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Phase One Environmental Site Assessment
Proposed Development
5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive
Ottawa, Ontario

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Submitted to:

Hazeldean Heights Inc.
5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive
Stittsville, Ontario
K2S 1H3

Phase One Environmental Site Assessment
Proposed Development
5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive
Ottawa, Ontario

September 26, 2025
Project: 104054.001

GEMTEC Consulting Engineers and Scientists Limited
32 Steacie Drive
Ottawa, ON, Canada
K2K 2A9

September 26, 2025 File: 104054.001

Hazeldean Heights Inc.
5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive
Stittsville, Ontario
K2S 1H3

Attention: Savage Development Inc.

Re: for the properties located at 5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive in Ottawa, Ontario Enclosed is our Phase One Environmental Site Assessment (ESA) report for the above noted property. The report presented herein is based on the scope of work outlined in the proposal dated November 28, 2024. This report was prepared by Nicole Soucy, M.A.Sc., P.Eng, QP_{ESA}, and reviewed by Daniel Elliot, P.Geo., QP_{ESA}.

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EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Hazeldean Heights Inc. to carry out a Phase One Environmental Site Assessment (ESA) in accordance with Ontario Regulation (O.Reg) 153/04, as amended, for the properties located at 5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive in Ottawa, Ontario (hereafter referred to as the "Site" or "Phase One Property"). It is understood that this Phase One ESA is required to support a residential development on the Site. Due to the historical use of the Phase One Property as a used car lot with a maintenance garage, the site is considered to be an enhanced investigation property, as defined under Ontario Regulation (O.Reg) 153/04.

The primary objective of this Phase One ESA was to identify any current and/or former potentially contaminating activities at the Site, as well as within the vicinity of the Site, to develop a preliminary determination of the likelihood of contamination in soil or groundwater which would result in the requirement of a Phase Two ESA. The general objectives were met through the evaluation of the information gathered from the records review, an interview, and a Site reconnaissance.

Six Areas of Potential Environmental Concern (APEC) were identified at the Site based on the Phase One ESA findings and is summarized below:

APEC 1 – Importation of Fill Material of Unknown Quality

Through the review of information, the Phase One Property was previously developed and the importation of fill material of unknown quality is likely. The COPCs are PHC, BTEX, PAHs, Metals, Hydride-Forming Metals (As, Se, and Sb), ORP (B, B-HWS, CN-, Cr(VI), Hg, pH, NA, Cl-) in soil.

APEC 2 – Use of de-icing salts

Through the review of historical property use and site interview, de-icing salts have been used on the Phase One Property. The COPCs are EC, and SAR in soil.

APEC 3 – Commercial autobody work at Westend Automotive

Through the review of information, Commercial autobody work occurs at Westend Automotive has occurred. The Site interviewee was not aware of any spills having occurred. The COPCs are Metals, PHCs, VOCs (including BTEX) in soil & groundwater.

APEC 4 – Maintenance Garage for Westend Automotive, with waste oil drums and oil water separator

Through the review of information, a current garage that provides automotive maintenance, waste oil drums and oil water separator was identified. The Site interviewee was not aware of any spills having occurred. The COPCs are Metals, PHCs, VOCs (including BTEX) in soil & groundwater.

APEC 5 – Multiple commercial/ industrial businesses east of the Phase One Property

Through the review of information, multiple commercial/ industrial businesses east of the Phase One Property were identified, including one adjacent to the Phase One Property. The Site interviewee was not aware of any spills having occurred. The COPCs are Metals, PHCs, VOCs (including BTEX) in soil & groundwater.

APEC 6 – A Gasoline Service Station with storage tanks and known contamination

Through the review of information, a gasoline service station with known contamination northwest of the site was identified. Through review, it was identified that only contaminated groundwater is known to be leaving the site, whereas contaminated soil is contained on the site. The COPCs are Metals, PHCs, BTEX in groundwater.

Based on the information obtained and reviewed as part of this Phase One ESA, six APECs were identified at the Phase One Property. Based on this, a Phase Two ESA would be required to support the development of the property, and submission of a Record of Site Condition (RSC).

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Hazeldean Heights Inc. to carry out a Phase One Environmental Site Assessment (ESA) in accordance with Ontario Regulation (O.Reg) 153/04, as amended, for the properties located at 5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive in Ottawa, Ontario (hereafter referred to as the "Site" or "Phase One Property"). It is understood that this Phase One ESA is required to support a residential development on the Site. Due to the historical use of the Phase One Property as a used car lot with a maintenance garage, the site is considered to be an enhanced investigation property.

Table 1.1 details the current land use of the Phase One Property, the adjacent properties, and other publicly accessible areas. The Phase One Property and the Phase One Study Area are provided on Figure A.1, Appendix A.

Table 1.1: Current Phase One Property and Adjacent Property Land Uses

Property Location	Civic Address/ General Location	Property Land Use	Property Details
Phase One Property	5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive	Commercial – Westend Automotive at 5872, 5880, and 5884 Hazeldean Road Residential at 7 Savage Drive	The Phase One Property consists of a land parcel approximately 0.64 hectares in size and currently occupied by Westend Automotive at 5872, 5880, and 5884 Hazeldean Road and a Residential dwelling at 7 Savage Drive.
North	Hazeldean Road Rowan Road Bradley Green Court	Community Roadways Residential Commercial	The Phase One Property is bound to the north by community Roadway, Hazeldean Road, along which lies multiple commercial businesses including an ESSO gas station. North of Hazeldean Road multiple residential dwellings are present along Rowan Road and Bradley Green Court.
East	5862, 5854 Hazeldean Road 3,5,7,8,9,11 Sweetnam Drive Sweetnam Drive Multiple along Succession Court, Cloverloft Crescent	Commercial/ Industrial Businesses Community Roadways Residential	The Phase One Property is bound to the east by commercial and industrial properties along Sweetnam Drive, a floodplain east of Swetnam Drive, and residential properties along Succession Court and Cloverloft Crescent.

Property Location	Civic Address/ General Location	Property Land Use	Property Details
South	Savage Drive Denham Way Iva Street	Community Roadways Residential	The Phase One Property is bound to the south by residential dwellings along Savage Drive, Denham Way, and Iva Street.
West	Savage Drive Rhonda Stewart Private Victor Street Denham Way	Community Roadways Residential	The Phase One Property is bound to the south by residential dwellings along Savage Drive, Denham Way, Rhonda Stewart Private, and Victor Street.

The Phase One ESA was conducted by GEMTEC staff members whose qualifications are provided in Appendix B.

1.1 Phase One Property Information

The Phase One Property consists of a land parcel approximately 0.7 hectares in size and currently occupied by a used car lot across 5872, 5880, and 5884 Hazeldean Road. A detached residential dwelling is present at 7 Savage Drive. Phase One Property features are shown on Figure A.2, Appendix A.

The details for the Phase One Property are mentioned in Table 1.2.

Table 1.2: Phase One Property Information

Phase One Property Information	
Legal Description	5872 Hazeldean Road: PART OF LOT 26, CONCESSION 11, BEING PART 2 ON 4R18441, OTTAWA. SUBJECT TO AN EASEMENT IN FAVOUR OF THE OWNERS OF PART OF LOT 26, CONCESSION 11, GOULBOURN, AS IN N587800 AS IN OC547267. 5880 Hazeldean Road: PART OF LOT 26 CONCESSION 11 GOULBOURN, PART 2 PLAN 4R20819; OTTAWA. T/W AN EASEMENT OVER PART 2 PLAN 4R18441 AS IN OC547267. 5882 Hazeldean Road: PART OF LOT 26, CONCESSION 11, GOULBOURN, AS IN CT248366 SAVE AND EXCEPT PART 1 ON PLAN 4R-27244; CITY OF OTTAWA. 7 Savage Drive: PT LT 26 CON 11 GOULBOURN AS IN N495055 ; GOULBOURN.

