdf	**X:**	-75.69488292754193

8	*1 of 1*	*SW/132.0*	*95.3 / -6.21*	*3990 RIVERSIDE RD RIVERSIDE AND HUNT CLUB DRIVE*	*WWIS*

Ottawa ON

Well ID:	7341988	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	07/23/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z317446	**Contractor:**	7241
Tag:	A268936	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OTTAWA CITY		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	07/02/2019
Year Completed:	2019
Depth (m):	7.62
Latitude:	45.332345547525
Longitude:	-75.695344243941
Path:	

Bore Hole Information

Bore Hole ID:	1007658235	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445514.00
Code OB Desc:		**North83:**	5020106.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/02/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1008201743
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	

Mat2 Desc:
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0.3100000023841858
Formation End Depth: 5.789999961853027
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008201742
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 0.3100000023841858
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1008201744
Layer: 3
Color: 2
General Color: GREY
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 66
Mat3 Desc: DENSE
Formation Top Depth: 5.789999961853027
Formation End Depth: 7.619999885559082
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008202453
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008202454
Layer: 2
Plug From: 0.3100000023841858
Plug To: 4.269999980926514
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1008202455
Layer: 3
Plug From: 4.269999980926514
Plug To: 7.619999885559082
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1008203307
Method Construction Code: B
Method Construction: Other Method
Other Method Construction: DIRECT PUSH

Pipe Information

Pipe ID: 1008201127
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008203553
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 4.570000171661377
Casing Diameter: 2.5399999618530273
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1008203802
Layer: 1
Slot: 10
Screen Top Depth: 4.570000171661377
Screen End Depth: 7.619999885559082
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 2.8499999046325684

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008204102
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:

Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1008203020
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM:

Hole Diameter

Hole ID: 1008203019
Diameter: 5.710000038146973
Depth From: 0.0
Depth To: 7.619999885559082
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1007658235
Depth M: 7.62
Year Completed: 2019
Well Completed Dt: 07/02/2019
Audit No: Z317446
Path:
Tag No: A268936
Contractor: 7241
Latitude: 45.332345547525
Longitude: -75.695344243941
Y: 45.33234554104997
X: -75.6953440820199

---

9 | ***1 of 1*** | ***SW/132.8*** | ***96.6 / -4.94*** | ***3990 Riverside Drive Ottawa ON*** | ***WWIS***

Well ID: 7333870
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z231265
Tag: A265366
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 04/15/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 03/26/2019
Year Completed: 2019
Depth (m): 2.79
Latitude: 45.3322391698531

Longitude: -75.6950749428639
Path:

Bore Hole Information

Bore Hole ID:	1007435419	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	445535.00
Code OB Desc:		***North83:***	5020094.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	03/26/2019	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007811104
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858
Formation End Depth:	2.7899999618530273
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007811103
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007812270
Layer:	2
Plug From:	0.9300000071525574

Plug To: 2.7899999618530273
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1007812269
Layer: 1
Plug From: 0.0
Plug To: 0.9300000071525574
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1007813419
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1007809971
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007813814
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 1.2400000095367432
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007814306
Layer: 1
Slot: 10
Screen Top Depth: 1.2400000095367432
Screen End Depth: 2.7899999618530273
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1007814668
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:

Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1007813142
Diameter:	21.59000015258789
Depth From:	0.0
Depth To:	2.7899999618530273
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1007435419	**Tag No:**	A265366
Depth M:	2.79	**Contractor:**	7241
Year Completed:	2019	**Latitude:**	45.3322391698531
Well Completed Dt:	03/26/2019	**Longitude:**	-75.6950749428639
Audit No:	Z231265	**Y:**	45.33223916317461
Path:	733\7333870.pdf	**X:**	-75.69507478156898

---

10 | ***1 of 1*** | ***SSW/133.6*** | ***98.8 / -2.70*** | ***3990 Riverside Drive Ottawa ON*** | ***WWIS***

Well ID:	7333867	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	04/15/2019
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z231268	**Contractor:**	7241
Tag:	A265363	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	03/25/2019
Year Completed:	2019
Depth (m):	7.75
Latitude:	45.3321689497487
Longitude:	-75.6947805612209
Path:	

Bore Hole Information

Bore Hole ID:	1007435410	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	445558.00
Code OB Desc:		***North83:***	5020086.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	03/25/2019	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007811097
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007811098
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858
Formation End Depth:	7.75
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007812263
Layer:	1
Plug From:	0.0
Plug To:	4.340000152587891
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007812264
Layer:	2
Plug From:	4.340000152587891
Plug To:	7.75
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007813416
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007809968
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007813811
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	4.650000095367432
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007814303
Layer:	1
Slot:	10
Screen Top Depth:	4.650000095367432
Screen End Depth:	7.75
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1007814665
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m

Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1007813139
Diameter: 21.59000015258789
Depth From: 0.0
Depth To: 7.75
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1007435410
Depth M: 7.75
Year Completed: 2019
Well Completed Dt: 03/25/2019
Audit No: Z231268
Path: 733\7333867.pdf
Tag No: A265363
Contractor: 7241
Latitude: 45.3321689497487
Longitude: -75.6947805612209
Y: 45.332168942926806
X: -75.69478039926224

---

11 | **1 of 1** | **SSW/139.5** | **98.8 / -2.70** | **3990 Riverside Drive Ottawa ON** | **WWIS**

Well ID: 7333871
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z231264
Tag: A265367
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 04/15/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 03/26/2019
Year Completed: 2019
Depth (m): 4.65
Latitude: 45.3321410159075
Longitude: -75.6949333618428
Path:

Bore Hole Information

Bore Hole ID:	1007435422	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445546.00
Code OB Desc:		**North83:**	5020083.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/26/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007811105
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007811106
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858
Formation End Depth:	4.650000095367432
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007812271
Layer:	1
Plug From:	0.0
Plug To:	1.2400000095367432
Plug Depth UOM:	m

Annular Space/Abandonment

Sealing Record

Plug ID:	1007812272
Layer:	2
Plug From:	1.2400000095367432
Plug To:	4.650000095367432
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007813420
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007809972
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007813815
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	1.5499999523162842
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007814307
Layer:	1
Slot:	10
Screen Top Depth:	1.5499999523162842
Screen End Depth:	4.650000095367432
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1007814669
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	

Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1007813143
Diameter: 21.59000015258789
Depth From: 0.0
Depth To: 4.650000095367432
Hole Depth UOM: m
Hole Diameter UOM: cm

Links

Bore Hole ID: 1007435422
Depth M: 4.65
Year Completed: 2019
Well Completed Dt: 03/26/2019
Audit No: Z231264
Path: 733\7333871.pdf
Tag No: A265367
Contractor: 7241
Latitude: 45.3321410159075
Longitude: -75.6949333618428
Y: 45.33214100928244
X: -75.69493319994888

---

12 | ***1 of 1*** | ***SSW/164.1*** | ***98.7 / -2.84*** | ***3990 Riverside Drive offana ON*** | ***WWIS***

Well ID: 7333815
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z231269
Tag: A265362
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 04/15/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 03/25/2019
Year Completed: 2019
Depth (m): 7.75
Latitude: 45.3319158421587
Longitude: -75.6949561315379
Path:

Bore Hole Information

Bore Hole ID: 1007434607
DP2BR:
Elevation:
Elevrc:

Spatial Status:		***Zone:***	18
Code OB:		***East83:***	445544.00
Code OB Desc:		***North83:***	5020058.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	03/25/2019	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007806958
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.3100000023841858
Formation End Depth:	7.75
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007806957
Layer:	1
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0.0
Formation End Depth:	0.3100000023841858
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007807680
Layer:	2
Plug From:	4.340000152587891
Plug To:	7.75
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007807679

Layer:	1
Plug From:	0.0
Plug To:	4.340000152587891
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007808268
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007805952
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007808528
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	4.650000095367432
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007808787
Layer:	1
Slot:	10
Screen Top Depth:	4.650000095367432
Screen End Depth:	7.75
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1007808935
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	

Flowing:

Hole Diameter

Hole ID:	1007807980
Diameter:	21.59000015258789
Depth From:	0.0
Depth To:	7.75
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1007434607	***Tag No:***	A265362
Depth M:	7.75	***Contractor:***	7241
Year Completed:	2019	***Latitude:***	45.3319158421587
Well Completed Dt:	03/25/2019	***Longitude:***	-75.6949561315379
Audit No:	Z231269	***Y:***	45.33191583512427
Path:	733\7333815.pdf	***X:***	-75.69495597045619

---

13 ***1 of 2*** ***NNW/171.2*** ***79.6 / -21.96*** ***3930 Riverside Drive Ottawa ON*** ***RSC***

RSC No:		***X:***	
RA No:		***Y:***	
Status:		***Latitude:***	
Filing Date:	10/04/01	***Longitude:***	
Date Ack:		***UTM Coordinates:***	
Date Returned:	10/09/01	***Latitude Longitude:***	
Approval Date:		***Accuracy Estimate:***	
Cert Date:		***Measurement Method:***	
Cert Prop Use No:		***Mailing Address:***	
Curr Property Use:		***Telephone:***	
Intended Prop Use:		***Fax:***	
Restoration Type:		***Email:***	
Soil Type:		***Postal Code:***	
Criteria:		***Ministry District:***	Ottawa
Stratified (Y/N):		***MOE District:***	
Audit (Y/N):		***SWP Area Name:***	
Entire Leg Prop. (Y/N):		***Qual Person Name:***	
CPU Issu Sect 1686:		***Consultant:***	Golder Associates
Business Name:			
Address:			
Legal Desc:			
Site Pin:			
Asmt Roll No:			
Project Type:			
Approval Type:			
Applicable Standards:			
Pdf Link:			

---

13 ***2 of 2*** ***NNW/171.2*** ***79.6 / -21.96*** ***3930 Riverside Drive Ottawa ON*** ***EHS***

Order No:	20170119085	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	25-JAN-17	***Search Radius (km):***	.25
Date Received:	19-JAN-17	***X:***	-75.694699
Previous Site Name:		***Y:***	45.336306
Lot/Building Size:			
Additional Info Ordered:	City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
14	1 of 1	S/202.1	102.0 / 0.41	Residentail home of s21<UNOFFICIAL> 4120 F Riverside Drive, Ottawa Ottawa ON	SPL

Ref No: 0042-6MJM8U
Year:
Incident Dt: 3/3/2006
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/3/2006
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Residentail home of s21<UNOFFICIAL>
Site Address: 4120 F Riverside Drive, Ottawa
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause:
Incident Event:
Environment Impact: Possible
Nature of Impact:
Contaminant Qty: 400 L
System Facility Address:
Client Name: W.O. Stinson & Son Ltd.
Client Type:
Source Type: Other
Contaminant Code: 13
Contaminant Name: FURNACE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason:
Incident Summary: TSSA: 4120 F Riverside Dr, 400 L furnace oil to ground
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	1 of 5	E/252.4	101.2 / -0.37	Parson Refrigeration (1985) Ltd. 224 Hunt Club Road Ottawa ON	SPL

Ref No: 1557-ADBU5F
Year:
Incident Dt: 8/30/2016
Dt MOE Arvl on Scn:
MOE Reported Dt: 8/30/2016
Dt Document Closed:
Site No: NA

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

MOE Response:	
Site County/District:	
Site Geo Ref Meth:	
Site District Office:	
Nearest Watercourse:	
Site Name:	TNT Supermarket <UNOFFICIAL>
Site Address:	224 Hunt Club Road
Site Region:	
Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	
Incident Event:	Unknown / N/A
Environment Impact:	
Nature of Impact:	
Contaminant Qty:	1200 lb
System Facility Address:	
Client Name:	Parson Refrigeration (1985) Ltd.
Client Type:	
Source Type:	
Contaminant Code:	38
Contaminant Name:	REFRIGERANT GAS, N.O.S.
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Air
Incident Reason:	Unknown / N/A
Incident Summary:	TNT Supermarket: 1200lb R507 to atm
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Unknown / N/A
SAC Action Class:	Air Spills - Gases and Vapours
Call Report Locatn Geodata:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	2 of 5	E/252.4	101.2 / -0.37	**Vital Medical Group Inc.** **4-224 Hunt Club Road** **Ottawa ON K1V 1C1**	GEN

Generator No:	ON4297341
SIC Code:	
SIC Description:	
Approval Years:	As of Dec 2018
PO Box No:	
Country:	Canada
Status:	Registered
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

Detail(s)

Waste Class:	261 A
Waste Class Name:	Pharmaceuticals
Waste Class:	312 P
Waste Class Name:	Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	3 of 5	E/252.4	101.2 / -0.37	Vital Medical Group Inc. 4-224 Hunt Club Road Ottawa ON K1V 1C1	GEN

Generator No: ON4297341
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 261 A
Waste Class Name: Pharmaceuticals

Waste Class: 312 P
Waste Class Name: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	4 of 5	E/252.4	101.2 / -0.37	Vital Medical Group Inc. 4-224 Hunt Club Road Ottawa ON K1V 1C1	GEN

Generator No: ON4297341
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 261 A
Waste Class Name: Pharmaceuticals

Waste Class: 312 P
Waste Class Name: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
15	5 of 5	E/252.4	101.2 / -0.37	Vital Medical Group Inc. 4-224 Hunt Club Road Ottawa ON K1V 1C1	GEN

Generator No: ON4297341
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered

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

Detail(s)

Waste Class: 261 A
Waste Class Name: PHARMACEUTICALS

Waste Class: 312 P
Waste Class Name: PATHOLOGICAL WASTES

---

16 | **1 of 1** | **S/259.6** | **101.9 / 0.33** | **4070 Riverside Dr Ottawa ON** | **EHS**

Order No: 20080827031
Status: C
Report Type: Custom Report
Report Date: 9/8/2008
Date Received: 8/27/2008
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps And /or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.695938
Y: 45.330854

---

17 | **1 of 2** | **SW/268.8** | **72.9 / -28.67** | **4120B Riverside Dr Ottawa ON K1V 1C4** | **SPL**

Ref No: 6544-7UUKAQ
Year:
Incident Dt:
Dt MOE Arvl on Scn:
MOE Reported Dt: 8/12/2009
Dt Document Closed:
Site No:
MOE Response: No Field Response
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: P.I. S 21(1)(f) Residence<UNOFFICIAL>
Site Address:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: Tank (Above Ground) Leak
Incident Event:
Environment Impact: Not Anticipated
Nature of Impact: Soil Contamination
Contaminant Qty: 0 other - see incident description
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name: FURNACE OIL

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	
Incident Reason:	Other - Reason not otherwise defined
Incident Summary:	TSSA: AST tank leak - qty unknown
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	Land Spills
Call Report Locatn Geodata:	

---

17 | **2 of 2** | **SW/268.8** | **72.9 / -28.67** | **4120B RIVERSIDE DRIVE, OTTAWA ON** | **INC**

Incident No:	131148	**Any Health Impact:**	No
Incident ID:	2281984	**Any Enviro Impact:**	Unknown
Instance No:		**Service Intrp:**	Yes
Status Code:	Causal Analysis Complete	**Was Prop Damaged:**	No
Incident Status:		**Reside App. Type:**	
Incident Severity:		**Commer App. Type:**	
Task No:	2301505	**Indus App. Type:**	
Attribute Category:	FS-Perform L1 Near Miss Insp	**Institut App. Type:**	
Context:		**Depth Ground Cover:**	
Date of Occurrence:	2009/07/28 00:00:00	**Operation Pressure:**	
Time of Occurrence:	00:00:00	**Equipment Type:**	
Occr Insp Start Dt:	2009/07/30 00:00:00	**Equipment Model:**	
Incident Creat On:		**Serial No:**	
Instance Creat Dt:		**Cylinder Capacity:**	
Instance Install Dt:		**Cylinder Cap Units:**	
Approx Quant Rel:	20 Gallons	**Cylinder Mat Type:**	
Tank Capacity:		**Pump Flow Rate Cap:**	
Fuels Occur Type:	Leak	**Contam. Migrated:**	Unknown
Occur Type Rpt:		**Near Body of Water:**	Yes
Occur Category:		**Drainage System:**	Unknown
Fuel Type Involved:	Fuel Oil	**Sub Surface Contam:**	Yes, unknown.
Fuel Type Reported:		**Tank Material Type:**	
Enforcement Policy:	NULL	**Tank Storage Type:**	
Prc Escalation Req:	NULL	**Tank Location Type:**	