Phase One Property Information	
PIN	5872 Hazeldean Road: 04462-0719 (LT) 5880 Hazeldean Road: 04462-0733 (LT) 5882 Hazeldean Road: 04462-0744 (LT) 7 Savage Drive: 04462-0484 (LT)
Phase One Property Owner	5872 Hazeldean Road: 1030108 Ontario Inc. 5880 Hazeldean Road: 1030108 Ontario Inc. 5882 Hazeldean Road: 1030108 Ontario Inc. 7 Savage Drive: 12421178 Canada Inc. *Note: the ownership of properties will be updated following finalization of retail transaction by Savage Development Inc and his business 1727897 Ontario Inc. that is in the process of acquiring all four of the properties.*
Phase One Property Contact	Savage Development Inc rental1727@gmail.com

A copy of the title search for the Site is provided in Appendix C.

2.0 SCOPE OF THE INVESTIGATION

2.1 General Objectives

The Phase One ESA was conducted in accordance with O.Reg. 153/04, as amended. The objectives of the Phase One ESA were:

- To develop a preliminary determination of the likelihood of contamination in soil or groundwater by identifying and documenting current and historical environmental conditions and operations or practices at the Phase One Property; and,
- To determine if such operations or practices result in any Areas of Potential Environmental Concern (APECs) on the Phase One Property.

The general objectives were met through the evaluation of the information gathered from the review of historical records and available documents, an interview, and a Site reconnaissance. Specific objectives for these components and the tasks completed to achieve these objectives are described below.

2.2 Records Review

A review of information was conducted to identify actual or potential sources of contamination at the Phase One Property and within the Phase One Study Area from the following sources:

- Bedrock and Overburden Geology Maps – Overburden and bedrock geology maps, provided by Natural Resources Canada, were reviewed to identify the underlying soil deposits and bedrock types;
- Chain of Title – A chain of title abstract for the Phase One Property was obtained through Environmental Risk Information Services (ERIS). A copy of the title abstract is provided in Appendix C;
- Fire Insurance Maps and Insurance Reports – A copy of the Fire Insurance Maps and Insurance Report confirmation of "No Records Found" is provided in Appendix D;
- ERIS Databases – The ERIS report searches 73 public and private information databases to identify potential environmental concerns. An ERIS report was obtained for the Phase One Property and Phase One Study Area. A copy of the ERIS Report is provided in Appendix E;
- City Directories – A City Directory Report was requested from ERIS for the Phase One Property and surrounding properties within the Phase One Study Area. A copy of the City Directory Report is provided in Appendix F;
- A records search was requested from the Technical Standards and Safety Authority (TSSA) for 7 Savage Drive, 5862, 5872, 5879, 5877, 5880, 5883, 5884, 5899 Hazeldean Road, and 3 Sweetnam Drive. Records for liquid fuel storage tanks were available for 5899 Hazeldean Road. The TSSA search results are provided in Appendix G;
- Freedom of Information (FOI) - A FOI request for records on the Phase One Property was sent to the MECP a response was issued December 19, 2024. FOI responses consist of information obtained from documents and records from the Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch (EMRB), Environmental Investigations and Enforcement Branch (EIEB) and Safe Drinking Water Branch (SDW) – the response is provided in Appendix H;
- GeoOttawa and National Air Photo Library (NAPL) Aerial Photographs – Aerial photographs from the years 1945, 1959, 1976, 1991, 2002, 2008, 2011, 2024 were available for review. They were reviewed for the Phase One Property and Phase One Study Area to identify APECs resulting from historical land uses. The aerial photographs from NAPL can be found in Appendix I, GeoOttawa photos are publicly available;
- Well Records - The Ministry of Environment, Conservation and Parks (MECP) Well Records for the Phase One Property and the Phase One Study Area were reviewed;
- "Map of Federal Contaminated Sites Inventory" prepared by Treasury Board of Canada Secretariat was reviewed;
- "Ontario Inventory of PCB Storage Sites" dated January 1992 and prepared by Ontario Ministry of the Environment (Waste Management Branch) was reviewed;
- "Old Landfill Management Strategy – Phase 1 – Identification of Sites, City of Ottawa, Ontario" dated October 2004 and prepared by Golder Associates Ltd. was reviewed; and,
- "Small Landfill Sites List" and "Large Landfill Sites List" as prepared by the Ontario Ministry of the Environment, Conservation, and Parks was reviewed.

2.3 Interview

The objective of the interview was to assist in the identification of potentially contaminating activities (PCAs) that may have led to APECs at the Phase One Property. Savage Development Inc, Future owner for the Phase One Property, was interviewed on January 14, 2025.

2.4 Site Reconnaissance

The Phase One Property was visually assessed to document current conditions and to evaluate the potential for environmental impacts to on-Site soil and groundwater. The Phase One Property was also inspected to identify if any possible preferential pathways such as underground utilities exist on the Phase One Property that may affect the fate, transport, and distribution of contaminants. Adjacent and neighbouring properties within the Phase One Study Area were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the Phase One Property. A photo record of important Site features is provided in Appendix J.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

The Phase One Property is located at the municipally addresses: 5872, 5880, and 5884 Hazeldean Road and 7 Savage Drive in Ottawa, Ontario. The Phase One Property has an area of approximately 0.7 hectares (7,000 m^2).

Based on the available aerial photographs, the Phase One Property was first developed with residential structures between 1945 and 1959 with further development through 1976 – the site was redeveloped for the current commercial uses between 2002 and 2011, while 7 Savage Avenue remained residential. Historical land use in the Phase One Study Area was predominately agricultural, rural residential with community use roadways.

Considering this information, a Phase One Study Area of 250 metres (m) surrounding the Phase One Property is considered sufficient for the purpose of this Phase One ESA. The location of the Phase One Property and the extent of the Phase One Study Area, are provided on Figure A.1, Appendix A.

3.1.2 First Developed Use Determination

Based on the available aerial photographs, the Phase One Property was developed between 1945 and 1976, at which time four residential dwellings are present across the Phase One Property.

3.1.3 Fire Insurance Plans and Reports

A search of Fire Insurance Plans and insurance reports was completed for the Phase One Property and Phase One Study Area. No Fire Insurance plans or reports were available for the

Phase One Property and Phase One Study Area, a copy of the OPTA Information Intelligence search is included in Appendix D.

3.1.4 Chain of Title

The legal description and the PIN for the land parcels included in the Phase One Property are:

- 04462-0719 (LT)
  - PART OF LOT 26, CONCESSION 11, BEING PART 2 ON 4R18441, OTTAWA. SUBJECT TO AN EASEMENT IN FAVOUR OF THE OWNERS OF PART OF LOT 26, CONCESSION 11, GOULBOURN, AS IN N587800 AS IN OC547267.
- 04462-0733 (LT);
  - PART OF LOT 26 CONCESSION 11 GOULBOURN, PART 2 PLAN 4R20819; OTTAWA. T/W AN EASEMENT OVER PART 2 PLAN 4R18441 AS IN OC547267.
- 04462-0744 (LT);
  - 5882 Hazeldean Road: PART OF LOT 26, CONCESSION 11, GOULBOURN, AS IN CT248366 SAVE AND EXCEPT PART 1 ON PLAN 4R-27244; CITY OF OTTAWA;; and,
- 04462-0484 (LT);
  - PT LT 26 CON 11 GOULBOURN AS IN N495055 ; GOULBOURN.

A summary of the chain of title information is presented in Table 3.1 through 3.4.

Table 3.1: Summary of Chain of Title – 5872 Hazeldean Road

Year	Owner	Description of Property Use	Property Use
1824-1840	James Roe	Unknown	Agricultural/Other
1840-1875	Robert Roe and William Row	Unknown	Agricultural/Other
1875-1894	David Martin	Unknown	Agricultural/Other
1894-1903	Charles Martin	Unknown	Agricultural/Other
1903-1913	William Savage	Unknown	Agricultural/Other
1913-1921	William J Savage	Unknown	Agricultural/Other
1921-1943	Albert J. Savage	Unknown	Agricultural/Other
1943-1955	William A. Savage	Unknown	Agricultural/Other
1955-1962	Lynden Milligan & Iris Milligan	Unknown	Agricultural/Other

Year	Owner	Description of Property Use	Property Use
1962-1969	Derrick Woodward	Unknown	Agricultural/Other
1969-1988	Derrick Woodward & Edith Woodward	Residential	Residential
1988-1992	Irene Merilyn Herbert	Residential	Residential
1992-1996	John Sidney Bradley	Residential	Residential
1996-2002	Franco Cantusci & Margaret Cantusci	Residential	Residential
2002-2005 (Present Owner)	1030108 Ontario Inc	Residential Westend Automotive	Residential Commercial
2005 (Easement)	Patrick Joseph Baril & Claire Ruth Baril	Westend Automotive	Commercial

Table 3.2: Summary of Chain of Title– 5880 Hazeldean Road

Year	Owner	Description of Property Use	Property Use
1824-1840	James Roe	Unknown	Agricultural/Other
1840-1875	Robert Roe & William Roe	Unknown	Agricultural/Other
1875-1894	David Martin	Unknown	Agricultural/Other
1894-1903	Charles Martin	Unknown	Agricultural/Other
1903-1913	William Savage	Unknown	Agricultural/Other
1913-1921	William J. Savage	Unknown	Agricultural/Other
1921-1943	Albert J. Savage	Unknown	Agricultural/Other
1943-1954	William A. Savage	Unknown	Agricultural/Other
1954-1956	Edwin Hagerty	Unknown	Agricultural/Other
1956-1981	Clifford A. Graham & Velma Graham	Residential	Residential
1981	Ian A. Macdonald & Rita Macdonald	Residential	Residential
1981-1991	Linda Kuhnle	Residential	Residential

Year	Owner	Description of Property Use	Property Use
1991-2005	August Brekalo & Mara Brekalo	Residential	Residential
2008-2008	Patrick Joseph Baril & Claire Ruth Baril	Westend Automotive	Commercial
2008-Present	1030108 Ontario Inc	Westend Automotive	Commercial

Table 3.3: Summary of Chain of Title – 5884 Hazeldean Road

Year	Owner	Description of Property Use	Property Use
1824-1840	James Roe	Unknown	Agricultural/Other
1840-1875	Robert Roe & William Row	Unknown	Agricultural/Other
1875-1894	David Martin	Unknown	Agricultural/Other
1894-1903	Charles Martin	Unknown	Agricultural/Other
1903-1913	William Savage	Unknown	Agricultural/Other
1913-1921	William J. Savage	Unknown	Agricultural/Other
1921-1943	Albert J. Savage	Unknown	Agricultural/Other
1943-1956	William A. Savage	Unknown	Agricultural/Other
1956-1960	McGill A. Abard	Unknown[1]	Agricultural/Other
1960-1967	Alfred Auger & Delina Auger	Unknown[1]	Agricultural/Other
1967-1977	Robert D. Townson	Residential	Residential
1977-2007	Robert Douglas Townson & Deltrye Lynn Townson	Residential	Residential
2007-2008	1030108 Ontario Inc. & Patrick Joseph Baril	Residential	Residential
2008-Present	1030108 Ontario Inc.	Westend Automotive	Commercial

Notes:

[1] Portions of the Phase One Property were developed during this period, however, no evidence of a residence was observed in the 1959 aerial photograph. The next available aerial photograph was in 1976. Therefore, development could not be confirmed prior to 1976.

Table 3.4: Summary of Chain of Title – 7 Savage Drive

Year	Owner	Description of Property Use	Property Use
1824-1840	James Roe	Unknown	Agricultural/Other
1840-1875	Robert Roe & Willaim Roe	Unknown	Agricultural/Other
1875-1894	David Martin	Unknown	Agricultural/Other
1894-1903	Charles Martin	Unknown	Agricultural/Other
1903-1913	William Savage	Unknown	Agricultural/Other
1913-1921	Willaim J. Savage	Unknown	Agricultural/Other
1921-1943	Albert J. Savage	Unknown	Agricultural/Other
1943-1957	William A. Savage	Unknown	Agricultural/Other
1957-1964	Brian H. King	Residential	Residential
1964-1984	Alberta D. King	Residential	Residential
1984-1989	Thomas John Moffatt & Linda Jean Moffatt	Residential	Residential
1989-1996	Linda Jean Moffatt	Residential	Residential
1996-2014	Terrence Lionel Corcoran & Hila Lionel Corcoran	Residential	Residential
2014-2021	Terrence Lionel Corcoran	Residential	Residential
2021-August 28, 2025	12421178 Canada Inc	Residential	Residential
August 28-2025 - Present	Savage Developments Inc.	Vacant	Agricultural/Other

3.1.5 Historical Reports

The following two reports were provided for review:

- *Final Phase I Environmental Site Assessment, 5872, 5880 and 5884 Hazeldean Road, Ottawa, Ontario*. Prepared by Pinchin Ltd. Dated May 22, 2024.
- *Phase II Environmental Site Assessment, 5872, 5880 and 5884 Hazeldean Road, Ottawa, Ontario*. Prepared by Pinchin Ltd. Dated June 25, 2024.

Salient information from each of the reports is summarized below.

Phase I Environmental Site Assessment, 5872, 5880 and 5884 Hazeldean Road, Ottawa, Ontario

The Phase I ESA detailed that two potential issues of environmental concern were identified that could results in subsurface impacts, including one active oil water separator on-site, and an off-site retail fuel outlet located at 5899 Hazeldean Road. The report concluded by recommending that a Phase II ESA be completed at the site to investigate the above-noted potential issues of environmental concern.

Phase II Environmental Site Assessment, 5872, 5880 and 5884 Hazeldean Road, Ottawa, Ontario

Two boreholes both completed as monitoring wells were advanced at the site to support soil and groundwater investigation of the potential environmental concerns identified in the Phase I ESA. Select “worst case” soil samples were collected during drilling for analysis of petroleum hydrocarbons fractions F1 to F4 (PHCs F1-F4), volatile organic compounds (VOCs), and polycyclic aromatic hydrocarbons (PAHs) – groundwater samples were also collected and analyzed for the same set of parameters.

Based on consideration of site-specific information, Ministry of the Environment Conservation and Parks (MECP) Table 7 Site Condition Standards (SCS) Generic Site Condition Standards for Shallow Soils in a Non-Potable Ground Water Condition was selected for the site. Soil and groundwater analytical results satisfied the MECP Table 7 SCS for all parameters analyzed. The report concluded indicating that it is Pinchin Ltd.’s opinion that no further subsurface investigation was required for the site at this time.

It is noted that both of the aforementioned reports were completed for only 5872, 5880, and 5884 Hazeldean Road (not including 7 Savage Road) to the Canadian Standards Association (CSA) standard.

3.2 Environmental Source and Regulatory Information

3.2.1 ERIS Database Report

GEMTEC contacted ERIS to conduct a search of 73 public and private information databases for the Phase One Property and the Phase One Study Area. The complete ERIS report, including a list of databases searched, is provided in Appendix E. All listings were reviewed, the salient records are provided in Table 3.5.