Item:	
Item Description:	
Device Installed Location:	
Venting Type:	
Vent Conn Mater:	
Vent Chimney Mater:	
Pipeline Type:	
Pipeline Involved:	
Pipe Material:	
Regulator Location:	
Regulator Type:	
Liquid Prop Make:	
Liquid Prop Model:	
Liquid Prop Serial No:	
Liquid Prop Notes:	
Inventory Address:	4120B RIVERSIDE DRIVE, OTTAWA - LEAK [NEAR-MISS]
Invent Postal Code:	
Notes:	
Contact Natural Env:	Yes
Aff Prop Use Water:	Yes
Occurence Narrative:	Oil tank developped a leak underneath - exact location undetermined.
Operation Type Involved:	Private Dwelling

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
18	1 of 1	WNW/274.2	78.4 / -23.14	lot 26 con A ON	WWIS

Well ID:	1504330	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	12/03/1963
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1802
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504330.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/12/1963
Year Completed:	1963
Depth (m):	31.3944
Latitude:	45.3348154846131
Longitude:	-75.6977138287532
Path:	150\1504330.pdf

Bore Hole Information

Bore Hole ID:	10026373	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445330.70
Code OB Desc:		**North83:**	5020382.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	11/12/1963	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Loc Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930999167
Layer:	4
Color:	
General Color:	
Mat1:	09

Most Common Material: MEDIUM SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 95.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930999166
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 95.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930999164
Layer: 1
Color: 5
General Color: YELLOW
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930999165
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 30.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504330
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10574943
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930045474
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 103.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504330
Pump Set At:
Static Level: 45.0
Final Level After Pumping: 80.0
Recommended Pump Depth: 80.0
Pumping Rate: 17.0
Flowing Rate:
Recommended Pump Rate: 17.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933457480
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 103.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10026373
Depth M: 31.3944
Year Completed: 1963
Well Completed Dt: 11/12/1963
Audit No:
Path: 150\1504330.pdf
Tag No:
Contractor: 1802
Latitude: 45.3348154846131
Longitude: -75.6977138287532
Y: 45.334815477930384
X: -75.69771366696409

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
19	1 of 1	WNW/274.3	78.4 / -23.14	ON	BORE

Borehole ID:	612372	**Inclin FLG:**	No
OGF ID:	215513681	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1963	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.334816000000004
Total Depth m:	31.4	**Longitude DD:**	-75.697714
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	445331
Drill Method:		**Northing:**	5020382
Orig Ground Elev m:	80.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	81.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218391037	**Mat Consistency:**	Firm
Top Depth:	29	**Material Moisture:**	
Bottom Depth:	31.4	**Material Texture:**	Coarse
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:	Gravel	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND,GRAVEL. 00103,SILT,SAND. BROWN,FIRM. CLAY,SILT,SAND. GREY,SOFT. SAND,GRAVEL-COARSE. G **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218391036	**Mat Consistency:**	
Top Depth:	9.1	**Material Moisture:**	
Bottom Depth:	29	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218391034	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.6	**Material Texture:**	
Material Color:	Yellow	**Non Geo Mat Type:**	
Material 1:	Soil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SOIL. YELLOW.		

Geology Stratum ID:	218391035	**Mat Consistency:**	
Top Depth:	4.6	**Material Moisture:**	
Bottom Depth:	9.1	**Material Texture:**	

Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 04880 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
20	1 of 1	W/283.7	79.6 / -21.98	lot 26 con A ON	WWIS

Well ID:	1504118	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	03/30/1950
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4216
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	A
Well Depth:		**Concession Name:**	RF
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1504118.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/01/1950
Year Completed:	1950
Depth (m):	32.9184
Latitude:	45.3345439033122
Longitude:	-75.697965741452
Path:	150\1504118.pdf

Bore Hole Information

Bore Hole ID:	10026161	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	445310.70
Code OB Desc:		***North83:***	5020352.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	03/01/1950	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9

Loc Method Desc: Original Pre1985 UTM Rel Code 9: unknown UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930998446
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 108.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961504118
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574731
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930045049
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 108.0
Casing Diameter: 5.0
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991504118
Pump Set At:
Static Level: 26.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933457199
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 108.0
Water Found Depth UOM: ft

Links

Bore Hole ID: 10026161
Depth M: 32.9184
Year Completed: 1950
Well Completed Dt: 03/01/1950
Audit No:
Path: 150\1504118.pdf
Tag No:
Contractor: 4216
Latitude: 45.3345439033122
Longitude: -75.697965741452
Y: 45.334543895872365
X: -75.69796557966207

---

21 ***1 of 1*** ***W/283.8*** ***79.6 / -21.98*** ***ON*** ***BORE***

Borehole ID: 612370
OGF ID: 215513679
Status:
Type: Borehole
Use:
Completion Date: MAR-1950
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 32.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 83.8
Elev Reliabil Note:
DEM Ground Elev m: 82.4
Concession:
Location D:
Survey D:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.334545
Longitude DD: -75.697966
UTM Zone: 18
Easting: 445311
Northing: 5020352
Location Accuracy:
Accuracy: Not Applicable

Comments:

Borehole Geology Stratum

Geology Stratum ID:	218391026	***Mat Consistency:***	Dense
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	32.9	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Soil	***Geologic Formation:***	
Material 2:	Sand	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: SOIL,SAND. . DENSE. TILL,SILT,BOULDERS. 00000 030 00050 018 0000007300050077SILT **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: OTTAWA1.txt RecordID: 04878 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
22	1 of 15	NE/285.1	99.8 / -1.70	***OTTAWA HUNT AND GOLF CLUB LIMITED*** ***ONE HUNT CLUB ROAD*** ***OTTAWA ON K1V 1B9***	GEN

Generator No: ON0979100
SIC Code: 9651
SIC Description: GOLF COURSES
Approval Years: 99,00,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		269			
Waste Class Name:		NON-HALOGENATED PESTICIDES			
22	2 of 15	NE/285.1	99.8 / -1.70	OTTAWA HUNT AND GOLF CLUB, LIMITED ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	GEN
Generator No:		ON0979100			
SIC Code:		713910			
SIC Description:		Golf Courses & Country Clubs			
Approval Years:		02,03,04,05,06,07,08			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
Detail(s)					
Waste Class:		213			
Waste Class Name:		PETROLEUM DISTILLATES			
Waste Class:		269			
Waste Class Name:		NON-HALOGENATED PESTICIDES			
Waste Class:		145			
Waste Class Name:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		212			
Waste Class Name:		ALIPHATIC SOLVENTS			
Waste Class:		252			
Waste Class Name:		WASTE OILS & LUBRICANTS			
22	3 of 15	NE/285.1	99.8 / -1.70	The Ottawa Hunt & Golf Club 1 Hunt Golf Club Road Ottawa ON K1V 1B9	GEN
Generator No:		ON4691100			
SIC Code:		713910			
SIC Description:		Golf Courses and Country Clubs			
Approval Years:		04			
PO Box No:					
Country:					
Status:					
Co Admin:					
Choice of Contact:					
Phone No Admin:					
Contaminated Facility:					
MHSW Facility:					
22	4 of 15	NE/285.1	99.8 / -1.70	OTTAWA HUNT AND GOLF CLUB, LIMITED ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	GEN
Generator No:		ON0979100			
SIC Code:		713910			
SIC Description:		Golf Courses and Country Clubs			

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

Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

22	5 of 15	NE/285.1	99.8 / -1.70	OTTAWA HUNT AND GOLF CLUB, LIMITED ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	GEN

Generator No: ON0979100
SIC Code: 713910
SIC Description: Golf Courses and Country Clubs
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

22	6 of 15	NE/285.1	99.8 / -1.70	OTTAWA HUNT AND GOLF CLUB, LIMITED ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	GEN

Generator No: ON0979100
SIC Code: 713910
SIC Description: Golf Courses and Country Clubs
Approval Years: 2011

PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

22	*7 of 15*	*NE/285.1*	*99.8 / -1.70*	***OTTAWA HUNT AND GOLF CLUB, LIMITED*** ***ONE HUNT CLUB ROAD*** ***OTTAWA ON K1V 1B9***	***GEN***

Generator No: ON0979100
SIC Code: 713910
SIC Description: Golf Courses and Country Clubs
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

22	*8 of 15*	*NE/285.1*	*99.8 / -1.70*	***OTTAWA HUNT AND GOLF CLUB, LIMITED*** ***ONE HUNT CLUB ROAD*** ***OTTAWA ON***	***GEN***

Generator No: ON0979100
SIC Code: 713910
SIC Description: GOLF COURSES AND COUNTRY CLUBS
Approval Years: 2013
PO Box No:

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

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

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

22	9 of 15	NE/285.1	99.8 / -1.70	OTTAWA HUNT AND GOLF CLUB, LIMITED ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	GEN

Generator No: ON0979100
SIC Code: 713910
SIC Description: GOLF COURSES AND COUNTRY CLUBS
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

22	10 of 15	NE/285.1	99.8 / -1.70	OTTAWA HUNT AND GOLF CLUB, LIMITED ONE HUNT CLUB ROAD OTTAWA ON K1V 1B9	GEN

Generator No: ON0979100
SIC Code: 713910
SIC Description: GOLF COURSES AND COUNTRY CLUBS
Approval Years: 2015
PO Box No:
Country: Canada

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

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

---

22 | ***11 of 15*** | ***NE/285.1*** | ***99.8 / -1.70*** | ***OTTAWA HUNT AND GOLF CLUB, LIMITED***
ONE HUNT CLUB ROAD
OTTAWA ON K1V 1B9 | ***GEN***

Generator No: ON0979100
SIC Code: 713910
SIC Description: GOLF COURSES AND COUNTRY CLUBS
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin:
Choice of Contact: CO_OFFICIAL
Phone No Admin:
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 145
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

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

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

---

22 | ***12 of 15*** | ***NE/285.1*** | ***99.8 / -1.70*** | ***OTTAWA HUNT AND GOLF CLUB, LIMITED***
ONE HUNT CLUB ROAD
OTTAWA ON K1V 1B9 | ***GEN***

Generator No: ON0979100
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered

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

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

Detail(s)

Waste Class: 145 L
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Class: 213 I
Waste Class Name: Petroleum distillates

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

---

22 | ***13 of 15*** | ***NE/285.1*** | ***99.8 / -1.70*** | ***OTTAWA HUNT AND GOLF CLUB, LIMITED***
ONE HUNT CLUB ROAD
OTTAWA ON K1V 1B9 | ***GEN***

Generator No: ON0979100
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 145 L
Waste Class Name: Wastes from the use of pigments, coatings and paints

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

---

22 | ***14 of 15*** | ***NE/285.1*** | ***99.8 / -1.70*** | ***OTTAWA HUNT AND GOLF CLUB, LIMITED***
ONE HUNT CLUB ROAD
OTTAWA ON K1V 1B9 | ***GEN***

Generator No: ON0979100
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:

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

Detail(s)

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

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 212 L
Waste Class Name: Aliphatic solvents and residues

Waste Class: 145 L
Waste Class Name: Wastes from the use of pigments, coatings and paints

---

22 | ***15 of 15*** | ***NE/285.1*** | ***99.8 / -1.70*** | ***OTTAWA HUNT AND GOLF CLUB, LIMITED***
ONE HUNT CLUB ROAD
OTTAWA ON K1V 1B9 | ***GEN***

Generator No: ON0979100
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213 I
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 212 L
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 145 L
Waste Class Name: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

---

23 | ***1 of 1*** | ***NNW/292.8*** | ***85.9 / -15.67*** | ***ON*** | ***WWIS***

Well ID:	7311682	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	Yes
Use 2nd:		***Data Src:***	
Final Well Status:		***Date Received:***	05/25/2018
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	C40360	***Contractor:***	1844
Tag:	A215119	***Form Version:***	8
Constructn Method:		***Owner:***	

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

Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	12/21/2017
Year Completed:	2017
Depth (m):	
Latitude:	45.3367686357459
Longitude:	-75.6947857591839
Path:	

Bore Hole Information

Bore Hole ID:	1007060226	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	445562.00
Code OB Desc:		**North83:**	5020597.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	12/21/2017	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Links

Bore Hole ID:	1007060226	**Tag No:**	A215119
Depth M:		**Contractor:**	1844
Year Completed:	2017	**Latitude:**	45.3367686357459
Well Completed Dt:	12/21/2017	**Longitude:**	-75.6947857591839
Audit No:	C40360	**Y:**	45.33676862898373
Path:		**X:**	-75.69478559742231

24	*1 of 18*	*E/294.6*	*101.6 / 0.02*	***Canadian Airmotive Ltd.*** ***220 Hunt Club Rd Unit 3*** ***Ottawa ON K1V 1C1***	***SCT***

Established: 01-AUG-73
Plant Size (ft²):
Employment:

--Details--

Description:	Plumbing, Heating and Air-Conditioning Equipment and Supplies Wholesaler-Distributors
SIC/NAICS Code:	416120

Description: All Other Textile Product Mills
SIC/NAICS Code: 314990

Description: All Other Wholesaler-Distributors
SIC/NAICS Code: 418990

Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing
SIC/NAICS Code: 333416

Description: Heating Equipment and Commercial Refrigeration Equipment Manufacturing
SIC/NAICS Code: 333416

---

24 | **2 of 18** | **E/294.6** | **101.6 / 0.02** | **Canadian Airmotive Ltd.**
220 Hunt Club Road
Ottawa ON K1V 1C1 | **GEN**

Generator No: ON2555801
SIC Code: 488190
SIC Description: Other Support Activities for Air Transport
Approval Years: 03
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

---

24 | **3 of 18** | **E/294.6** | **101.6 / 0.02** | **Canadian Airmotive Avionics Ltd.**
220 Hunt Club Road Unit 2
Ottawa ON K1V 1C1 | **GEN**

Generator No: ON2555801
SIC Code: 488190
SIC Description: Other Support Activities for Air Transportation
Approval Years: 04
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

---

24 | **4 of 18** | **E/294.6** | **101.6 / 0.02** | **Canadian Airmotive Avionics Ltd.**
220 Hunt Club Road
Ottawa ON K1V 1C1 | **GEN**

Generator No: ON2555801
SIC Code: 488190
SIC Description: Other Support Activities for Air Transportation
Approval Years: 05,06
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

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

Detail(s)

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

---

24 | ***5 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Rd.
Ottawa ON K1V 1C1 | ***GEN***

Generator No: ON7819447
SIC Code: 481215
SIC Description: Non-Scheduled Specialty Flying Services
Approval Years: 07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

---

24 | ***6 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Rd.
Ottawa ON | ***GEN***

Generator No: ON7819447
SIC Code: 481215
SIC Description: Non-Scheduled Specialty Flying Services
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

---

24 | ***7 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Rd.
Ottawa ON | ***GEN***

Generator No: ON7819447
SIC Code: 481215
SIC Description: Non-Scheduled Specialty Flying Services
Approval Years: 2010
PO Box No:
Country:
Status:

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

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

Detail(s)

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

---

24 | ***8 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Rd.
Ottawa ON | ***GEN***

Generator No: ON7819447
SIC Code: 481215
SIC Description: Non-Scheduled Specialty Flying Services
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

---

24 | ***9 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Rd.
Ottawa ON K1V 1C1 | ***GEN***

Generator No: ON7819447
SIC Code: 481215
SIC Description: Non-Scheduled Specialty Flying Services
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

---

24 | ***10 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Rd.
Ottawa ON | ***GEN***

Generator No: ON7819447
SIC Code: 481215

SIC Description: NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

---

24 | **11 of 18** | **E/294.6** | **101.6 / 0.02** | **Ottawa Aviation Services**
220 Hunt Club Road
Ottawa ON | **GEN**

Generator No: ON4028708
SIC Code: 481215
SIC Description: NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

---

24 | **12 of 18** | **E/294.6** | **101.6 / 0.02** | **Enbridge Gas Distribution Inc.**
220 Hunt Club Rd.
Ottawa ON | **SPL**

Ref No: 7344-A6QK9G
Year:
Incident Dt: 2016/02/01
Dt MOE Arvl on Scn:
MOE Reported Dt: 2016/02/01
Dt Document Closed:
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Canadian Air Motive<UNOFFICIAL>
Site Address: 220 Hunt Club Rd.
Site Region:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

Site Municipality:	Ottawa
Site Lot:	
Site Conc:	
Site Geo Ref Accu:	
Site Map Datum:	
Northing:	
Easting:	
Incident Cause:	
Incident Event:	Leak/Break
Environment Impact:	
Nature of Impact:	
Contaminant Qty:	0 other - see incident description
System Facility Address:	
Client Name:	Enbridge Gas Distribution Inc.
Client Type:	
Source Type:	
Contaminant Code:	35
Contaminant Name:	NATURAL GAS (METHANE)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Air
Incident Reason:	Natural Phenomenon
Incident Summary:	Enbridge - 1" above-ground supply line severed by ice from adjacent roof
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Unknown / N/A
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Call Report Locatn Geodata:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	***13 of 18***	***E/294.6***	***101.6 / 0.02***	***Ottawa Aviation Services*** ***220 Hunt Club Road*** ***Ottawa ON K1V 1C1***	***GEN***

Generator No:	ON4028708
SIC Code:	481215
SIC Description:	NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years:	2016
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Scott Campbell
Choice of Contact:	CO_ADMIN
Phone No Admin:	613-737-9410 Ext.
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
24	***14 of 18***	***E/294.6***	***101.6 / 0.02***	***Ottawa Aviation Services*** ***220 Hunt Club Road*** ***Ottawa ON K1V 1C1***	***GEN***

Generator No: ON4028708
SIC Code: 481215
SIC Description: NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin: Scott Campbell
Choice of Contact: CO_ADMIN
Phone No Admin: 613-737-9410 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

---

24 | ***15 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Road
Ottawa ON K1V6P7 | ***GEN***

Generator No: ON4028708
SIC Code: 481215
SIC Description: NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Murat Subasioglu
Choice of Contact: CO_ADMIN
Phone No Admin: 6137379410 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

---

24 | ***16 of 18*** | ***E/294.6*** | ***101.6 / 0.02*** | ***Ottawa Aviation Services***
220 Hunt Club Road
Ottawa ON K1V 1C1 | ***GEN***

Generator No: ON4028708
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada

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

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

Detail(s)

Waste Class: 213 T
Waste Class Name: Petroleum distillates

Waste Class: 221 I
Waste Class Name: Light fuels

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

24	17 of 18	E/294.6	101.6 / 0.02	Ottawa Aviation Services 220 Hunt Club Road Ottawa ON K1V6P7	GEN

Generator No: ON4028708
SIC Code:
SIC Description:
Approval Years: As of Oct 2019
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221 I
Waste Class Name: Light fuels

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

Waste Class: 213 T
Waste Class Name: Petroleum distillates

24	18 of 18	E/294.6	101.6 / 0.02	220 Hunt Club ottawa ON	FRST

Tank System ID: 56138
EC No: 13595
Internal No: 100LL
Is Perm Withdrwl: TRUE
Removed Date: Apr 1 2021 12: 00AM
Withdrawn Date: Apr 1 2021 12: 00AM
Temp Withdrawn Dt:
Tank Use E:
Tank Use F:
Year of Manufact:
Emerg Plan Same as: TRUE
Operator Contact:
Owner Contact:
Tank System City: ottawa

Tank Sys Prov F: Ontario
Tank Sys PO BOX:
Tank Sys Postal Cd:
Sys Record City:
Sys Record Prov E:
Sys Record Prov F:
Sys Record PO BOX:
Sys Rec Postal Cd:
System Rec Same as: TRUE
Location Latitude:
Location Longitude:
Creation Date: 04-Aug-2010 00:00:00
Creation By: Section 19
Modified Date: 27-Apr-2021 00:00:00

Tank Sys Prov E: Ontario
Modified By:
Tank Use:
Tank Manufacturer:
Tank System Address: 220 Hunt Club
Sys Record Address:
System Descr:
Certification System Installer:
Certification System Remover:
Group Name:
Master Group Name:
Owner Email:
Operator Email:
Land Owner E: Undertaking-Airport
Land Owner F: Entreprise-Aéroport

Service Months

Service Months E: June
Service Months F: Juin

Service Months E: May
Service Months F: Mai

Service Months E: March
Service Months F: Mars

Service Months E: October
Service Months F: Octobre

Service Months E: April
Service Months F: Avril

Service Months E: August
Service Months F: Août

Service Months E: September
Service Months F: Septembre

Service Months E: February
Service Months F: Février

Service Months E: January
Service Months F: Janvier

Service Months E: December
Service Months F: Décembre

Service Months E: November
Service Months F: Novembre

Service Months E: July
Service Months F: Juillet

Tanks Details

Tank ID: 92895
Tank Capacity: 4500
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install:
Date Withdrawn Tk:
Date Removed Tank:
Tank Desc: mogas 91 octane
Tank Stdd No E: Unknown–shop-fabricated horizontal aboveground tank
Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: Centrifugal
Tk Type of Pump F: Centrifuge
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: inch

Tank Std No F:	Inconnu - réservoir horizontal hors sol fabriqué par un magasin
Tank Std No Other:	
Tank Constr Material E:	Steel
Tank Constr Material F:	Acier
Tank Constr Material Other:	
Internal No:	mogas
Tank Content E:	Gasoline
Tank Content F:	Essence
Tank Content Other:	
Piping Diameter:	2
Spill Containment E:	Spill box at fill point (aboveground tank)
Spill Containment F:	Boîte de confinement de déversement au site de remplissage (réservoir hors sol)
Spill Containment Other:	
Product Transfer Area:	dike tank
Date Wthdrwn Other Component:	
Date Removed Other Component:	

Piping Construction Materials

Component E:	Steel
Component F:	Acier
Other:	

Piping Secondary Containment

Tank ID:	92895
Component E:	Double Walled
Component F:	Double paroi
Other:	

Tank Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Piping Corrosion Protection

Component E:	Painted
Component F:	Peinturé
Other:	

Tank Leak Detection

Component E:	Visual inspection
Component F:	Inspection visuelle
Other:	

Piping Leak Detection

Component E:	Visual inspection
Component F:	Inspection visuelle
Other:	

Sump Leak Detection

Component E:	Visual inspection
Component F:	Inspection visuelle

Other:

Tank Secondary Containment

Component E: Dike with impermeable liner
Component F: Digue dotée d'une membrane imperméable
Other:

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

Tanks Details

Tank ID: 92894
Tank Capacity: 4500
Tank Type E: Aboveground
Tank Type F: Hors sol
Date of Install:
Date Withdrawn Tk:
Date Removed Tank:
Dt Wthdrwn Piping:
Date Remvd Piping:
Tk Type of Pump E: Centrifugal
Tk Type of Pump F: Centrifuge
Piping Type E: Aboveground
Piping Type F: Hors sol
Piping Diam Unit: inch
Tank Desc: fuel tank
Tank Stdd No E: Unknown–shop-fabricated horizontal aboveground tank
Tank Std No F: Inconnu - réservoir horizontal hors sol fabriqué par un magasin
Tank Std No Other:
Tank Constr Material E: Steel
Tank Constr Material F: Acier
Tank Constr Material Other:
Internal No: 100ll
Tank Content E: Gasoline
Tank Content F: Essence
Tank Content Other:
Piping Diameter: 2
Spill Containment E: Spill box at fill point (aboveground tank)
Spill Containment F: Boîte de confinement de déversement au site de remplissage (réservoir hors sol)
Spill Containment Other:
Product Transfer Area: paved and sloped
Date Wthdrwn Other Component:
Date Removed Other Component:

Piping Construction Materials

Component E: Steel
Component F: Acier
Other:

Piping Secondary Containment

Tank ID: 92894
Component E: Double Walled
Component F: Double paroi
Other:

Tank Corrosion Protection

Component E: Painted

Component F: Peinturé
Other:

Piping Corrosion Protection

Component E: Painted
Component F: Peinturé
Other:

Tank Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Piping Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Sump Leak Detection

Component E: Visual inspection
Component F: Inspection visuelle
Other:

Tank Secondary Containment

Component E: Double Walled
Component F: Double paroi
Other:

Tank Overflow Protection

Component E: Method – trained personnel in attendance at all times
Component F: Méthode - Personels qualifiés présents en tout temps
Other:

25	*1 of 21*	*ENE/298.2*	*100.1 / -1.43*	***INNOTECH AVIATION LIMITED 21-496 OTTAWA INTERNATIONAL AIRPORT BUILDING T104, 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1***	*GEN*

Generator No: ON0102401
SIC Code: 8129
SIC Description: OTHER PROTECT. SERV.
Approval Years: 92,93,94,95,96,97
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	2 of 21	ENE/298.2	100.1 / -1.43	INNOTECH AVIATION LIMITED OTTAWA INTERNATIONAL AIRPORT 260 HUNT CLUB ROAD, BUILDING T104 OTTAWA ON K1G 3N3	GEN

Generator No: ON0102401
SIC Code: 8129
SIC Description: OTHER PROTECT. SERV.
Approval Years: 98,99,00,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	3 of 21	ENE/298.2	100.1 / -1.43	SANDER GEOPHYSICS LTD. 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	GEN

Generator No: ON1266501
SIC Code: 4512
SIC Description: NON-SCHED. A.T.-CHAR.
Approval Years: 96,97,98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

---

25 | **4 of 21** | **ENE/298.2** | **100.1 / -1.43** | **SANDER GEOPHYSICS LIMITED**
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 | **GEN**

Generator No: ON1266501
SIC Code: 4512
SIC Description: NON-SCHED. A.T.-CHAR.
Approval Years: 99,00,01,02,03,04,05,06,07,08
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

---

25 | **5 of 21** | **ENE/298.2** | **100.1 / -1.43** | **Sander Geophysics Limited**
260 Hunt Club Rd Ottawa Ontario K1V 1C1
Ottawa
ON | **EBR**

EBR Registry No: IA06E1526
Ministry Ref No: 4937-6WASU7
Notice Type: Instrument Decision
Notice Stage:
Notice Date: August 13, 2007
Proposal Date: December 12, 2006
Year: 2006
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Sander Geophysics Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 260 Hunt Club Rd, Ottawa Ontario, K1V 1C1
Comment Period:
URL:

Site Location Details:

260 Hunt Club Rd Ottawa Ontario K1V 1C1 Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	6 of 21	ENE/298.2	100.1 / -1.43	Sander Geophysics Limited Ottawa ON	CA

Certificate #: 7179-775V7Q
Application Year: 2007
Issue Date: 9/18/2007
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	7 of 21	ENE/298.2	100.1 / -1.43	SANDER GEOPHYSICS LIMITED 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	GEN

Generator No: ON1266501
SIC Code: 541360, 481215
SIC Description: Geophysical Surveying and Mapping Services, Non-Scheduled Specialty Flying Services
Approval Years: 2009
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
25	8 of 21	ENE/298.2	100.1 / -1.43	Sander Geophysics Limited 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	GEN

Generator No: ON9078665
SIC Code: 541360
SIC Description: Geophysical Surveying and Mapping Services
Approval Years: 2009
PO Box No:
Country:

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

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

---

25 ***9 of 21*** ***ENE/298.2*** ***100.1 / -1.43*** ***SANDER GEOPHYSICS LIMITED***
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 ***GEN***

Generator No: ON1266501
SIC Code: 541360, 481215
SIC Description: Geophysical Surveying and Mapping Services, Non-Scheduled Specialty Flying Services
Approval Years: 2010
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

---

25 ***10 of 21*** ***ENE/298.2*** ***100.1 / -1.43*** ***SANDER GEOPHYSICS LIMITED***
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 ***GEN***

Generator No: ON1266501
SIC Code: 541360, 481215
SIC Description: Geophysical Surveying and Mapping Services, Non-Scheduled Specialty Flying Services
Approval Years: 2011
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:

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

Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

25	11 of 21	ENE/298.2	100.1 / -1.43	SANDER GEOPHYSICS LIMITED 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1	GEN

Generator No: ON1266501
SIC Code: 541360, 481215
SIC Description: Geophysical Surveying and Mapping Services, Non-Scheduled Specialty Flying Services
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

25	12 of 21	ENE/298.2	100.1 / -1.43	SANDER GEOPHYSICS LIMITED 260 HUNT CLUB ROAD	GEN

OTTAWA ON

Generator No: ON1266501
SIC Code: 541360, 481215
SIC Description: GEOPHYSICAL SURVEYING AND MAPPING SERVICES, NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years: 2013
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

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

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 221
Waste Class Name: LIGHT FUELS

---

25 ***13 of 21*** ***ENE/298.2*** ***100.1 / -1.43*** ***Sander Geophysics Limited***
260 Hunt Club Rd
Ottawa ON K1V 1C1 ***ECA***

Approval No: 7145-73YJ67
Approval Date: 2007-07-17
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name: Rideau Valley
MOE District: Ottawa
City:
Longitude: -75.671844
Latitude: 45.342533
Geometry X:
Geometry Y:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Sander Geophysics Limited
Address: 260 Hunt Club Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4937-6WASU7-14.pdf
PDF Site Location:

---

25 ***14 of 21*** ***ENE/298.2*** ***100.1 / -1.43*** ***SANDER GEOPHYSICS LIMITED***
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 ***GEN***

Generator No: ON1266501
SIC Code: 541360, 481215

SIC Description:	GEOPHYSICAL SURVEYING AND MAPPING SERVICES, NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years:	2016
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Serge J Cadieux
Choice of Contact:	CO_ADMIN
Phone No Admin:	613 521-9626 Ext.173
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	122
Waste Class Name:	ALKALINE WASTES - OTHER METALS
Waste Class:	113
Waste Class Name:	ACID WASTE - OTHER METALS
Waste Class:	263
Waste Class Name:	ORGANIC LABORATORY CHEMICALS
Waste Class:	331
Waste Class Name:	WASTE COMPRESSED GASES
Waste Class:	221
Waste Class Name:	LIGHT FUELS
Waste Class:	112
Waste Class Name:	ACID WASTE - HEAVY METALS
Waste Class:	213
Waste Class Name:	PETROLEUM DISTILLATES

---

25 | ***15 of 21*** | ***ENE/298.2*** | ***100.1 / -1.43*** | ***SANDER GEOPHYSICS LIMITED***
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 | ***GEN***

Generator No:	ON1266501
SIC Code:	541360, 481215
SIC Description:	GEOPHYSICAL SURVEYING AND MAPPING SERVICES, NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years:	2015
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Serge J Cadieux
Choice of Contact:	CO_ADMIN
Phone No Admin:	613 521-9626 Ext.173
Contaminated Facility:	No
MHSW Facility:	No

Detail(s)

Waste Class:	252
Waste Class Name:	WASTE OILS & LUBRICANTS
Waste Class:	331
Waste Class Name:	WASTE COMPRESSED GASES
Waste Class:	122

Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

---

25 | **16 of 21** | **ENE/298.2** | **100.1 / -1.43** | **SANDER GEOPHYSICS LIMITED**
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 | **GEN**

Generator No: ON1266501
SIC Code: 541360, 481215
SIC Description: GEOPHYSICAL SURVEYING AND MAPPING SERVICES, NON-SCHEDULED SPECIALTY FLYING SERVICES
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Serge J Cadieux
Choice of Contact: CO_ADMIN
Phone No Admin: 613 521-9626 Ext.173
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 122
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 263
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 113
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 112
Waste Class Name: ACID WASTE - HEAVY METALS

---

25 | **17 of 21** | **ENE/298.2** | **100.1 / -1.43** | **SANDER GEOPHYSICS LIMITED**
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 | **GEN**

Generator No: ON1266501
SIC Code:
SIC Description:
Approval Years: As of Dec 2018
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 112 C
Waste Class Name: Acid solutions - containing heavy metals

Waste Class: 113 C
Waste Class Name: Acid solutions - containing other metals and non-metals

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 213 I
Waste Class Name: Petroleum distillates

Waste Class: 221 I
Waste Class Name: Light fuels

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

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

Waste Class: 331 I
Waste Class Name: Waste compressed gases including cylinders

---

25 | **18 of 21** | **ENE/298.2** | **100.1 / -1.43** | **260 Hunt Club Road Ottawa ON K1V 1H7** | **EHS**

Order No: 20181108007
Status: C
Report Type: RSC Report (Urban)
Report Date: 14-NOV-18
Date Received: 08-NOV-18
Previous Site Name:
Lot/Building Size: approx 11,500 square meters
Additional Info Ordered: Title Searches; Topographic Maps

Nearest Intersection:
Municipality: Ottawa
Client Prov/State: ON
Search Radius (km): .3
X: -75.68921
Y: 45.335195

---

25 | **19 of 21** | **ENE/298.2** | **100.1 / -1.43** | **SANDER GEOPHYSICS LIMITED 260 HUNT CLUB ROAD OTTAWA ON K1V 1C1** | **GEN**