Table 3.5: Summary of ERIS report

Address/ Location	PCA ID	Distance from Phase One Property	Company/ Name	Database	Description
5862 Hazeldean Road	10	Adjacent east	2316984 Ontario Inc, CDS Building Movers	EASR, GEN	Registered as an automotive refinishing facility. With registered wastes including oils/sludges (petroleum based) and inorganic sludges, slurries, or solids.
5899 Hazeldean Road	28	50 metres west	Mr. Gas Limited	PRT, FSTH, RST, FST	Location was listed as a gasoline, oil and natural gas service station. With 11 tanks ranging between 13,500 and 35,000 Liter (L) underground storage tanks (USTs) installed in 1990/91, all of which have since been recorded as expired. The contents of the USTs were gasoline, diesel, and other. In 2019 two additional 65,000 L and 35,000 L double walled USTs were installed. The contents of the USTs were gasoline and diesel.
2 Bradley Green Court	28, Ot#1	65 metres north	Private Residence	SPL, GEN	An unknown volume of fuel was released from a tank in 2002 – nature of impact was identified as possible soil contamination. Light fuel wastes were registered in 2002, 2003, and 2004.
7 Sweetnam Drive	40	70 metres southeast	Kodiak	PES, GEN	Kodiak holds a legacy pesticide license #08808 & #07761, with organic laboratory chemicals wastes.
5 Bradley Green Court	28, Ot#1	80 metres north	Private Residence	SPL	Approximately 125 litres of fuel was released from a furnace oil tank in 1994 – nature of impact was identified as possible soil contamination.

Address/ Location	PCA ID	Distance from Phase One Property	Company/ Name	Database	Description
13 Rowan Road	28, Ot#1	80 metres southeast	Private Residence	SPL	Approximately 700 litres of fuel was released from a furnace oil tank in 1994 – nature of impact was confirmed soil contamination.
12 Rowan Road	28, Ot#1	115 metres north	Private Residence	SPL	Approximately 4 litres of fuel was released from a furnace oil tank in 1993 – nature of impact was confirmed soil contamination.
20 Savage Drive	28, Ot#1	135 metres south	Private Residence	SPL	Approximately 300 litres of fuel was released from a furnace oil tank in 1995 – nature of impact was confirmed soil contamination.
Hazeldean Road at Johnwood Street	Ot#1	135 metres west	Intersection	SPL	An unknown volume of oil was released to a catch basin due to a motor vehicle accident.
62 Bradley Green Crescent	Ot#1	150 metres north	CDS Rental Service Ltd. – Trailer Park	SPL, GEN	Approximately 300 litres of fuel released from a vandalized gas pump at Campbells Landing Marina.
18 Bradley Green Crescent	28, Ot#1	155 metres north	Private Residence	SPL, GEN	Two spills were reported in 2003 and 2009. In 2003 an unknown volume of furnace oil from a tank was noted as not anticipated soil contamination. In 2009 an unknown volume of furnace oil from a tank was noted as watercourse spills.
5938 Hazeldean Road	28	160 metres southwest	SAAB Gas Center/ National Petroleum/ Hazeldean Crossing	RST, FSTH, GEN, RSC,	Location was listed as a gasoline, oil and natural gas service station. Multiple underground storage tanks were registered on the site through 1990 and subsequently expired. A record of site condition was filed in 2021.

Address/ Location	PCA ID	Distance from Phase One Property	Company/ Name	Database	Description
52 Bradley Green Crescent	Ot#1	170 metres north	Private Residence	SPL, HINC	An unknown quantity of stove oil was released in 1996 – nature of impact was possible soil contamination.
11 Sweetnam Drive	10	195 metres southeast	CDS Store All Ltd./ 1828472 Ontario Inc.	EASR, GEN	Registered as an automotive refinishing facility. With registered wastes including oils/sludges (petroleum based).
27 Bradley Green Crescent	28, Ot#1	215 metres north	Private Residence	SPL, HINC	Approximately 75 litres of fuel oil was released from a furnace oil tank in 2007 – receiving medium was land.

Notes:

10. Commercial Autobody Shops
28. Gasoline and Associated Products Storage in Fixed Tanks
40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
Ot#1. Spill
DTNK: Delisted Fuel Tanks
EASR: Environmental Activity and Sector Registry
FST: Fuel Storage Tank
FSTH: Fuel Storage Tank - Historic
GEN: Ontario Regulation 347 Waste Generators Summary
HINC: TSSA Historic Incidents
PES: Pesticide Register
PRT: Private and Retail Fuel Storage Tanks
RSC: Record of Site Condition
RST: Retail Fuel Storage Tanks
SPL: Ontario Spills

No additional records were identified within the Phase One study area after the review of the unplottable report summary as they could not be confirmed with the Study Area or on the Phase One Property.

3.2.2 City Directory

A review of the city directories from 1960, 1966, 1971, 1976, 1981-82, 1987, 1991, 1994, 1997, 2000, 2006-07, 2012, 2017, 2021, 2023 was completed for the Phase One Property and several adjacent properties. A copy of the City Directory records is provided in Appendix F. PCAs identified during the City Directory are summarized in Table 3.6.

Table 3.6: Summary of City Directory

Year	Address/ Location	PCA ID	Distance from Phase One Property	Details
2012, 2017, 2021, 2023	5872 Hazeldean Road	Ot#3	On-Site	Listed as Westend Automotive.
1997, 2000, 2006-07, 2012, 2017, 2021, 2023	5862 Hazeldean Road	10, Ot#3	Adjacent east	Listed as Kanata Collision, Stittsville Auto Glass Ltd., and Lindron Equipment Inc.
1997, 2000	2 Savage Drive	Ot#3	10 metres west	Listed as MacDougall Sales & Service.
2000, 2006-07, 2012, 2017, 2021, 2023	5899 Hazeldean Road	28	50 metres west	Listed as Mr. Gas Ltd.
1997, 2000, 2006-07, 2012, 2017, 2021, 2023	7 Sweetnam Drive	10, 59, Ot#3	70 metres southeast	Listed as Denis's Auto Centre, Centurm glass & Doors, Miniman used car lot, Canadian Express Repair, and Ottawa Cove Crown Moulding.
1997, 2000, 2006-07, 2012, 2017, 2021, 2023	11 Sweetnam Drive	10, Ot#2, Ot#3	195 metres southeast	Listed as Abbotsford Truck Repairs, Jim's /hi tech Auto Repairs Inc., Autovatoin Inc., Coney Small engine Repair, Rust Block, and Erchon Welding Inc.
1997, 2000, 2006-07	5938 Hazeldean Road	28	215 metres southwest	Listed as ESSO (Imperial Oil), Genuine Automotive Service, Saab Gas Centre, and Penske Truck Rentals.
1997, 2000, 2006-07, 2012, 2017, 2021, 2023	15 Sweetnam Drive	10, 33, Ot#3	240 metres southeast	Listed as Hazeldean Auto Service Inc., Dependable Bodyworks, #607 Cromack Meals, Tim Benger Painting, and Pearl Auto Care.

Notes:

10. Commercial Autobody Shops
28. Gasoline and Associated Products Storage in Fixed Tanks
33. Metal Treatment, Coating, Plating and Finishing

59. Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
Ot#2. Small Engine Repair
Ot#3. Automotive Sale and Service (Including Automotive Garage)

3.2.3 Technical Safety and Standards Association

The Technical Standards and Safety Authority (TSSA) was contacted on December 2, 2024, and record were searched for tanks and elevating devices at 7 Savage Drive, 5862, 5872, 5879, 5877, 5880, 5883, 5884, 5899 Hazeldean Road, and 3 Sweetnam Drive. Records for liquid fuel storage tanks were available for 5899 Hazeldean Road and were ordered.