Generator No: ON1266501
SIC Code:
SIC Description:
Approval Years: As of Jul 2020
PO Box No:
Country: Canada
Status: Registered

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

Detail(s)

Waste Class: 331 I
Waste Class Name: Waste compressed gases including cylinders

Waste Class: 113 C
Waste Class Name: Acid solutions - containing other metals and non-metals

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 112 C
Waste Class Name: Acid solutions - containing heavy metals

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

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 213 T
Waste Class Name: Petroleum distillates

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

---

25 | ***20 of 21*** | ***ENE/298.2*** | ***100.1 / -1.43*** | ***SANDER GEOPHYSICS LIMITED
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1*** | ***GEN***

Generator No: ON1266501
SIC Code:
SIC Description:
Approval Years: As of Nov 2021
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 122 C
Waste Class Name: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 263 I
Waste Class Name: Misc. waste organic chemicals

Waste Class: 113 C
Waste Class Name: Acid solutions - containing other metals and non-metals

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

Waste Class: 213 T
Waste Class Name: Petroleum distillates

Waste Class: 221 I
Waste Class Name: Light fuels

Waste Class: 331 I
Waste Class Name: Waste compressed gases including cylinders

Waste Class: 112 C
Waste Class Name: Acid solutions - containing heavy metals

---

25 | **21 of 21** | **ENE/298.2** | **100.1 / -1.43** | **SANDER GEOPHYSICS LIMITED**
260 HUNT CLUB ROAD
OTTAWA ON K1V 1C1 | **GEN**

Generator No: ON1266501
SIC Code:
SIC Description:
Approval Years: As of Oct 2022
PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 263 I
Waste Class Name: ORGANIC LABORATORY CHEMICALS

Waste Class: 113 C
Waste Class Name: ACID WASTE - OTHER METALS

Waste Class: 331 I
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 221 I
Waste Class Name: LIGHT FUELS

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

Waste Class: 112 C
Waste Class Name: ACID WASTE - HEAVY METALS

Waste Class: 122 C
Waste Class Name: ALKALINE WASTES - OTHER METALS

Waste Class: 213 T
Waste Class Name: PETROLEUM DISTILLATES

Unplottable Summary

Total: 89 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON	
CA	Longwood Building Corporation	Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front	Ottawa ON	
CA	Longwood Building Corporation	Part of Lot 6, Between Concession 2 & 3	Ottawa ON	
CA	1250353 Ontario Limited	Part of Lot 6, Concession 2 and 3, Rideau	Ottawa ON	
CA	First Capital Asset Management ULC	Part of Lot 6, Concession 2 Reference Plan 4R-22210	Ottawa ON	
CA	City of Ottawa	Hunt Club Road from the intersection of Hawthorne Road east apporx. 1030m	Ottawa ON	
CA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON	
CA		Part of Lot 18 and 19, Concession 1, Spratt Road	Gloucester ON	
CA		Part of Lot 18 and 19, Concession 1, Spratt Road	Gloucester ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA		Lot 6, Concession 2 and 3	Ottawa ON	
CA	CAMPEAU CORP.	RIVERSIDE DR.	OTTAWA ON	
CA	CAMPEAU CORP.	RIVERSIDE DR.	OTTAWA ON	
CA	1202574 ONTARIO INC.	SAWMILL RIDGE SUB/HUNT CLUB RD	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB ROAD	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB ROAD	OTTAWA CITY ON	

CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB ROAD	OTTAWA CITY ON	
CA	TRANS-NORTHERN PIPELINES INC.	HUNT CLUB ROAD	NEPEAN CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB ROAD FEEDERMAIN	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB RD.,PT.LOT 30/CON.3	NEPEAN CITY n/a sent 9/13/94 ON	
CA	NEPEAN CITY	HUNT CLUB RD. EXTN. (SWM)	NEPEAN CITY ON	
CA	OTTAWA CITY	HUNT CLUB RD./S.E. TRANSITWAY	OTTAWA CITY ON	
CA	PEREZ CORPORATION	STREET NO. 1 RIVERSIDE DR.	OTTAWA CITY ON	
CA	R.J. NICOL CONSTRUCTION (1975) LTD.	PRIVATE/HUNT CLUB COURT	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB RD.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARL.S.E. TRANSITWAY ST. 1	E. SIDE OF RIVERSIDE DR.	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON RIDEAU HEIGHTS	HUNT CLUB RD.	NEPEAN CITY ON	
CA	RICHCRAFT HOMES LTD.-LOT. 6, CONC. 4	HUNT CLUB RD./LORRY GREENBERG	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB ROAD	NEPEAN CITY ON	
CA	R.M. OF OTTAWA-CARLETON RIDEAU HEIGHTS	HUNT CLUB RD. EXT.	NEPEAN CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB ROAD	OTTAWA CITY ON	
CA	R.M. OF OTTAWA-CARLETON	HUNT CLUB RD.	NEPEAN CITY ON	
CA	J. PEREZ CORPORATION STM MGN. 3-0842-87	STREET #1 RIVERSIDE DR.	OTTAWA CITY ON	
CA	ESSO PETROLEUM CANADA-NS 05/14/92	HUNT CLUB RD. EXTN./MERIVALE	NEPEAN CITY ON	
EBR	Goulbourn-Stittsville Sanitation Limited	Lot 6, Conc. 2 CITY OF OTTAWA	ON	
ECA	Waste Management of Canada Corporation	Lot 5, 2 and 3 concession	Ottawa ON	K0A 1L0
ECA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON	K1P 1J1
ECA	City of Ottawa	Riverside Drive	Ottawa ON	K1S 5K2

ECA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON	K1P 1J1
ECA	City of Ottawa	Riverside Dr Lot 6, Concession 2 RF	Ottawa ON	K1P 1J1
ECA	Longwood Building Corporation	Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front	Ottawa ON	K1J 9H8
GEN	HUDSON GEN(OUT OF BUSINESS)NC 20-051	SKY SERVICE DIVISION OTTAWA AIRPORT-HUNT CLUB RD/LINDBERG P	OTTAWA ON	K1G 3N3
GEN	HUDSON GEN FLIGHT SERVICE INC	SKY SERVICE DIVISION OTTAWA AIRPORT-HUNT CLUB RD/LINDBERG P	OTTAWA ON	K1G 3N3
GEN	GVT. OF CAN. - TRANSPORT CANADA 18-233	SYSTEMS DEVELOPMENT LABORATORY BUILDING T-78, HUNT CLUB RD.	OTTAWA ON	K1S 5B1
GEN	GVT. OF CAN. - TRANSPORT CANADA	SYSTEMS DEVELOPMENT LABORATORY BUILDING T-78, HUNT CLUB RD.	OTTAWA ON	K1S 5B1
GEN	GVT. OF CAN. - PUBLIC WORKS CANADA18-229	SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS, RIVERSIDE DRIVE	OTTAWA ON	
GEN	GVT. OF CAN. - PUBLIC WORKS CANADA	REPROGRAPHIC SERVICES TUPPER BLDG. RIVERSIDE DRIVE	OTTAWA ON	K1A 0M2
GEN	OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF	HURDMAN'S BRIDGE, PUMPING STATION RIVERSIDE DRIVE	OTTAWA ON	
GEN	OTTAWA FLYING CLUB	CONC. 2 RFN PT LOT 6 HUNT CLUB RD.	OTTAWA ON	K1G 3N3
GEN	OTTAWA FLYING CLUB	CONC. 2 RFN PT LOT 6 RR#5, HUNTCLUB ROAD	OTTAWA ON	K1G 3N3
GEN	OTTAWA FLYING CLUB 29-334	CONC. 2 RFN PT LOT 6 RR#5, HUNTCLUB ROAD	OTTAWA ON	K1G 3N3
GEN	OTTAWA FLYING CLUB 29-334	HUNT CLUB ROAD CONCESSION 2, RFN. PART LOT 6	OTTAWA ON	
GEN	PUBLIC WORKS CANADA	SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS- RIVERSIDE DRIVE	OTTAWA ON	
PRT	HUNTCLUB ESSO K BASSETT	HUNT CLUB RD	OTTAWA ON	K1V8S6
PRT	IMPERIAL OIL ATTN L MCCAMBLEY	HUNT CLUB RD	OTTAWA ON	K1V8S6
PRT	JIM ROMBOUGH OTTAWA FLYING CLUB	HUNT CLUB RD	OTTAWA ON	K1V8S6
PTTW	Ottawa Hunt & Golf Club Limited	Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA	ON	
PTTW	Ottawa Hunt and Golf Club, Limited	Lot 5, Concession 2 City of Ottawa, Ontario CITY OF OTTAWA	ON	
PTTW	Ottawa Hunt and Golf Club Limited	Lot 5, Concession 2, Gloucester (Part: 1, Plan: 4R-7577), Ottawa CITY OF OTTAWA	ON	

SPL	Enbridge Gas Distribution Inc.; contractor R. B. Somerville Ltd<UNOFFICIAL>	West Hunt Club Road	Ottawa ON
SPL		Hunt Club Road	Ottawa ON
SPL	SHELL CANADA PRODUCTS LTD.	NORTHSIDE OF HUNT CLUB RD. PART OF LOTS 28,29 CONC ARF, NEPEAN TWP PIPELINE	OTTAWA-CARLETON R. M. ON
SPL	ONTARIO HYDRO	LOT 5 CONC 2 HUNTLEY TWP. TRANSFORMER	OTTAWA-CARLETON R. M. ON
SPL	SHELL CANADA PRODUCTS LTD.	HUNT CLUB RD. PIPELINE	NEPEAN CITY ON
SPL	ULTRAMAR	RIVERSIDE DRIVE AT TRANSIT WAY (NEAR POST OFFICE) TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	NATIONAL CAPITAL COMMISSION	RIDEAU CANAL AT HOG'S BACK, BETWEEN RIVERSIDE DR. & PRINCE OF WALES DR. STORAGE TANKS	OTTAWA CITY ON
SPL	UNKNOWN	COTTERS CR OFF OF HUNT CLUB	OTTAWA CITY ON
WWIS		lot 6	ON
WWIS		lot 5	ON
WWIS		lot 6	ON
WWIS		lot 5	ON
WWIS		lot 6	ON
WWIS		lot 5	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 5 con 2	ON
WWIS		lot 5	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 6	ON
WWIS		lot 5	ON

WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 5	ON
WWIS	lot 6	ON
WWIS	lot 5	ON
WWIS	lot 5	ON

Unplottable Report

Site: ***City of Ottawa***
Riverside Dr Lot 6, Concession 2 RF Ottawa ON

Database: ***CA***

Certificate #:	7888-7KLKTM
Application Year:	2008
Issue Date:	10/22/2008
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: ***Longwood Building Corporation***
Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front Ottawa ON

Database: ***CA***

Certificate #:	7831-6FARGB
Application Year:	2005
Issue Date:	8/26/2005
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: ***Longwood Building Corporation***
Part of Lot 6, Between Concession 2 & 3 Ottawa ON

Database: ***CA***

Certificate #:	6229-6EQGQE
Application Year:	2005
Issue Date:	7/28/2005
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***1250353 Ontario Limited***
Part of Lot 6, Concession 2 and 3, Rideau Ottawa ON

Database: ***CA***

Certificate #:	9386-674PJH

Application Year: 2004
Issue Date: 12/16/2004
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***First Capital Asset Management ULC***
Part of Lot 6, Concession 2 Reference Plan 4R-22210 Ottawa ON

Database: ***CA***

Certificate #: 3855-7WYQYJ
Application Year: 2009
Issue Date: 10/20/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa***
Hunt Club Road from the intersection of Hawthorne Road east apporx. 1030m Ottawa ON

Database: ***CA***

Certificate #: 3285-85MHMC
Application Year: 2010
Issue Date: 5/21/2010
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: ***City of Ottawa***
Riverside Dr Lot 6, Concession 2 RF Ottawa ON

Database: ***CA***

Certificate #: 1781-7JHSN7
Application Year: 2008
Issue Date: 9/16/2008
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:
Part of Lot 18 and 19, Concession 1, Spratt Road Gloucester ON

Database:
CA

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

Site:
Part of Lot 18 and 19, Concession 1, Spratt Road Gloucester ON

Database:
CA

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

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #: 1760-4W5ML6
Application Year: 01
Issue Date: 4/25/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Watermains to be constructed on Witherspoon Crescent
Contaminants:
Emission Control:

Site:
Lot 6, Concession 2 and 3 Ottawa ON

Database:
CA

Certificate #: 5772-4W5M6D
Application Year: 01
Issue Date: 4/25/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300

Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Storm and sanitary sewers to be constructed on Witherspoon Crescent
Contaminants:
Emission Control:

Site: ***Database:*** ***CA***
Lot 6, Concession 2 and 3 Ottawa ON

Certificate #: 6816-54HQ5P
Application Year: 01
Issue Date: 11/16/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: KNL Developments Inc.
Client Address: 222 Somerset Street West, Suite 300
Client City: Ottawa
Client Postal Code: K2P 2G3
Project Description: Sanitary Sewers including appurtenances from approximately 50m west of Ironside Court to the Goulbourn Forced Road to serve the Kanata Lakes Subdivision, City of Ottawa
Contaminants:
Emission Control:

Site: ***CAMPEAU CORP.*** ***Database:*** ***CA***
RIVERSIDE DR. OTTAWA ON

Certificate #: 7-0165-85-006
Application Year: 85
Issue Date: 3/29/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***CAMPEAU CORP.*** ***Database:*** ***CA***
RIVERSIDE DR. OTTAWA ON

Certificate #: 3-0118-85-006
Application Year: 85
Issue Date: 3/1/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***1202574 ONTARIO INC.*** ***Database:*** ***CA***
SAWMILL RIDGE SUB/HUNT CLUB RD GLOUCESTER CITY ON

Certificate #: 7-0639-97-

Application Year: 97
Issue Date: 7/9/1997
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1158-89-
Application Year: 89
Issue Date: 7/24/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1112-88-
Application Year: 88
Issue Date: 7/27/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1395-89-
Application Year: 89
Issue Date: 7/24/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***TRANS-NORTHERN PIPELINES INC.***
HUNT CLUB ROAD NEPEAN CITY ON

Database: ***CA***

Certificate #: 4-0117-91-
Application Year: 91
Issue Date: 2/3/1992
Approval Type: Industrial wastewater
Status: Preliminary approval
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INTERIM GROUND WATER TREATMENT
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB ROAD FEEDERMAIN OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1021-94-
Application Year: 94
Issue Date: 10/26/1994
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB RD.,PT.LOT 30/CON.3 NEPEAN CITY n/a sent 9/13/94 ON

Database: ***CA***

Certificate #: 3-0792-94-
Application Year: 94
Issue Date: 7/21/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***NEPEAN CITY***
HUNT CLUB RD. EXTN. (SWM) NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-0353-94-
Application Year: 94
Issue Date: 6/1/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:

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

Site: ***OTTAWA CITY***
HUNT CLUB RD./S.E. TRANSITWAY OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-0498-94-
Application Year: 94
Issue Date: 5/19/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PEREZ CORPORATION***
STREET NO. 1 RIVERSIDE DR. OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-0478-87-
Application Year: 87
Issue Date: 5/5/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.J. NICOL CONSTRUCTION (1975) LTD.***
PRIVATE/HUNT CLUB COURT OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1504-90-
Application Year: 90
Issue Date: 10/3/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB RD. OTTAWA CITY ON

Database: ***CA***

Certificate #: 7-1643-89-
Application Year: 89

Issue Date: 10/17/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARL.S.E.TRANSITWAY ST. 1 E. SIDE OF RIVERSIDE DR. OTTAWA CITY ON***

Database: ***CA***

Certificate #: 7-0818-89-
Application Year: 89
Issue Date: 5/29/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON RIDEAU HEIGHTS HUNT CLUB RD. NEPEAN CITY ON***

Database: ***CA***

Certificate #: 7-1783-88-
Application Year: 88
Issue Date: 11/3/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***RICHCRAFT HOMES LTD.-LOT. 6, CONC. 4 HUNT CLUB RD./LORRY GREENBERG OTTAWA CITY ON***

Database: ***CA***

Certificate #: 3-0112-92-
Application Year: 92
Issue Date: 2/14/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB ROAD NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-2283-88-
Application Year: 88
Issue Date: 6/9/1989
Approval Type: Municipal sewage
Status: Approved in 1989
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON RIDEAU HEIGHTS***
HUNT CLUB RD. EXT. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-2103-88-
Application Year: 88
Issue Date: 11/3/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB ROAD OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1277-88-
Application Year: 88
Issue Date: 7/27/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
HUNT CLUB RD. NEPEAN CITY ON

Database: ***CA***

Certificate #: 3-1664-86-
Application Year: 86
Issue Date: 11/4/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***J. PEREZ CORPORATION STM MGN. 3-0842-87***
STREET #1 RIVERSIDE DR. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-0563-87-
Application Year: 87
Issue Date: 5/5/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***ESSO PETROLEUM CANADA-NS 05/14/92***
HUNT CLUB RD. EXTN./MERIVALE NEPEAN CITY ON

Database: ***CA***

Certificate #: 8-4021-92-
Application Year: 92
Issue Date: 2/18/1992
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: CARBON FILTER FOR GROUND WATER TREATMENT
Contaminants: Benzene (Carcinogen Requires Bact), Toluene(Pentyl Methane)(Methyl Benzene), Xylene, Ethyl Benzene
Emission Control: Act. Charcoal Filter

Site: ***Goulbourn-Stittsville Sanitation Limited***
Lot 6, Conc. 2 CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No: IA7E1532
Ministry Ref No: ER-1145
Notice Type: Instrument Decision
Notice Stage:
Notice Date: January 02, 2009
Proposal Date: October 09, 1997
Year: 1997
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:
Instrument Type: (EPA s. 27) - Approval for a waste disposal site.
Off Instrument Name:
Posted By:
Company Name: Goulbourn-Stittsville Sanitation Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 106 Westhunt Drive, Carp Ontario, K0A 1L0
Comment Period:
URL:

Site Location Details:

Lot 6, Conc. 2 CITY OF OTTAWA

Site: ***Waste Management of Canada Corporation***
Lot 5, 2 and 3 concession Ottawa ON K0A 1L0

Database: ***ECA***

Approval No:	7953-CFDMRG	***MOE District:***	Ottawa
Approval Date:	August 10, 2022	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	-8468784.9962000009
SWP Area Name:	Mississippi Valley	***Geometry Y:***	5667824.9619999966
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Waste Management of Canada Corporation		
Address:	Lot 5, 2 and 3 concession		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/2684-CEYHTR-14.pdf		
PDF Site Location:	Carp Road Modifications City of Ottawa, Ontario		

Site: ***City of Ottawa***
Riverside Dr Lot 6, Concession 2 RF Ottawa ON K1P 1J1

Database: ***ECA***

Approval No:	7888-7KLKTM	***MOE District:***	
Approval Date:	2008-10-22	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	City of Ottawa		
Address:	Riverside Dr Lot 6, Concession 2 RF		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1431-7JDP8Q-14.pdf		
PDF Site Location:			

Site: ***City of Ottawa***
Riverside Drive Ottawa ON K1S 5K2

Database: ***ECA***

Approval No:	6330-5XEKCD	***MOE District:***	
Approval Date:	2004-03-29	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	
Approval Type:	ECA-Municipal Drinking Water Systems		
Project Type:	Municipal Drinking Water Systems		
Business Name:	City of Ottawa		
Address:	Riverside Drive		
Full Address:			
Full PDF Link:			
PDF Site Location:			

Site: ***City of Ottawa***
Riverside Dr Lot 6, Concession 2 RF Ottawa ON K1P 1J1

Database: ***ECA***

Approval No:	1781-7JHSN7	***MOE District:***	
Approval Date:	2008-09-16	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: City of Ottawa
Address: Riverside Dr Lot 6, Concession 2 RF
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0353-7JDNXL-14.pdf
PDF Site Location:

Site: ***City of Ottawa***
Riverside Dr Lot 6, Concession 2 RF Ottawa ON K1P 1J1

Database: ***ECA***

Approval No: 4813-7JJM7Q
Approval Date: 2008-09-16
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: City of Ottawa
Address: Riverside Dr Lot 6, Concession 2 RF
Full Address:
Full PDF Link:
PDF Site Location:

Site: ***Longwood Building Corporation***
Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front Ottawa ON K1J 9H8

Database: ***ECA***

Approval No: 7831-6FARGB
Approval Date: 2005-08-26
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Longwood Building Corporation
Address: Part of Lot 6 in the Gore Concession between Concessions 2 & 3, Rideau Front
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9514-6ENNP8-14.pdf
PDF Site Location:

Site: ***HUDSON GEN(OUT OF BUSINESS)NC 20-051***
SKY SERVICE DIVISION OTTAWA AIRPORT-HUNT CLUB RD/LINDBERG P OTTAWA ON K1G 3N3

Database: ***GEN***

Generator No: ON0244502
SIC Code: 4523
SIC Description: AIRCRAFT SEVICING
Approval Years: 92,93,94,95,96,97
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Site: ***HUDSON GEN FLIGHT SERVICE INC***
SKY SERVICE DIVISION OTTAWA AIRPORT-HUNT CLUB RD/LINDBERG P OTTAWA ON K1G 3N3

Database: ***GEN***

Generator No: ON0244502
SIC Code: 4523
SIC Description: AIRCRAFT SEVICING
Approval Years: 86,87,88,89,90
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 221
Waste Class Name: LIGHT FUELS

Site: ***GVT. OF CAN. - TRANSPORT CANADA 18-233***
SYSTEMS DEVELOPMENT LABORATORY BUILDING T-78, HUNT CLUB RD. OTTAWA ON K1S 5B1

Database: ***GEN***

Generator No: ON0175100
SIC Code: 0000
SIC Description: *** NOT DEFINED ***
Approval Years: 92,93,94
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Site: ***GVT. OF CAN. - TRANSPORT CANADA***
SYSTEMS DEVELOPMENT LABORATORY BUILDING T-78, HUNT CLUB RD. OTTAWA ON K1S 5B1

Database: ***GEN***

Generator No: ON0175100
SIC Code: 4521
SIC Description: AIRPORT OPER. IND.
Approval Years: 86,87,88,89,90
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Site: ***GVT. OF CAN. - PUBLIC WORKS CANADA18-229***
SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS, RIVERSIDE DRIVE OTTAWA ON

Database: ***GEN***

Generator No: ON0144720
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.
Approval Years: 92,93,94,95,96,97
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:

Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 243
Waste Class Name: PCB'S

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

Site: ***GVT. OF CAN. - PUBLIC WORKS CANADA***
REPROGRAPHIC SERVICES TUPPER BLDG. RIVERSIDE DRIVE OTTAWA ON K1A 0M2

Database: ***GEN***

Generator No: ON0144720
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.
Approval Years: 86,87,88,89,90
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Site: ***OTTAWA-CARLTON, REGIONAL MUNICIPALITY OF***
HURDMAN'S BRIDGE, PUMPING STATION RIVERSIDE DRIVE OTTAWA ON

Database: ***GEN***

Generator No: ON0303122
SIC Code: 8272
SIC Description: RES. CONS./IND. DEV.
Approval Years: 98
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Site: ***OTTAWA FLYING CLUB***
CONC. 2 RFN PT LOT 6 HUNT CLUB RD. OTTAWA ON K1G 3N3

Database: ***GEN***

Generator No: ON1004700

SIC Code: 9659
SIC Description: OTHER SPORT/REC.
Approval Years: 88,89
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

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

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Site: ***OTTAWA FLYING CLUB***
CONC. 2 RFN PT LOT 6 RR#5, HUNTCLUB ROAD OTTAWA ON K1G 3N3

Database: ***GEN***

Generator No: ON1004700
SIC Code: 9659
SIC Description: OTHER SPORT/REC.
Approval Years: 90
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

Site: ***OTTAWA FLYING CLUB 29-334***
CONC. 2 RFN PT LOT 6 RR#5, HUNTCLUB ROAD OTTAWA ON K1G 3N3

Database: ***GEN***

Generator No: ON1004700
SIC Code: 9659
SIC Description: OTHER SPORT/REC.
Approval Years: 94
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

Site: ***OTTAWA FLYING CLUB 29-334***
HUNT CLUB ROAD CONCESSION 2, RFN. PART LOT 6 OTTAWA ON

Database: ***GEN***

Generator No: ON1004700
SIC Code: 9659
SIC Description: OTHER SPORT/REC.
Approval Years: 95,96
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Site: ***PUBLIC WORKS CANADA***
SIR CHARLES TUPPER BUILDING CONFEDERATION HEIGHTS- RIVERSIDE DRIVE OTTAWA ON

Database: ***GEN***

Generator No: ON0144720
SIC Code: 8159
SIC Description: OTHER GEN. ADMIN.
Approval Years: 98,99,00,01
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 243
Waste Class Name: PCB'S

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

Waste Class: 264
Waste Class Name: PHOTOPROCESSING WASTES

Site: ***HUNTCLUB ESSO K BASSETT***
HUNT CLUB RD OTTAWA ON K1V8S6

Database: ***PRT***

Location ID: 10954
Type: retail

Expiry Date: 1996-02-29
Capacity (L): 136200
Licence #: 0076435098

Site: ***IMPERIAL OIL ATTN L MCCAMBLEY***
HUNT CLUB RD OTTAWA ON K1V8S6

Database: ***PRT***

Location ID: 10954
Type: retail
Expiry Date: 1995-01-31
Capacity (L): 136200
Licence #: 0076408079

Site: ***JIM ROMBOUGH OTTAWA FLYING CLUB***
HUNT CLUB RD OTTAWA ON K1V8S6

Database: ***PRT***

Location ID: 10954
Type: retail
Expiry Date: 1995-06-30
Capacity (L): 0
Licence #: 0020409001

Site: ***Ottawa Hunt & Golf Club Limited***
Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No: IA05E0019
Ministry Ref No: ER-0608-67WSSP
Notice Type: Instrument Decision
Notice Stage:
Notice Date: April 29, 2005
Proposal Date: January 07, 2005
Year: 2005
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Ottawa Hunt & Golf Club Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 1 Hunt Club Road, Ottawa Ontario, K1V 1B9
Comment Period:
URL:

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

Site Location Details:

Lot 5, Concession II, City of Ottawa (geographic Township of Gloucester) CITY OF OTTAWA

Site: ***Ottawa Hunt and Golf Club, Limited***
Lot 5, Concession 2 City of Ottawa, Ontario CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No: 013-2682
Ministry Ref No: 0641-AX8JAH
Notice Type: Instrument Decision
Notice Stage:
Notice Date: September 19, 2018
Proposal Date: March 27, 2018
Year: 2018
Instrument Type: Permit to Take Water - OWRA s. 34
Off Instrument Name:
Posted By:
Company Name: Ottawa Hunt and Golf Club, Limited(OWRA s. 34) - Permit to Take Water

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

Site Address:
Location Other:
Proponent Name: Ottawa Hunt and Golf Club, Limited
Proponent Address: 1 Hunt Club Road Ottawa Ontario Canada K1V 1B9
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM0OTYz&statusId=MjA3Mzcy&language=en

Site Location Details:

Lot 5, Concession 2
City of Ottawa, Ontario
CITY OF OTTAWA

Site: ***Ottawa Hunt and Golf Club Limited***
Lot 5, Concession 2, Gloucester (Part: 1, Plan: 4R-7577), Ottawa CITY OF OTTAWA ON

Database: ***PTTW***

EBR Registry No: 010-2796
Ministry Ref No: 7076-7A2KW2
Notice Type: Instrument Decision
Notice Stage:
Notice Date: June 04, 2008
Proposal Date: February 14, 2008
Year: 2008
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Ottawa Hunt and Golf Club Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 1 Hunt Club Road, Ottawa Ontario, Canada K1V 1B9
Comment Period:
URL:

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

Site Location Details:

Lot 5, Concession 2, Gloucester (Part: 1, Plan: 4R-7577), Ottawa CITY OF OTTAWA

Site: ***Enbridge Gas Distribution Inc.; contractor R. B. Somerville Ltd<UNOFFICIAL>***
West Hunt Club Road Ottawa ON

Database: ***SPL***

Ref No: 8138-9A7MZ3
Year:
Incident Dt: 2013/08/01
Dt MOE Arvl on Scn:
MOE Reported Dt: 2013/08/02
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: road allowance - 200 M east of Cedarview Rd<UNOFFICIAL>
Site Address: West Hunt Club Road
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

Incident Cause: Unknown / N/A
Incident Event:
Environment Impact: Not Anticipated
Nature of Impact: Surface Water Pollution
Contaminant Qty: 2840 L
System Facility Address:
Client Name: Enbridge Gas Distribution Inc.; contractor R. B. Somerville Ltd<UNOFFICIAL>
Client Type:
Source Type:
Contaminant Code: 99
Contaminant Name: BENTONITE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Incident Reason: Unknown / N/A
Incident Summary: Enbridge: ~ 3000 L bentonite to grnd; cntnd & clnd
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Other
SAC Action Class: Primary Assessment of Spills
Call Report Locatn Geodata:

Site:
Hunt Club Road Ottawa ON

Database: ***SPL***

Ref No: 4700-BQXLPC
Year:
Incident Dt: 2020/06/25
Dt MOE Arvl on Scn:
MOE Reported Dt: 2020/06/26
Dt Document Closed: 2020/07/17
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Roadway<UNOFFICIAL>
Site Address: Hunt Club Road
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing: 5021538.48
Easting: 447892.99
Incident Cause:
Incident Event: Leak/Break
Environment Impact:
Nature of Impact:
Contaminant Qty: 1 other - see incident description
System Facility Address:
Client Name:
Client Type:
Source Type: Unknown / N/A
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Receiving Medium: Land
Incident Reason: Unknown / N/A
Incident Summary: TIPS: Large oil spill on Hunt Club Road
Activity Preceding Spill:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Agency Involved:

Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Communal
SAC Action Class:
Call Report Locatn Geodata:

Site: ***SHELL CANADA PRODUCTS LTD.***
NORTHSIDE OF HUNT CLUB RD. PART OF LOTS 28,29 CONC ARF, NEPEAN TWP PIPELINE OTTAWA-CARLETON R.M. ON

Database: ***SPL***

Ref No: 41705
Year:
Incident Dt: 10/4/1990
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/4/1990
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA-CARLETON R.M.
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Environment Impact: CONFIRMED
Nature of Impact: Soil contamination
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: UNKNOWN
Incident Summary: SHELL- PETROLEUM PRODUCTFOUND IN BORE HOLES.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Municipality No: 20000
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved: M.O.E.