Following the review of the ERIS database report an additional search request was sent to the TSSA on December 4, 2024 for 5938, 5943 Hazeldean Road. Records for liquid fuel storage tanks were available for both 5938 and 5943 Hazeldean Road, however records were only ordered for 5938 Hazeldean Road as upon further review 5943 Hazeldean Road was outside of the Study Area and therefore not warranted to be included.

5899 Hazeldean Road Records Summary:

- Multiple underground storage tanks (USTs) installed in 1990, 1991, and 2019, including one 65,000 litre (L), two 35,000 L, and five 13,500 L tanks (Note: Four of these five tanks were also reported as being 13,600 L in a duplicate record – it is unclear which is correct) – the tanks were single walled steel with anode tank protection. Piping material was double walled and upgraded to flex in 2005. Further two new double walled fiberglass USTs were installed in 2019. Tanks were used for gasoline and diesel fuels.
- The following reports were available for review:
    - A 2019 report entitled Underground Storage Tank Removal & Environmental Site Remediation Verification Soil Testing, completed by LRL Associated Ltd. (LRL).
    - A 2020 report entitled Petroleum Hydrocarbon Contamination Delineation – Mr. Gas Gasoline Service Station, 5899 Hazeldean Road, Stittsville, completed by LRL.
    - A 2021 report entitled Petroleum Hydrocarbon Contamination Delineation – Mr. Gas Gasoline Service Station, 5899 Hazeldean Road, Stittsville, Ontario completed by LRL.
- The most recent report indicated four new boreholes completed as monitoring wells were advanced on the site in order to investigate the potential remaining soil and groundwater impacts, as summarized:
    - Based on a review of the report, PHCs, VOCs, and lead were not detected above the applicable standards in the soil samples submitted form the four new boreholes, however previous investigations summarized that petroleum-impacted soils remain within existing excavations. The 2021 soil data confirms that the soil impacts are limited to the site and do not extent off site to the east or south.

    - Laboratory analysis of overburden groundwater collected from the site identified that petroleum-based parameters were not detected in all but one monitoring well location. The report indicated that based on this exceedance it is possible that the groundwater PHC impacts are present off-site and into the City of Ottawa's (City's) Hazeldean Road Roadway.
- Multiple TSSA reports were reviewed detailing the reports as outlined above and includes various inspections and recommendations from 2010 through 2022.

PCAs identified:

- #28. Gasoline and Associated Products Storage in Fixed Tanks.

5938 Hazeldean Road Records Summary:

- Multiple underground storage tanks (USTs) installed in 1990, including two 36,000 L, two 13,600 L and four 9,000 L tanks – the tanks were steel with anode tank protection. Tanks were used for gasoline and diesel fuels.
- Multiple TSSA reports were reviewed and includes various inspections from 2013 through 2016 – records related to underground storage tanks being removed from the site, which must be completed within two years of inactivity.

PCAs identified:

- #28. Gasoline and Associated Products Storage in Fixed Tanks.

The TSSA search results, and associated ordered documents are provided in Appendix G.

It should be noted that the Fuels Safety Division of the TSSA did not register private fuel underground or aboveground storage tanks (ASTs) prior to January of 1990 or furnace oil tanks prior to May 1, 2002.

3.2.4 Freedom of Information

A FOI request for records on the Phase One Property was sent to the MECP. A response was received in December 2024, the FOI record indicated that after a thorough search through the ministry files, no records were located.

A copy of the FOI response is provided in Appendix H.

3.2.5 Mapping of Federally Contaminated Sites

A Government of Canada, Treasury Board of Canada Secretariat, interactive map illustrating the database of over 4,000 federally contaminated sites was reviewed. The database did not identify any federally owned contaminated sites within the Phase One Study Area.

3.2.6 Ontario Inventory of PCB Storage Sites

The Waste Management Branch of the MECP published a report titled “Ontario Inventory of PCB Storage Sites” in October 1991. The publication includes information of PCB storage sites collected under O.Reg. 11/82 through MECP district and regional offices. The database did not identify any PCB storage sites located on-Site or within the Phase One Study Area.

3.2.7 Landfills

The MECP published maps entitled “*Small Landfill Sites List*” and “*Large Landfill Sites Map*” published March 2014 – Updated October 2021. The publication includes information to identify old landfill sites for potential environmental considerations within the boundary of the province of Ontario. No landfills were identified at the Site or within the Phase One Study Area.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Selected aerial photographs were examined as part of this Phase One ESA. The copies of the aerial photographs are provided in Appendix I, or publicly available through GeoOttawa and Google Earth®.

Aerial photographs were obtained at regular intervals and were selected based on suitable scales for analysis and coverage area. The earliest aerial photograph obtained was from 1945. Observations made with respect to the selected aerial photographs are discussed in Table 3.7.

Table 3.7: Summary of Aerial Photograph Review

Date	Photograph Number	Observations
1945	National Air Photo Library (NAPL) – Ordered through ERIS	The Phase One Property appears to be used as an agricultural field. In the Study Area community use roadways: Hazeldean Road is visible north of the Phase One Property, Johnwoods Street is present west of the Phase One Property. The majority of the Study Area around the Phase One Property appears to be agricultural with some rural residential, and undeveloped lands.
1959	National Air Photo Library (NAPL) – Ordered through ERIS	Development was observed on the Phase One with two structures in the northern central area of the site, and one in the southern area. These likely represent 5880 and 5872 Hazeldean Road and 7 Savage Drive, respectively. In the study area, significant commercial and residential development has occurred north and south of the Phase One Property along what is currently known as Hazeldean Road, Johnwoods Street, Savage Drive, Rowan Road, and Bradley Green Court.
1976	Geo-Ottawa	What appears to be three residential structures can be seen at 5884, 5880, and 5872 Hazeldean Road fronting along the roadway. A residential structure is present at 7 Savage Drive.

Date	Photograph Number	Observations
		Significant commercial and residential development have occurred in the Study Area. Including commercial development north of the Phase One Property.
1991	Geo-Ottawa	No significant changes to the Phase One Property compared to the 1976 aerial photograph. What appears to be a gas station has been developed at 5899 Hazeldean Road west of the Phase One Property.
2002	Geo-Ottawa	The property at 5872 Hazeldean Road has a large structure developed in the southeastern portion of the property parcel. 5880, 5884 Hazeldean Road and 7 Savage Drive remain unchanged. What appears to be a gasoline service station can be seen at 5924 Hazeldean Road southwest of the Phase One Property.
2008	Geo-Ottawa	The property at 5872 and 5880 Hazeldean Road been paved and there are multiple cars parked, the residential structure previously present at 5880 Hazeldean Road has been demolished – it is likely the site has begun to be used as the used car lot currently on-site. 5884 Hazeldean Road and 7 Savage Drive remain unchanged. No significant changes to the Study Area compared to the 2002 aerial photograph.
2011	Geo-Ottawa	The property at 5884 Hazeldean Road been paved and there are multiple cars parked, the residential structure previously present at 5884 Hazeldean Road has been demolished – it is likely the site is being used as the used car lot currently on-site. 7 Savage Drive remains unchanged. No significant changes to the Study Area compared to the 2008 aerial photograph.
2024	Geo-Ottawa	No significant changes to the Phase One Property compared to the 2011 aerial photograph. No significant changes to the Study Area compared to the 2011 aerial photograph.

Based on a review of aerial photographs, the following PCAs were identified:

- #10. Commercial Autobody Shops;
- #28. Gasoline and Associated Products Storage in Fixed Tanks (5924, 5899 Hazeldean Road); and,
- #30. Importation of Fill Material of Unknown Quality Across the whole Phase One Property.

3.3.2 Topography and Hydrogeology

The Phase One Property has a relatively flat topography and is at an elevation between 105 and 112 metres (m) above sea level (asl). Surrounding local topography generally slopes gradually downwards towards the unnamed creek, which is located approximately 190 metres to the east of the Phase One Property.

Groundwater flow often reflects topographic features and typically flows towards nearby lakes, rivers, and wetland areas. Based on the topography and hydrogeological features, it is anticipated that local shallow groundwater would flow eastwards.

3.3.3 Surficial and Bedrock Geology

Surficial and bedrock geology maps of the area indicate that the overburden in the vicinity of the Phase One Property generally consists of till, further defined as stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain, with a thickness ranging from 0 to 3 m. The bedrock under the Phase One Property is mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and Shadow Lake Formation.

Based on the Southern Ontario Karst Maps from the Ontario Geological Survey, the area of the Phae One Property is considered to be an area of ‘potential’ and ‘inferred’ karst, and as such, it is understood that karst formations (i.e. underground caves and/or voids occurring as a result of dissolution of bedrock due to water) within the soil and bedrock are possibly present in the vicinity of the Phase One Property.

3.3.4 Fill Materials

The Phase One Property has been previously developed and used both residentially and commercially – as no documents are available to confirm the quality of soil used during development or re-development, fill of unknown quality is likely to be present on the Phase One Property.

3.3.5 Waterbodies and Areas of Natural Significance

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the Phase One Property or within the Phase One study area.

3.3.6 Well Records

Well records were reviewed for the Phase One Property and Phase One Study Area. Well records were available through the MECP Wells database. A total of 52 well records were identified with installation dates between 1950 to 2011. Wells were classified predominantly as domestic water wells and monitoring/test well.

3.4 Site Operating Records

Site operating records were requested, no records relating to operations at the Phase One Property were available.

4.0 INTERVIEW

The owner of Hazeldean Heights Inc., who wishes to remain anonymous, was interviewed during the site reconnaissance by the GEMTEC site assessor on January 14, 2025. The owner is also a local resident. A summary of the information provided during the interview is presented below.

The owner indicated the following information:

- The current zoning is mixed Commercial/Residential (GM – General Mixed-Use Zone);
- The Site is currently used commercially by Westend Automotive and residentially at 7 Savage;
- Three buildings are present on Site, one is an office building, one is a maintenance garage for Westend Automotive, and the last is a residential building;
- Waste oil drums were present in a fenced in area along the eastern boundary of the Site, waste oil drums were 60 L maximum and once filled are picked up by the waste contactors – no records from the waste contractors were available. Solid waste is also present within the fenced area, which is picked-up weekly.
- The Site is serviced by municipal water, sewer, electrical and natural gas services – the current owner of Westend Automotive, also installed an overflow water system on Site which is present along the western boundary;
- Future land use of the Site is proposed to be residential;
- A sump pump was present in the structure used as an office on site;
- There was an oil water separator present in the western area of the garage building on the Site;
- Historically, a gas station was present southwest of the site, this area was developed residentially and is now municipally addressed as residential along Rhonda Stweart Private;
- Two gas furnaces are present on site, one in each of the structures, these were the original source of heating to the best of Mr. Sarma's knowledge;
- There are no generators on the Site;
- No historical spills were reported at the Site; and,
- He was not aware of any other environmental concerns related to the Site.

4.1 Assessment and Evaluation of Interview

The interview with Savage Development Inc is consistent with historical records and other information sources.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

A Site reconnaissance was carried out between 1:00PM and 2:30PM on January 14, 2025. The weather at the time of the Site reconnaissance was overcast with a temperature of approximately -6 °C.

The Site reconnaissance was completed by Ms. Nicole Soucy, M.A.Sc, P.Eng, of GEMTEC. The Site reconnaissance was completed to determine if there were visually observable environmental concerns with the Phase One Property and/or surrounding properties within the Phase One Study Area.

5.2 Site Photographs

Photographs of the Phase One Property were taken during the Site reconnaissance to document the general condition of the Phase One Property. The relevant photographs are presented in Appendix J. A description of the photographs is provided in Table 5.1.

Table 5.1: Summary of Site Photographs

Photo Number	Compass Orientation	Description
1	Northeast	View of the Phase One Property on the Westend Automotive lot looking towards all three onsite structures.
2	East	Photo of the residential structure at 7 Savage Drive.
3	Southeast	Photo of the structure currently used as a maintenance garage for Westend Automotive.
4a, 4b	Northeast, Northwest	Photo of oil waste drums, and solid waste from Westend Automotive along the northern boundary of 5872 Hazeldean Road.
5a, 5b	North, Northwest	Gas cannisters, paints, and lubricants stored in the basement of the Westend Automotive office building.
6	East	Photo of the sump pump present in the basement of the Westend Automotive office building.
7a, 7b	Southeast, Southeast	Areas of tire storage present on the property at 5872 Hazeldean Road.
8a, 8b, 8c, 8d	Southeast, Southwest, Southeast, Northeast	Photos from inside the Westend Automotive garage building at 5872 Hazeldean Road. The photographs illustrate the hydraulic lift, drain, multiple tools, oils, lubricants and other materials ritually used for vehicle maintenance. Note: No photo of the oil water separator is available since it was floored over and not accessible.

Photo Number	Compass Orientation	Description
9a, 9b, 9c, 9d	Northwest, Southeast, Northwest, Northeast	Multiple services present on the site and within the study area.
10a, 10b	Northwest, Northeast	Adjacent property uses including an ESSO gas station to the north (just north of Hazeldean Road), and Canadian Express Repair Cosmetic Repair & Auto Glass (along Sweetnam Drive).
11a, 11b	East, Southwest	Transformers identified within the study area, a pole mounted transformer was identified along the ditch line of the property intersection of the 7 and 9 Savage Drive and a pad mounted transformer was identified in the residential area along Rowan Drive in the north of the Study area. No staining was observed.

5.3 Specific Observations at Phase One Property

5.3.1 On-Site Structures

Three structures were present on the Phase One Property at the time of the Site investigation, below is a summary of each structure:

- One structure with a basement present in the northern area of 5872 Hazeldean Road used as an office for Westend Automotive.
- One structure in the southeastern area of 5872 Hazeldean Road used as a maintenance garage by Westend Automotive; and,
- One structure in the western area of 7 Savage Drive currently used as a residential dwelling.

5.3.2 Observations

The following observations were made for the Phase One Property:

- There are three buildings are present on Site, one an office building and one a maintenance garage for Westend Automotive, both are located on the municipally addressed property of 5872 Hazeldean Road. The last building is a residential dwelling located on the municipally addressed property at 7 Savage Drive;
    - At the time of the site reconnaissance, Westend Automotive was still operating at 5872, 5880, and 5884 Hazeldean Road with multiple vehicles and a servicing garage. 7 Savage Drive was still privately owned and being used as a residential dwelling.
- The Site and Phase One Study Area are serviced by municipal water, sewer, electrical and natural gas services – lighting was also noted along the western boundary of the property municipally addressed as 5884 Hazeldean Road;

- A drain in the Westend Automotive garage and a sump in the Westend Automotive office were noted;
- Vehicles for sale were present across the site, through review of historical documents and use of the site and as discussed during the site interview, salt products for vehicular and pedestrian traffic have been applied across the site;
- An oil water separator was identified at the Westend Automotive garage, waste oil drums, and a solid waste bin were noted on the 5872 Hazeldean Road property;
- Hydraulic lift equipment, gasolines, lubricants, paints, compressed gases among other items and tools used for maintenance and servicing of vehicles were observed in small, individual packaging or containers throughout the maintenance garage. No odours of staining were observed at the time of site reconnaissance;
- Two areas on the property at 5872 Hazeldean Road were identified as being used as tire storage; and,
- Multiple tractors and trailers were also identified on-Site, among the vehicles available for sale.