Site: ***ONTARIO HYDRO***
LOT 5 CONC 2 HUNTLEY TWP. TRANSFORMER OTTAWA-CARLETON R.M. ON

Database: ***SPL***

Ref No: 28839
Year:
Incident Dt: 12/13/1989
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/13/1989
Dt Document Closed:
Site No:

Municipality No: 20000
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA-CARLETON R.M.
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: COOLING SYSTEM LEAK
Incident Event:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: EQUIPMENT FAILURE
Incident Summary: ONT.HYDRO - 100 LTR OIL TO SNOW FROM TRANSFORMER.NON-PCB.
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Site: ***SHELL CANADA PRODUCTS LTD.***
HUNT CLUB RD. PIPELINE NEPEAN CITY ON

Database: ***SPL***

Ref No: 65137
Year:
Incident Dt: 12/11/1991
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/11/1991
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: NEPEAN CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Environment Impact: CONFIRMED

Municipality No: 20104
Nature of Damage:
Discharger Report:
Material Group:
Health/Env Conseq:
Agency Involved:

Nature of Impact:	Soil Contamination
Contaminant Qty:	
System Facility Address:	
Client Name:	
Client Type:	
Source Type:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	SHELL: 180-225 L OILY H20TO GRND DUE TO RUPTURED RECOVERY WELL LINE.
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	

Site: ***ULTRAMAR***
RIVERSIDE DRIVE AT TRANSIT WAY (NEAR POST OFFICE) TANK TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	76621	***Municipality No:***	20101
Year:		***Nature of Damage:***	
Incident Dt:	9/22/1992	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	9/22/1992	***Health/Env Conseq:***	
Dt Document Closed:		***Agency Involved:***	F.D., FRANCIS WASTE MGT.
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Incident Cause:	TRUCK/TRAILER OVERTURN		
Incident Event:			
Environment Impact:	NOT ANTICIPATED		
Nature of Impact:			
Contaminant Qty:			
System Facility Address:			
Client Name:			
Client Type:			
Source Type:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	LAND		
Incident Reason:	UNKNOWN		
Incident Summary:	ULTRAMAR GASOLINE TANKER - UNKNOWN QUANTITY GAS FROM MOTOR TO ROAD.		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			

SAC Action Class:
Call Report Locatn Geodata:

Site: ***NATIONAL CAPITAL COMMISSION***
RIDEAU CANAL AT HOG'S BACK, BETWEEN RIVERSIDE DR. & PRINCE OF WALES DR. STORAGE TANKS
OTTAWA CITY ON

Database: ***SPL***

Ref No:	85757	***Municipality No:***	20101
Year:		***Nature of Damage:***	
Incident Dt:	5/16/1993	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	5/18/1993	***Health/Env Conseq:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	OTTAWA CITY		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Incident Cause:	VALVE/FITTING LEAK OR FAILURE		
Incident Event:			
Environment Impact:	NOT ANTICIPATED		
Nature of Impact:			
Contaminant Qty:			
System Facility Address:			
Client Name:			
Client Type:			
Source Type:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	WATER		
Incident Reason:	EQUIPMENT FAILURE		
Incident Summary:	NATIONAL CAPITAL COMM. - 400L HYD. OIL TO RIDEAU CANAL LOCK STN. SUMP.		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:			
SAC Action Class:			
Call Report Locatn Geodata:			

Site: ***UNKNOWN***
COTTERS CR OFF OF HUNT CLUB OTTAWA CITY ON

Database: ***SPL***

Ref No:	225519	***Municipality No:***	20107
Year:		***Nature of Damage:***	
Incident Dt:	5/15/2002	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	5/15/2002	***Health/Env Conseq:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			

Site District Office:
Nearest Watercourse:
Site Name:
Site Address:
Site Region:
Site Municipality: OTTAWA CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Incident Cause: UNKNOWN
Incident Event:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Contaminant Qty:
System Facility Address:
Client Name:
Client Type:
Source Type:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Incident Reason: UNKNOWN
Incident Summary: UKNOWN: OIL SPILL
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:

Site: ***Database:*** ***WWIS***

lot 6 ON

Well ID: 1528362
Construction Date:
Use 1st: Municipal
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: 154297
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/19/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6844
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049901
DP2BR:
Spatial Status:
Code OB:

Elevation:
Elevrc:
Zone: 18
East83:

Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/22/1994
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931069429
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 84
Mat2 Desc: SILTY
Mat3:
Mat3 Desc:
Formation Top Depth: 11.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069428
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 84
Mat2 Desc: SILTY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 2.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931069427
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961528362
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 10598471
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930087230
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 15.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Water Details

Water ID: 933488022
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 4.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1525696
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Recharge Well
Water Type:
Casing Material:
Audit No: 68595
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/21/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047431
DP2BR:
Spatial Status:
Code OB:

Elevation:
Elevrc:
Zone: 18
East83:

Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/29/1991
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931062037
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 31.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062036
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 31.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062038
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 43.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961525696
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596001
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083029
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083028
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 46.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525696
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 40.0
Pumping Rate: 15.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934105071
Test Type:
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906866
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649268
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388730
Test Type:
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933484760
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 54.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1525698
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92003
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/21/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047433
DP2BR:
Spatial Status:
Code OB:

Elevation:
Elevrc:
Zone: 18
East83:

Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/17/1991
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931062042
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062043
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 80.0
Formation End Depth: 98.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062044
Layer: 3
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2: 71
Mat2 Desc: FRACTURED
Mat3:
Mat3 Desc:
Formation Top Depth: 98.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961525698
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596003
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083032
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 99.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525698
Pump Set At:
Static Level: 0.0
Final Level After Pumping: 80.0
Recommended Pump Depth: 80.0
Pumping Rate: 18.0
Flowing Rate:
Recommended Pump Rate: 18.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934105073
Test Type:
Test Duration: 15
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906868
Test Type:
Test Duration: 60
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388732
Test Type:
Test Duration: 30
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649270
Test Type:
Test Duration: 45
Test Level: 80.0
Test Level UOM: ft

Water Details

Water ID: 933484762
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 99.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1500377
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY (GLOUCESTER)
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/26/1948
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1107
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10022422
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/24/1947
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 930989112
Layer: 1
Color: 2
General Color: GREY
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989114
Layer: 3
Color: 2
General Color: GREY
Mat1: 19
Most Common Material: SLATE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 89.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989113
Layer: 2
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 28.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961500377
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10570992
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037778
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 89.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037777
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 28.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991500377
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 24.0
Recommended Pump Depth:
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933452894
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 89.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database: ***WWIS***

Well ID: 1500388
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/26/1948
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1107

Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY (GLOUCESTER)
Site Info:

Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10022433
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/14/1947
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 930989140
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 3.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989141
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989143
Layer: 4
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 59.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930989142
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961500388
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10571003
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930037801
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 59.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930037800

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991500388
Pump Set At:
Static Level: 1.0
Final Level After Pumping: 1.0
Recommended Pump Depth:
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 8.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933452905
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 59.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1520605
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/12/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10042447
DP2BR:

Elevation:
Elevrc:

Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/25/1986
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
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: 931045292
Layer: 3
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 63.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045291
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045290
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931045293
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	63.0
Formation End Depth:	84.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520605
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10591017
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074088
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	84.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930074087
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	63.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991520605
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0

Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934906159
Test Type:
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112491
Test Type:
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387354
Test Type:
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648377
Test Type:
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933477897
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 78.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1520608
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: NA

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/12/1986
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644

Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	006
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10042450	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	05/06/1986	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931045302
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	82
Mat2 Desc:	SHALY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	27.0
Formation End Depth:	120.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045300
Layer:	1
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045301
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	27.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961520608
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10591020
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930074093
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930074092
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	29.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991520608
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	40.0

Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 6.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934387357
Test Type:
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648380
Test Type:
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112494
Test Type:
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907141
Test Type:
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933477900
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

Water Details

Water ID: 933477901
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 115.0
Water Found Depth UOM: ft

Site: ***Database:*** ***WWIS***

lot 6 ON

Well ID:	1520819	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	09/03/1986
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	NA	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	006
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	RF
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	NEPEAN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10042660	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01/30/1986	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931045919
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931045923
Layer:	5
Color:	2
General Color:	GREY

Mat1: 15
Most Common Material: LIMESTONE
Mat2: 78
Mat2 Desc: MEDIUM-GRAINED
Mat3:
Mat3 Desc:
Formation Top Depth: 48.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045921
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 39.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045920
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 7.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931045922
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 13
Mat2 Desc: BOULDERS
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 39.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961520819

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

Pipe Information

Pipe ID: 10591230
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930074461
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930074460
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 52.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991520819
Pump Set At:
Static Level: 28.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 75.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934388398
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934104859
Test Type: Draw Down
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906636
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649555
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933478188
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Water Details

Water ID: 933478189
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 96.0
Water Found Depth UOM: ft

Site:
lot 5 con 2 ON

Database:
WWIS

Well ID: 1521866
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 17475
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/01/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession: 02
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10043679	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/14/1987	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931049412
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	86
Mat2 Desc:	STICKY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049414
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	60.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931049411
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	

Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931049413
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 40.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521866
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592249
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930076323
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 100.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930076322
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 68.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP

Pump Test ID: 991521866
Pump Set At:
Static Level: 7.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 75.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934108160
Test Type: Draw Down
Test Duration: 15
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391284
Test Type: Draw Down
Test Duration: 30
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910634
Test Type: Draw Down
Test Duration: 60
Test Level: 40.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934653403
Test Type: Draw Down
Test Duration: 45
Test Level: 40.0
Test Level UOM: ft

Water Details

Water ID: 933479580
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 88.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database: ***WWIS***

Well ID: 7417854
Construction Date:
Use 1st:
Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes

Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: C54377
Tag: A299948
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Data Src:
Date Received: 05/19/2022
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7328
Form Version: 8
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1009043836
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/08/2022
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 447888.00
North83: 5031583.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Site:
lot 6 ON

Database:
WWIS

Well ID: 1522283
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 25126
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 05/17/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044096
DP2BR:
Spatial Status:

Elevation:
Elevrc:
Zone: 18

Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/15/1988
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931050812
Layer: 3
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 77
Mat2 Desc: LOOSE
Mat3:
Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050813
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 79
Mat3 Desc: PACKED
Formation Top Depth: 68.0
Formation End Depth: 82.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050811
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050814
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 82.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931050810
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 79
Mat2 Desc: PACKED
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522283
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10592666
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077120
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077119
Layer: 1

Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 83.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991522283
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934385794
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934109811
Test Type: Draw Down
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903458
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934655043
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933480113
Layer: 1

Kind Code: 1
Kind: FRESH
Water Found Depth: 84.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1522709
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 27039
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/26/1988
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044519
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/25/1988
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931052357
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 23.0
Formation End Depth: 95.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931052356
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931052358
Layer: 3
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 95.0
Formation End Depth: 123.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961522709
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10593089
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930077853
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 26.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930077854
Layer: 2
Material: 4

Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 123.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991522709
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 70.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 15.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934656258
Test Type:
Test Duration: 45
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905075
Test Type:
Test Duration: 60
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934386882
Test Type:
Test Duration: 30
Test Level: 70.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934111038
Test Type:
Test Duration: 15
Test Level: 70.0
Test Level UOM: ft

Water Details

Water ID: 933480703
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 95.0
Water Found Depth UOM: ft

Water Details

Water ID: 933480704
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 118.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1535511
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Audit No: Z17640
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: 15000
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05/28/2005
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6907
Form Version: 3
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316050
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/11/2005
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method: na

Method of Construction & Well Use

Method Construction ID: 961535511
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11330905
Casing No: 1
Comment:
Alt Name:

Site:
lot 5 ON

Database:
WWIS

Well ID: 1530916
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 210553
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/17/1999
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052450
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/18/1999
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931076940
Layer: 2
Color:
General Color:
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 37.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931076939
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Mat2 Desc:	BOULDERS
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	37.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116087
Layer:	1
Plug From:	2.0
Plug To:	46.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530916
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10601020
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930091618
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930091617
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	46.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930091616
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	44.0
Casing Diameter:	8.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991530916
Pump Set At:	
Static Level:	23.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0
Pumping Rate:	21.0
Flowing Rate:	
Recommended Pump Rate:	21.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934386266
Test Type:	Recovery
Test Duration:	30
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934119528
Test Type:	Recovery
Test Duration:	15
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903818
Test Type:	Recovery
Test Duration:	60
Test Level:	23.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934664639
Test Type:	Recovery
Test Duration:	45
Test Level:	23.0
Test Level UOM:	ft

Water Details

Water ID:	933491217
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

Site:
lot 5 ON

Database:
WWIS

Well ID:	1530720	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	09/22/1999
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	210452	***Contractor:***	1119
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	005
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	LI
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10052254	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/29/1999	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931076389
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0

Formation End Depth: 28.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076391
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 34.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076390
Layer: 2
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115862
Layer: 1
Plug From: 2.0
Plug To: 40.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530720
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600824
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930091188

Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091187
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 40.0
Casing Diameter: 9.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930091186
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 38.0
Casing Diameter: 9.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991530720
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 70.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934120065
Test Type: Recovery
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934385686
Test Type: Recovery

Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934903241
Test Type: Recovery
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934664204
Test Type: Recovery
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933490946
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 73.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1530475
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 197136
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 03/02/1999
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10052010
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/12/1998
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
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: 931075618
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075619
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 32.0
Formation End Depth: 57.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075620
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 57.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115622
Layer: 1
Plug From: 2.0
Plug To: 63.0

Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530475
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600580
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090702
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090701
Layer: 2
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 63.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090700
Layer: 1
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 61.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991530475
Pump Set At:
Static Level: 21.0
Final Level After Pumping: 70.0
Recommended Pump Depth: 70.0
Pumping Rate: 13.0
Flowing Rate:
Recommended Pump Rate: 13.0

Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934385047
Test Type: Recovery
Test Duration: 30
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902180
Test Type: Recovery
Test Duration: 60
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934118871
Test Type: Recovery
Test Duration: 15
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934663010
Test Type: Recovery
Test Duration: 45
Test Level: 21.0
Test Level UOM: ft

Water Details

Water ID: 933490624
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database: ***WWIS***

Well ID: 1530296
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 182440
Tag:
Constructn Method:
Elevation (m):

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/24/1998
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON

Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GLOUCESTER TOWNSHIP
Site Info:

Lot: 005
Concession:
Concession Name: LI
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10051831
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/11/1998
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931075086
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 27.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075085
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115431
Layer: 1
Plug From: 3.0
Plug To: 35.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530296
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600401
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090318
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 61.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090316
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 33.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090317
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 35.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991530296
Pump Set At:
Static Level: 21.0

Final Level After Pumping: 50.0
Recommended Pump Depth: 50.0
Pumping Rate: 24.0
Flowing Rate:
Recommended Pump Rate: 24.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934118297
Test Type: Recovery
Test Duration: 15
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910979
Test Type: Recovery
Test Duration: 60
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392864
Test Type: Recovery
Test Duration: 30
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934662435
Test Type: Recovery
Test Duration: 45
Test Level: 21.0
Test Level UOM: ft

Water Details

Water ID: 933490363
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 44.0
Water Found Depth UOM: ft

Water Details

Water ID: 933490365
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 52.0
Water Found Depth UOM: ft

Water Details

Water ID:	933490364
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	50.0
Water Found Depth UOM:	ft

Site:
lot 5 ON

Database:
WWIS

Well ID:	1530295	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	11/24/1998
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	192714	***Contractor:***	1119
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	005
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	LI
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GLOUCESTER TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10051830	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/11/1998	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931075083
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	22.0

Formation End Depth: 30.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075084
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931075082
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 13
Mat2 Desc: BOULDERS
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933115430
Layer: 1
Plug From: 2.0
Plug To: 38.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961530295
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10600400
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930090313

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 36.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090314
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 38.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930090315
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991530295
Pump Set At:
Static Level: 25.0
Final Level After Pumping: 65.0
Recommended Pump Depth: 65.0
Pumping Rate: 18.0
Flowing Rate:
Recommended Pump Rate: 18.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934118296
Test Type: Recovery
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392863
Test Type: Recovery

Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934662434
Test Type: Recovery
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910978
Test Type: Recovery
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933490360
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 57.0
Water Found Depth UOM: ft

Water Details

Water ID: 933490362
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 74.0
Water Found Depth UOM: ft

Water Details

Water ID: 933490361
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 66.0
Water Found Depth UOM: ft

Site:
lot 6 ON

Database:
WWIS

Well ID: 1529378
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 175306
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 04/23/1997
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 006
Concession:
Concession Name: NI

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050914
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/10/1997
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931072535
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 127.0
Formation End Depth: 160.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931072534
Layer: 2
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 54.0
Formation End Depth: 127.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931072533
Layer: 1

Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 13
Mat3 Desc: BOULDERS
Formation Top Depth: 0.0
Formation End Depth: 54.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114389
Layer: 1
Plug From: 2.0
Plug To: 61.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529378
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10599484
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930088856
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 160.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930088855
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 61.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991529378

Pump Set At:
Static Level: 14.0
Final Level After Pumping: 80.0
Recommended Pump Depth: 80.0
Pumping Rate: 22.0
Flowing Rate:
Recommended Pump Rate: 22.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934908249
Test Type: Recovery
Test Duration: 60
Test Level: 14.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934115581
Test Type: Recovery
Test Duration: 15
Test Level: 14.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934659159
Test Type: Recovery
Test Duration: 45
Test Level: 14.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390549
Test Type: Recovery
Test Duration: 30
Test Level: 14.0
Test Level UOM: ft

Water Details

Water ID: 933489326
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 77.0
Water Found Depth UOM: ft

Water Details

Water ID: 933489328
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 149.0

Water Found Depth UOM: ft

Water Details

Water ID: 933489327
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 92.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database: ***WWIS***

Well ID: 1525695
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 68596
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/21/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047430
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/29/1991
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931062033
Layer: 2
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:

Mat3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 43.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062034
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 43.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062032
Layer: 1
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931062035
Layer: 4
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2: 15
Mat2 Desc: LIMESTONE
Mat3:
Mat3 Desc:
Formation Top Depth: 105.0
Formation End Depth: 223.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525695
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596000
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930083027
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 223.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930083026
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 46.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525695
Pump Set At:
Static Level: 30.0
Final Level After Pumping: 80.0
Recommended Pump Depth: 80.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934649267
Test Type:
Test Duration: 45
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105070
Test Type:
Test Duration: 15
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906865
Test Type:
Test Duration: 60
Test Level: 80.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388729
Test Type:
Test Duration: 30
Test Level: 80.0
Test Level UOM: ft

Water Details

Water ID: 933484759
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 120.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484758
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 218.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484757
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Site:
lot 5 ON

Database:
WWIS

Well ID: 1526362
Construction Date:
Use 1st: Irrigation
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 111839
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/20/1992
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 005
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:

Clear/Cloudy:
Municipality: NEPEAN TOWNSHIP
Site Info:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10048075
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/06/1992
Remarks:
Loc Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931063953
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 60.0
Formation End Depth: 263.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063951
Layer: 1
Color: 2
General Color: GREY
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931063952
Layer: 2
Color: 2
General Color: GREY
Mat1: 15

Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526362
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596645
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930084162
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930084163
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 263.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991526362
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 260.0
Recommended Pump Depth: 260.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1

Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934909115
Test Type:
Test Duration: 60
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934107344
Test Type:
Test Duration: 15
Test Level: 185.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390979
Test Type:
Test Duration: 30
Test Level: 120.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651499
Test Type:
Test Duration: 45
Test Level: 75.0
Test Level UOM: ft

Water Details

Water ID: 933485661
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 140.0
Water Found Depth UOM: ft

Water Details

Water ID: 933485662
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 235.0
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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Mar 2022

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-Oct 31, 2023

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Oct 31, 2023

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 -Nov 2023

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-Jan 2024

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Jan 31, 2024

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Aug 2023

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Jan 31, 2024

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994 - Jan 31, 2024

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Jan 31, 2024

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Dec 31, 2023

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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, 2022

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Oct 2023

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Oct 2023

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2021

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: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2022

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory 1993-2020: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Sep 2020

National Pollutant Release Inventory - Historic: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 29, 2024

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2023

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Jan 31, 2024

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Jan 31, 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Sep 2020

Potential PFAS Handers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Sep 2020

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing 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, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Jan 31, 2024

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Feb 2024

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Oct 31, 2023

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available by the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Jan 2023; Mar 2023-Dec 2023

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2023

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Jan 31, 2024

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Mar 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix D Aerial Photographs

Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197

4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024

HISTORICAL AERIALS

Project Property: Huntclub
Riverside Drive
Ottawa ON K1V 2E8

Project No:

Requested By: SLR Consulting (Canada) Ltd.