The PCAs identified from the on-Site observations were as follows:

- 10. Commercial Autobody Shops;
- 30. Importation of Fill Material of Unknown Quality;
- Ot#3. Maintenance Garage for Westend Automotive, with waste oil drums and oil water separator; and
- Ot#4. Use of Salt.

5.3.3 Site Services

The Phase One Property was serviced with municipal water, sewer and storm, electrical, and gas. Outdoor lighting was identified along the western boundary of 5884 Hazeldean Road, and along the southern boundary of 5884 and 5880 Hazeldean Road. All services are supplied to the Phase One Property in the sub-surface.

5.3.4 Unidentified Substances

No unidentified substances were observed on the Phase One Property during the Site reconnaissance.

5.3.5 Odours

No odours were identified on the Phase One Property during the Site reconnaissance.

5.3.6 Enhanced Investigation Property

The Phase One Property is considered to be an enhanced investigation property based on the use as Westend Automotive, a used car dealership providing automotive service. As such the investigation was conducted in a manner consistent with the requirements for enhanced

investigation properties as described in subsection 13 (3) of O.Reg. 153/04. Relevant information is reported in Table 5.2.

Table 5.2: Details about the Enhanced Investigation Property

Topic	Observations	Source
Operations at the property, including processing or manufacturing	The site is currently being used at Westend Automotive, who provide vehicle servicing.	Site Reconnaissance, Site interview
Hazardous materials used or stored at the Phase one property	No hazardous materials use or storage was identified at the Phase One Property.	Site Reconnaissance, Site Interview
Products manufactured at the Phase one property	No evidence of manufacturing ever occurring at the Phase One Property was found.	Site Interview
By-products and wastes at the Phase one property	Waste oil drums were present on the property due to the maintenance and service of vehicles.	Site Reconnaissance, Site Interview
Raw materials handling and storage locations at the Phase one property	No raw materials are known to have been produced at the Phase One Property.	Site Reconnaissance, Site Interview
Location and contents of drums, totes and bins at the Phase one property	Sixty litre drums of waste oil are present in the center along the northeastern boundary on the Phase One Property.	Site Reconnaissance, Site Interview
The location, installation date, source of incoming liquid and effluent discharge location for all oil-water separators	An oil water separator is present on site and was installed in approximately 2005, the oil water separation is pumped regularly and, following separation, water is diverted into the municipal system.	Site Interview
All vehicle and equipment maintenance areas, including the locations of maintenance, fluid storage, and waste storage areas	Vehicle maintenance is known to have occurred in the Westend Automotive garage.	Site Reconnaissance, Site Interview
Details of all spills including the dates, locations, materials involved, and volumes of material spilled;	No spills are known to have been occurred at the Phase One Property.	Site Reconnaissance, Site Interview, ERIS
Details of liquid discharge points such as water and French drains, including their locations	The drain within the Westend Automotive maintenance garage is outlet into the oil water separator.	Site Interview
Details of all hydraulic lift equipment at the property, including elevators, in-ground hoists and loading docks	Hydraulic lift equipment is present within the Westend Automotive garage building.	Site Reconnaissance, Site Interview

5.4 Specific Observations within the Study Area

5.4.1 Surrounding Properties

Adjacent properties were viewed from the Phase One Property and publicly accessible boundaries to assess the potential for uses to adversely affect the Phase One Property. Table 5.3 summarizes the findings.

Table 5.3: Summary of Surrounding Properties

Property Location	Civic Address	Property Land Use	Property Details
North	Hazeldean Road Rowan Road Bradley Green Court	Community Roadway Residential Commercial	The Phase One Property is bound to the north by community Roadway, Hazeldean Road, along which lies multiple commercial businesses including an ESSO gas station. North of Hazeldean Road multiple residential dwellings are present along Rowan Road and Bradley Green Court.
East	5862, 5854 Hazeldean Road 3,5,7,8,9,11 Sweetnam Drive Sweetnam Drive Multiple along Succession Court, Cloverloft Crescent	Commercial/ Industrial Businesses Community Roadways Residential	The Phase One Property is bound to the east by commercial and industrial properties along Sweetnam Drive, a floodplain east of Swetnam Drive, and residential properties along Succession Court, Cloverloft Crescent.
South	Savage Drive Denham Way Iva Street	Community Roadways Residential	The Phase One Property is bound to the south by residential dwellings along Savage Drive, Denham Way, and Iva Street.
West	Savage Drive Rhonda Stewart Private Victor Street Denham Way	Community Roadways Residential	The Phase One Property is bound to the south by residential dwellings along Savage Drive, Denham Way, Rhonda Stweart Private, and Victor Street.

5.4.2 Water, Wastewater and Storm Water

No water, wastewater or storm water were observed at the time of the Site reconnaissance.

5.4.3 Pits, Ponds, and Lagoons

No pits, ponds or lagoons were observed at the time of the Site reconnaissance.

5.4.4 Stained Materials and Stressed Vegetation

No signs of stressed vegetation nor staining were observed at the time of Site reconnaissance. Snow cover was present during the site reconnaissance.

5.4.5 Watercourses, Ditches or Standing Water

No watercourses, or standing water was on the Phase One Study area. Ditches were observed along Savage Avenue in the western portion of the Site. A catch basin was identified between the Westend Automotive office and garage buildings.

5.5 Site Reconnaissance Limitations

Two limitations were identified during the site reconnaissance:

- Snow was present on site at the time of the site reconnaissance; and,
- The inside of the building at 7 Savage Drive was not available for inspection as it is currently occupied residentially.

Based on GEMTECs knowledge of the site and considering the previously considered ESA for the site, is it not anticipated that either impediment affected the overall outcome of the report.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

Current and past uses of each parcel making up the Phase One Property are summarized in Table 6.1 through Table 6.4.

Table 6.1: Current and Past Uses – 5872 Hazeldean Road

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1824-1840	James Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1840-1875	Robert Roe and William Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1875-1894	David Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1894-1903	Charles Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1903-1913	William Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1913-1921	William J Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1921-1943	Albert J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1943-1955	William A. Savage	Unknown	Agricultural/Other	1945 aerial photo shows the Phase One Property appears to be undeveloped or used as an agricultural field.
1955-1962	Lynden Milligan & Iris Milligan	Unknown	Agricultural/Other	1959 aerial photo shows no further development at 5872 Hazeldean Road.
1962-1969	Derrick Woodward	Unknown	Agricultural/Other	No records between 1962 - 1969.
1969-1988	Derrick Woodward & Edith Woodward	Residential	Residential	1976 aerial photograph shows what appears to be residential home developed at 5872 Hazeldean Road.
1988-1992	Irene Merilyn Herbert	Residential	Residential	1991 aerial photograph shows no changes to 5872 Hazeldean Road.
1992-1996	John Sidney Bradley	Residential	Residential	No records between 1992-1996.
1996-2002	Franco Cantusci & Margaret Cantusci	Residential	Residential	2002 aerial photograph shows a new building in the southeastern area of the site, no anticipated changes to site use at 5872 Hazeldean road.

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
2002-2005 (Present Owner)	1030108 Ontario Inc	Residential Westend Automotive	Residential Commercial	Through the site interview the current owner indicated they have been running Westend Automotive (commercial) since approximately 2005.
2005 (Easement)	Patrick Joseph Baril & Claire Ruth Baril	Westend Automotive	Commercial	2008, 2011, and 2024 aerial supported by the site interview and site reconnaissance indicated Westend Automotive (commercial) has been run since 2005. City directory lists site as Westend Automotive in 2012, 2017, 2021, and 2023.