Order No: 24032000375

Date Completed: April 08,2024

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

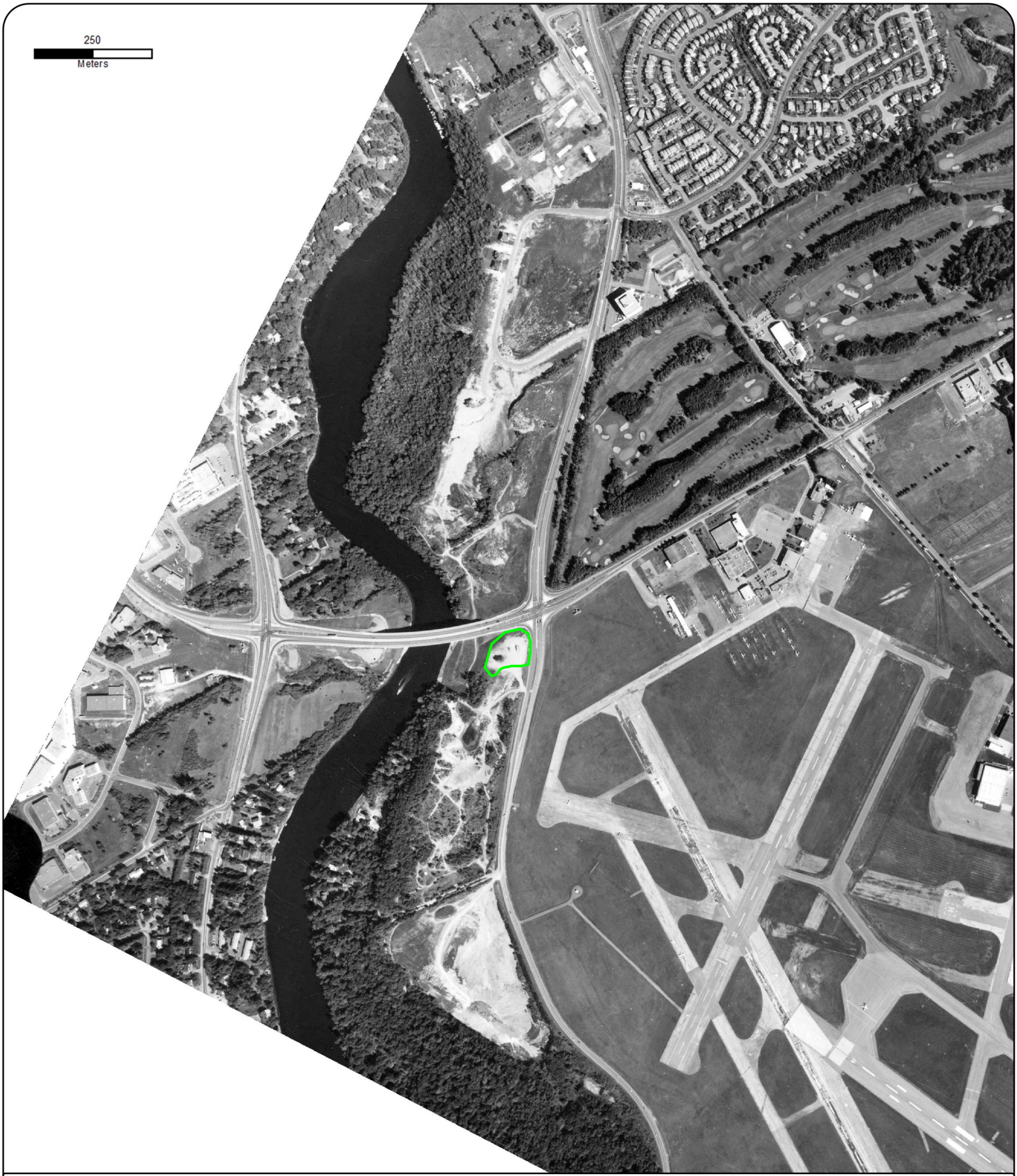
Date	Source	Scale	Comments
2023	Maxar Technologies	10,000	
1989	National Air Photo Library	10,000	
1953	National Air Photo Library	10,000	
1945	National Air Photo Library	10,000	
1930	National Air Photo Library	10,000	

Year: 2023
Source: MAXAR
Scale: 10,000
Comment:

Address: Riverside Drive, Ottawa, ON
Approx Center: -75.6939714,45.33380718

Order No: 24032000375

ERIS



Year: 1989
Source: NAPL
Scale: 10,000
Comment:

Address: Riverside Drive, Ottawa, ON
Approx Center: -75.6939714,45.33380718

Order No: 24032000375

ERIS

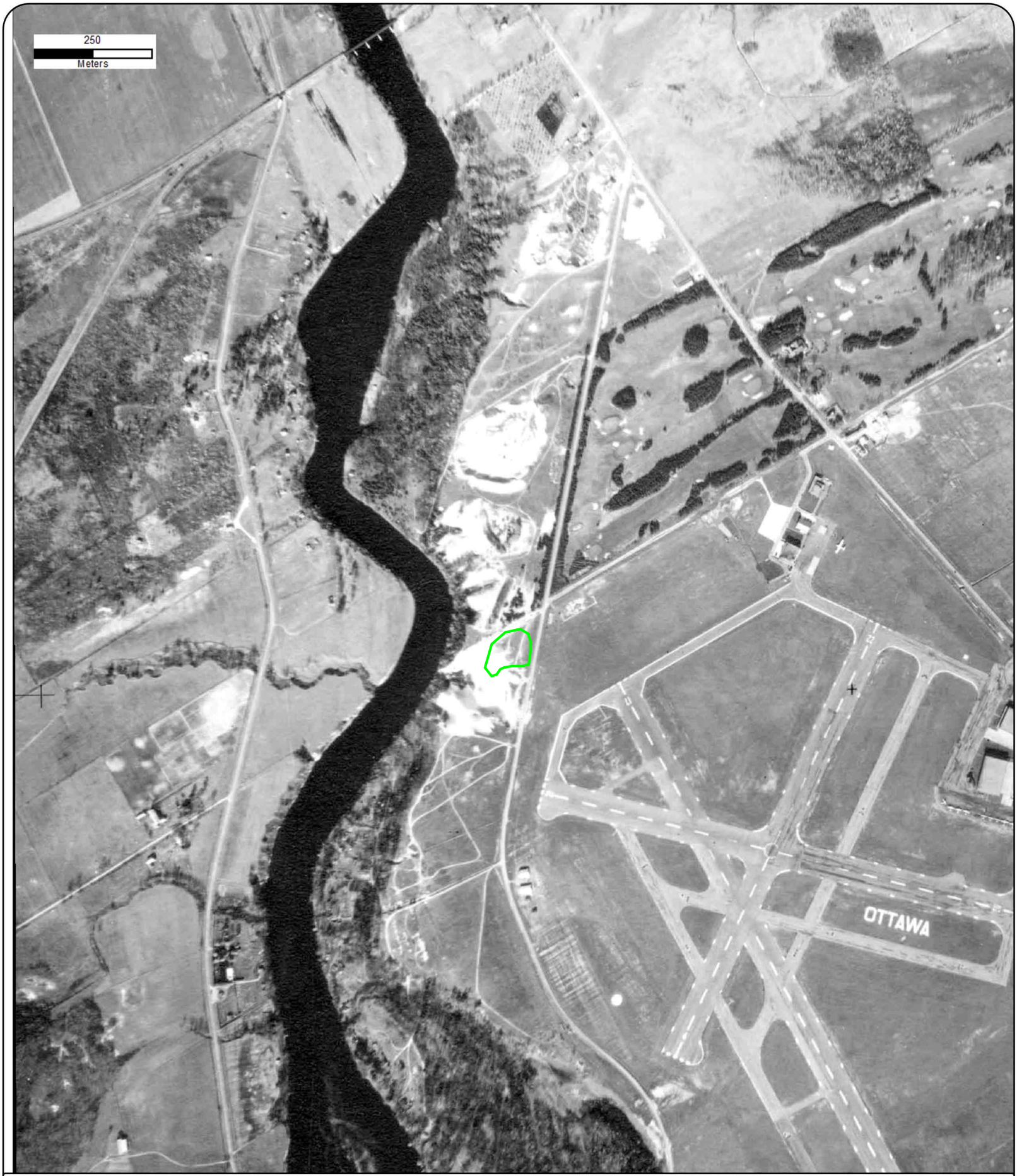
250
Meters

Year: 1953
Source: NAPL
Scale: 10,000
Comment:

Address: Riverside Drive, Ottawa, ON
Approx Center: -75.6939714,45.33380718

Order No: 24032000375

ERIS

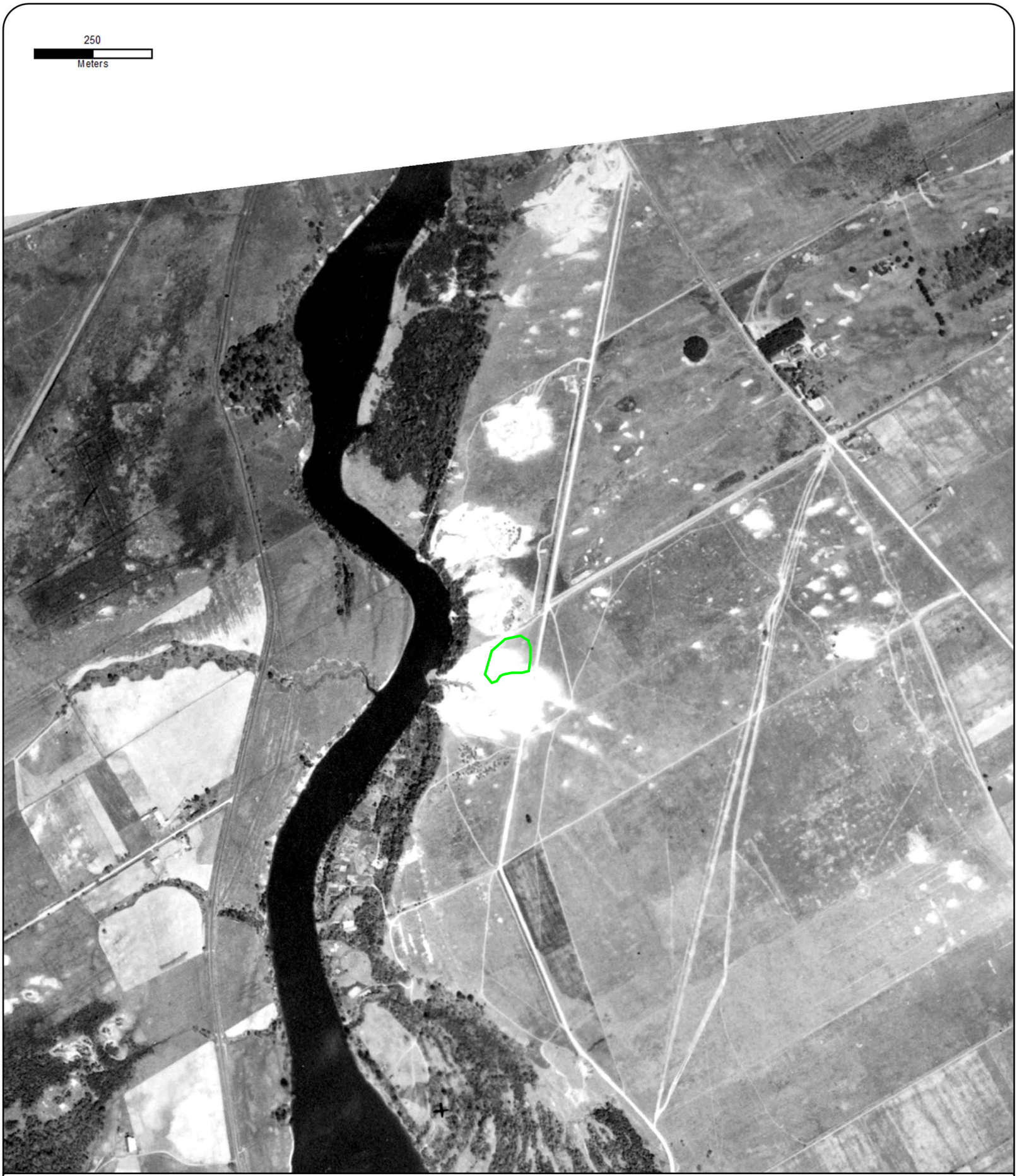


Year: 1945
Source: NAPL
Scale: 10,000
Comment:

Address: Riverside Drive, Ottawa, ON
Approx Center: -75.6939714,45.33380718

Order No: 24032000375

ERIS



Year: 1930
Source: NAPL
Scale: 10,000
Comment:

Address: Riverside Drive, Ottawa, ON
Approx Center: -75.6939714,45.33380718

Order No: 24032000375

ERIS

Aerial Photographs – 4000 Riverside Drive, Ottawa, ON

Year: 1965

Year: 1976

Year: 1999

Year: 2002

Year: 2005

Year: 2008

Year: 2011

Year: 2014

Year: 2017

Appendix E Survey

Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197

4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024

PLAN OF SURVEY
WITH TOPOGRAPHIC DETAILS OF

PART OF LOT 6
CONCESSION 2 (RIDEAU FRONT)

GEOGRAPHIC TOWNSHIP OF GLOUCESTER

CITY OF OTTAWA

J.D. BARNES LIMITED

SCALE 1 : 150

2.5 0 2.5 5 10 metres

METRIC DISTANCES AND/OR COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

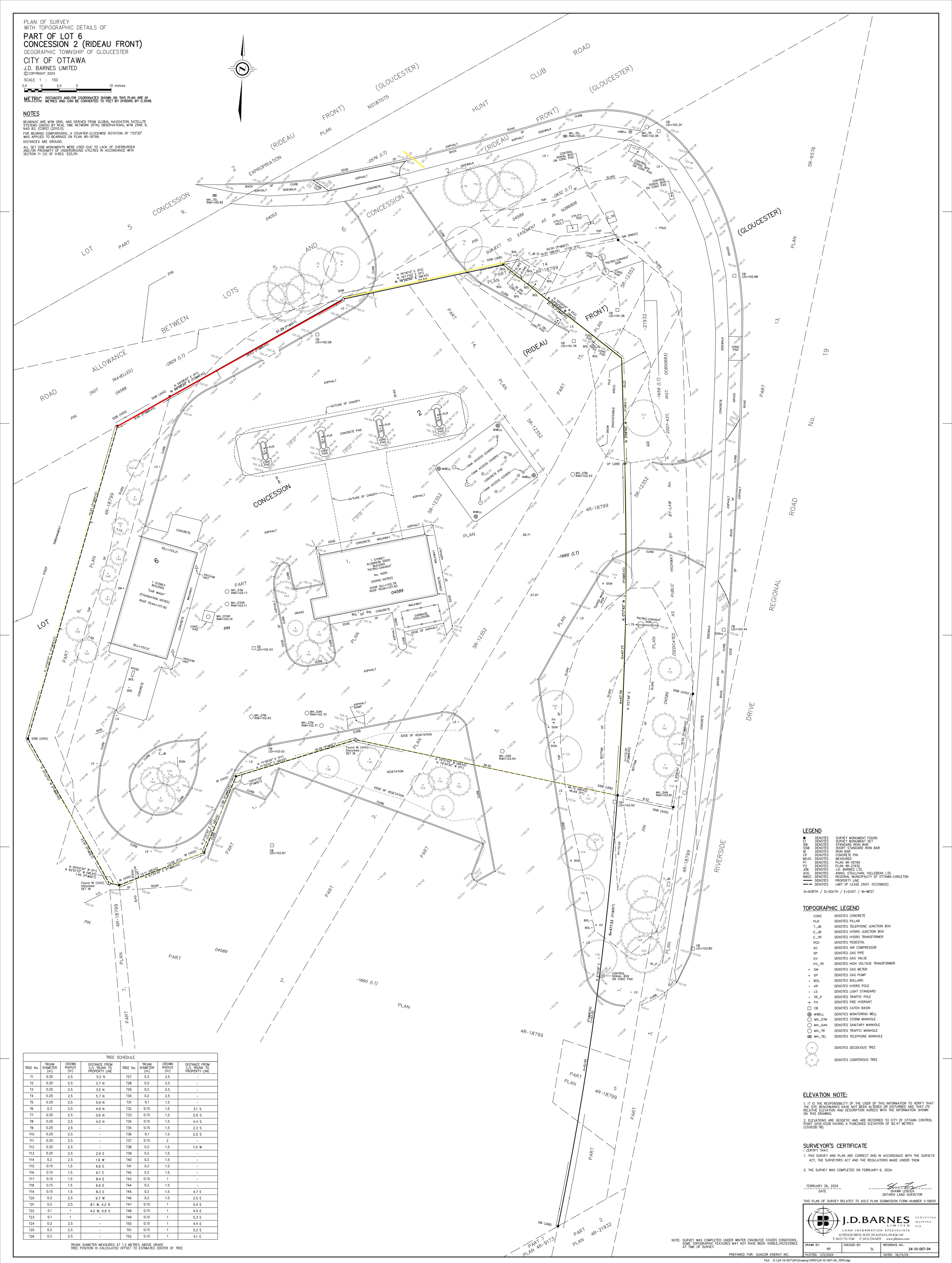
NOTES

BEARINGS ARE MTM GRID, AND DERIVED FROM GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS) BY REAL TIME NETWORK (RTN) OBSERVATIONS, MTM ZONE 9, NAD 83, (CSRS) (2010.0).

FOR BEARING COMPARISONS, A COUNTER-CLOCKWISE ROTATION OF 1°03'30" WAS APPLIED TO BEARINGS ON PLAN 4R-18799.

DISTANCES ARE GROUND.

ALL SET SSIB MONUMENTS WERE USED DUE TO LACK OF OVERBURDEN AND/OR PROXIMITY OF UNDERGROUND UTILITIES IN ACCORDANCE WITH SECTION 11 (4) OF O.REG. 525/91.



TREE SCHEDULE							
TREE No.	TRUNK DIAMETER (m)	CROWN RADIUS (m)	DISTANCE FROM C/L TRUNK TO PROPERTY LINE	TREE No.	TRUNK DIAMETER (m)	CROWN RADIUS (m)	DISTANCE FROM C/L TRUNK TO PROPERTY LINE
T1	0.25	2.5	5.2 N	T27	0.2	2.5	-
T2	0.25	2.5	3.7 N	T28	0.2	2.5	-
T3	0.25	2.5	3.5 N	T29	0.2	2.5	-
T4	0.25	2.5	5.7 N	T30	0.2	2.5	-
T5	0.25	2.5	5.9 N	T31	0.1	1.5	-
T6	0.3	2.5	4.9 N	T32	0.15	1.5	3.1 S
T7	0.25	2.5	0.6 N	T33	0.15	1.5	2.9 S
T8	0.25	2.5	4.0 N	T34	0.15	1.5	4.4 S
T9	0.25	2.5	-	T35	0.15	1.5	2.3 S
T10	0.25	2.5	-	T36	0.1	1.5	2.5 S
T11	0.25	2.5	-	T37	0.15	2	-
T12	0.25	2.5	-	T38	0.2	1.5	7.0 W
T13	0.25	2.5	2.9 E	T39	0.2	1.5	-
T14	0.2	2.5	1.6 W	T40	0.2	1.5	-
T15	0.15	1.5	6.6 E	T41	0.2	1.5	-
T16	0.15	1.5	6.1 E	T42	0.2	1.5	-
T17	0.15	1.5	8.4 E	T43	0.15	1	-
T18	0.15	1.5	6.6 E	T44	0.2	1.5	-
T19	0.15	1.5	8.3 E	T45	0.2	1.5	4.7 E
T20	0.2	2.5	9.7 W	T46	0.2	1.5	2.5 E
T21	0.2	2.5	8.1 W, 4.2 N	T47	0.15	1	5.4 E
T22	0.1	1	4.2 W, 0.9 S	T48	0.15	1	4.5 E
T23	0.1	1	-	T49	0.15	1	5.3 E
T24	0.2	2.5	-	T50	0.15	1	4.4 E
T25	0.2	2.5	-	T51	0.15	1	5.2 E
T26	0.2	2.5	-	T52	0.15	1	4.1 E

TRUNK DIAMETER MEASURED AT 1.2 METRES ABOVE GRADE
TREE POSITION IS CALCULATED OFFSET TO ESTIMATED CENTER OF TREE

LEGEND

■	DENOTES	SURVEY MONUMENT FOUND
□	DENOTES	SURVEY MONUMENT SET
SIB	DENOTES	STANDARD IRON BAR
SSIB	DENOTES	SHORT STANDARD IRON BAR
IB	DENOTES	IRON BAR
CP	DENOTES	CONCRETE PIN
MEAS	DENOTES	MEASURED
P1	DENOTES	PLAN 4R-18799
P2	DENOTES	PLAN 4R-21932
JDB	DENOTES	J.D. BARNES LTD.
AOG	DENOTES	ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
RMOC	DENOTES	REGIONAL MUNICIPALITY OF OTTAWA-CARLETON
	DENOTES	PROPERTY LINE
	DENOTES	LIMIT OF LEASE (INST. OC339605)

N=NORTH / S=SOUTH / E=EAST / W=WEST

TOPOGRAPHIC LEGEND

CONC	DENOTES CONCRETE
PLR	DENOTES PILLAR
T_JB	DENOTES TELEPHONE JUNCTION BOX
E_JB	DENOTES HYDRO JUNCTION BOX
E_TR	DENOTES HYDRO TRANSFORMER
PED	DENOTES PEDESTAL
AC	DENOTES AIR COMPRESSOR
GP	DENOTES GAS PIPE
GV	DENOTES GAS VALVE
HV_TR	DENOTES HIGH VOLTAGE TRANSFORMER
GM	DENOTES GAS METER
GP	DENOTES GAS PUMP
BOL	DENOTES BOLLARD
HP	DENOTES HYDRO POLE
LS	DENOTES LIGHT STANDARD
TR_P	DENOTES TRAFFIC POLE
FH	DENOTES FIRE HYDRANT
CB	DENOTES CATCH BASIN
MWELL	DENOTES MONITORING WELL
MH_STM	DENOTES STORM MANHOLE
MH_SAN	DENOTES SANITARY MANHOLE
MH_TR	DENOTES TRAFFIC MANHOLE
MH_TEL	DENOTES TELEPHONE MANHOLE
	DENOTES DECIDUOUS TREE
	DENOTES CONIFEROUS TREE

ELEVATION NOTE:

1. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE SITE BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.

2. ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF OTTAWA CONTROL POINT 2016-0328 HAVING A PUBLISHED ELEVATION OF 82.47 METRES (CGVD28:78).

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.

2. THE SURVEY WAS COMPLETED ON FEBRUARY 6, 2024.

FEBRUARY 26, 2024
DATE

SHAWN LEROUX
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-58051

NOTE: SURVEY WAS COMPLETED UNDER WINTER (SNOW/ICE COVER) CONDITIONS. SOME TOPOGRAPHIC FEATURES MAY NOT HAVE BEEN VISIBLE/ACCESSIBLE AT TIME OF SURVEY.

PREPARED FOR: SUNCOR ENERGY INC.

J.D.BARNES LIMITED
SURVEYING MAPPING GIS
LAND INFORMATION SPECIALISTS
62 STEACIE DRIVE, SUITE 103, KANATA, ON K2K 2A9
T: (613) 731-7244 F: (613) 254-8659 www.jdbarnes.com

DRAWN BY:	CHECKED BY:	REFERENCE NO.:
RP	SL	24-10-007-04
PLOTTED: 3/5/2024		DATED: 02/14/24

FILE: G:\24-10-007\04\Drawing\TOPO\24-10-007-04_TOPO.dgn

Appendix F Photolog

Phase One Environmental Site Assessment

Active Petro-Canada Retail Fuel Outlet No. 35197

4000 Riverside Drive, Ottawa, ON

Suncor Energy Products Partnership

SLR Project No.: 216.030059.00001

April 29, 2024

4000 Riverside Drive, Ottawa, Ontario – March 14, 2024

Photo 1: View within the carwash located in the southwestern portion of the Site facing north.

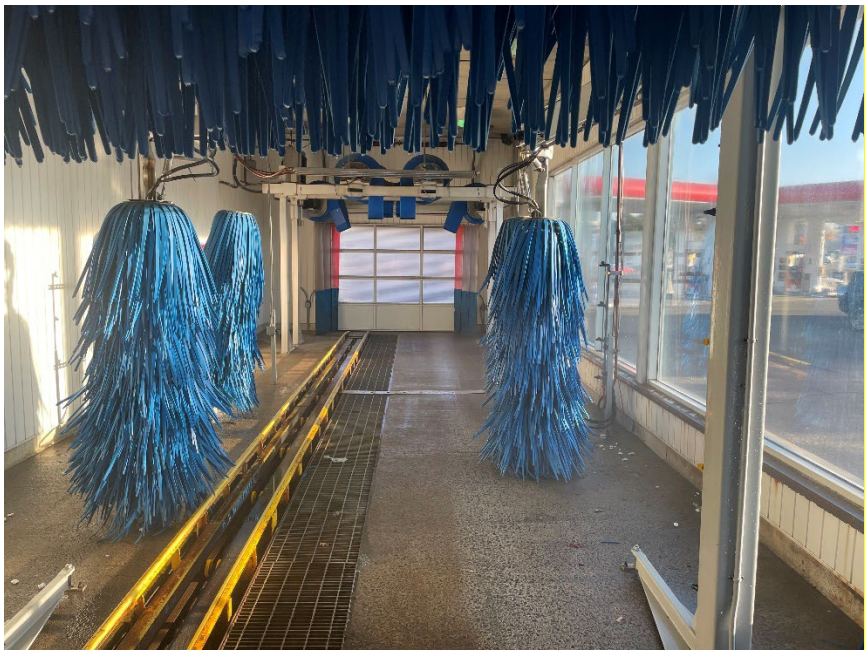


Photo 2: View of the utility room within the carwash located on the western portion of the building.

Photo 3: View of cleaner stored within the utility room for use in the carwash

Photo 4: View of various cleaning products within the utility room for use in the carwash

Photo 5: View of the Rideau River and the Hunt Club Road bridge facing westward from the northwest portion of the Site.

Photo 6: View of the service station looking west from the northeast corner of the Site.

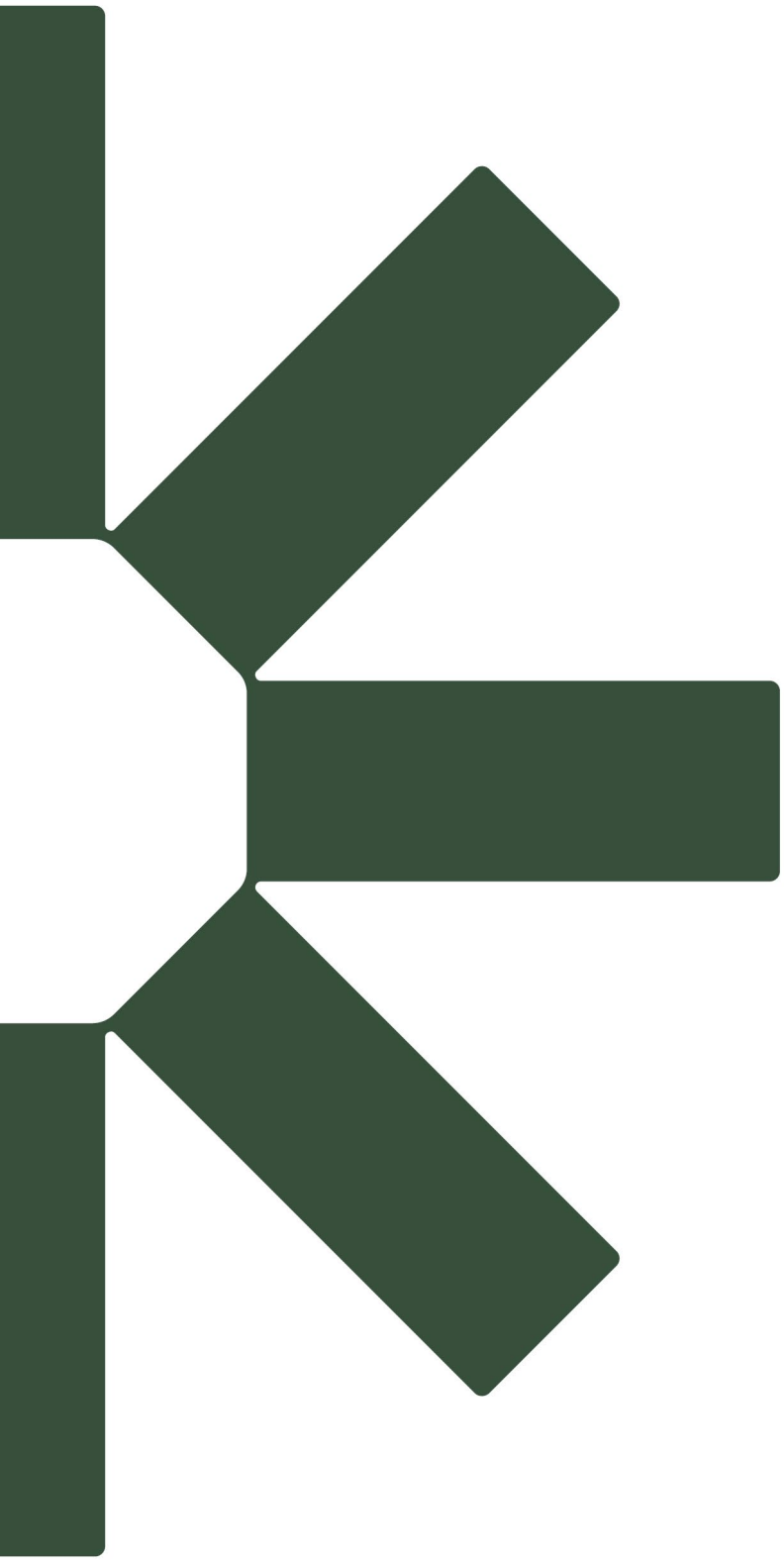
Photo 7: View of the concrete-mounted transformer looking west from the northeast portion of the Site.

Photo 8: View of the parking lot facing south from the northeast corner of the Site.

Photo 9: View of the concrete apron for the underground storage tanks looking west from the central portion of the Site.

Photo 10: View of the garbage disposal storage area on the southeastern side of the convenience store looking north.

Photo 11: View of the pump islands facing northeast from the south-central portion of the Site.



Making Sustainability Happen