Table 6.2: Current and Past Uses – 5880 Hazeldean Road

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1824-1840	James Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1840-1875	Robert Roe & William Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1875-1894	David Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1894-1903	Charles Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1903-1913	William Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1913-1921	William J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1921-1943	Albert J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1943-1954	William A. Savage	Unknown	Agricultural/Other	1945 aerial photo shows the Phase One Property appears to be undeveloped or used as an agricultural field.
1954-1956	Edwin Hagerty	Unknown	Agricultural/Other	No records between 1954 – 1956.

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1956-1981	Clifford A. Graham & Velma Graham	Residential	Residential	1959 aerial photo shows the development of two structures at 5880 Hazeldean Road, assumed to be used residentially.
1981	Ian A. Macdonald & Rita Macdonald	Residential	Residential	No records in 1981.
1981-1991	Linda Kuhnle	Residential	Residential	1991 aerial photograph shows no changes to 5880 Hazeldean road.
1991-2005	August Brekalo & Mara Brekalo	Residential	Residential	1991 aerial photograph shows no changes to 5880 Hazeldean road.
2008-2008	Patrick Joseph Baril & Claire Ruth Baril	Westend Automotive	Commercial	Site interview indicated the site was obtained and begun to be used by Westend Automotive between 2005 and 2007, as is supported by aerial photographs.
2008-Present	1030108 Ontario Inc	Westend Automotive	Commercial	2008, 2011, and 2024 aerial photograph supported by the site interview. Site reconnaissance indicated Westend Automotive (commercial) has been run since 2005.

Table 6.3: Current and Past Uses – 5884 Hazeldean Road

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1824-1840	James Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1840-1875	Robert Roe & William Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1875-1894	David Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1894-1903	Charles Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1903-1913	William Savage	Unknown	Agricultural/Other	No records found prior to 1945.

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1913-1921	William J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1921-1943	Albert J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1943-1956	William A. Savage	Unknown	Agricultural/Other	1945 aerial photo shows the Phase One Property appears to be undeveloped or used as an agricultural field.
1956-1960	McGill A. Abard	Unknown	Agricultural/Other	1959 aerial photo shows no further development at 5884 Hazeldean Road.
1960-1967	Alfred Auger & Delina Auger	Unknown	Agricultural/Other	No records between 1960 - 1967.
1967-1977	Robert D. Townson	Residential	Residential	1976 aerial photograph shows what appears to be residential home developed at 5884 Hazeldean Road.
1977-2007	Robert Douglas Townson & Deltrye Lynn Townson	Residential	Residential	1991, 2002, and 2005 aerial photographs no changes to the residential structure at 5884 Hazeldean Road.
2007-2008	1030108 Ontario Inc. & Patrick Joseph Baril	Residential	Residential	2008 aerial photo shows the site used as residential.
2008-Present	1030108 Ontario Inc.	Westend Automotive	Commercial	2008, 2011, and 2024 aerial photographs supported by the site interview and site reconnaissance indicated Westend Automotive (commercial) has been run since 2005.

Table 6.4: Current and Past Uses – 7 Savage Drive

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1824-1840	James Roe	Unknown	Agricultural/Other	No records found prior to 1945.
1840-1875	Robert Roe & Willaim Roe	Unknown	Agricultural/Other	No records found prior to 1945.

Year	Name of Owner	Description of Property Use	Property Use	Other observations from aerial photographs, fire insurance plans, etc.
1875-1894	David Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1894-1903	Charles Martin	Unknown	Agricultural/Other	No records found prior to 1945.
1903-1913	William Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1913-1921	Willaim J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1921-1943	Albert J. Savage	Unknown	Agricultural/Other	No records found prior to 1945.
1943-1957	William A. Savage	Unknown	Agricultural/Other	1945 aerial photo shows the Phase One Property appears to be undeveloped or used as an agricultural field.
1957-1964	Brian H. King	Residential	Residential	1959 aerial photo shows the development of one structure at 7 Savage Drive, assumed to be used residentially.
1964-1984	Alberta D. King	Residential	Residential	1976 aerial photo shows the site used as residential.
1984-1989	Thomas John Moffatt & Linda Jean Moffatt	Residential	Residential	No records between 1984 - 1989.
1989-1996	Linda Jean Moffatt	Residential	Residential	1991 aerial photo shows the site used as residential.
1996-2014	Terrence Lionel Corcoran & Hila Lionel Corcoran	Residential	Residential	2002, 2008, and 2011 aerial photo shows the site used as residential.
2014-2021	Terrence Lionel Corcoran	Residential	Residential	No records between 2014 - 2021.
2021-2025	12421178 Canada Inc	Residential	Residential	2024 aerial photo shows the site used as residential.
2025-Present	Savage Development Inc.	Vacant	Agricultural/Other	No records since August 2025 – Vacant based on discussion with client.

6.2 Potentially Contaminating Activities

Thirty-eight on-Site and off-Site PCAs were identified that have a likelihood for creating an APEC on the Phase One Property. The locations of the PCAs are shown on Figure A.3, Appendix A and summarized in Table 6.5.

Table 6.5: Summary of Potentially Contaminating Activities

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
30	Across the Phase One Property	On-site	Aerial Photograph Review, Site Reconnaissance	Site was historically developed, importation of fill material would have been likely backfill former building footprints and potentially raise the grade of the Site.	Yes APEC 1 Based on PCA present on the Phase One Property.
Ot#4	Across the Phase One Property	On-site	Aerial Photograph Review, Site Reconnaissance	Salt is used for deicing purposes across the property.	Yes APEC 2 Based on PCA present on the Phase One Property.
10	5872 Hazeldean Road	On-Site	Previous Reports, City Directory, Site Reconnaissance	Listed as Westend Automotive operating as an automobile service garage since 2005.	Yes APEC 3 Based on PCA present on the Phase One Property.
Ot#3	5872 Hazeldean Road	On-Site	Previous Reports, City Directory, Site Reconnaissance	Listed as Westend Automotive. An oil water separator, and waste oil drums are present on the site.	Yes APEC 4 Based on PCA present on the Phase One Property.
10, Ot#3	5862 Hazeldean Road	Adjacent east	ERIS, City Directory, Site Reconnaissance, Site Interview	Registered as an automotive refinishing facility. With registered wastes including oils/sludges (petroleum based) and inorganic sludges, slurries, or solids. Listed as Kanata Collision, Stittsville Auto Glass Ltd, and Lindron Equipment Inc.	Yes APEC 5 Based on type of activity and proximity to Phase One Property.

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
55	Savage Drive	5 metres south	Site Reconnaissance	A pole mounted transformer was identified along the ditch line of the property intersection of the 7 and 9 Savage Drive	No Based on the PCA being off-site, and no records or visual identification of staining was observed.
Ot#3	2 Savage Drive	10 metres west	City Directory	Listed as MacDougall Sales & Service.	No Based on the PCA being offsite, and no records or visual identification of environmental impacts.
28	5899 Hazeldean Road	50 metres west	ERIS, City Directory, TSSA, Aerial Photograph Review, Site Reconnaissance	Location was listed as a Mr.Gas, a gasoline, soil and natural gas service station. With eleven tanks ranging between 13,500 and 35,000 L underground storage tanks (USTs) installed in 1990/91, all of which have since been recorded as expired. The contents of the USTs were gasoline, diesel, and other. In 2019 two additional 65,000 L and 35,000 L double walled USTs were installed. The contents of the USTs were gasoline and diesel.	Yes APEC 6 Based on the type of activity, confirmed environmental impacts at 5899 Hazeldean Road and within the Hazeldean Road Roadway. Groundwater flow direction is expected to be toward the Phase One Property.
28, Ot#1	2 Bradley Green Court	65 metres north	ERIS	An unknown volume of fuel was released from a tank in 2002 – nature of impact was identified as possible soil contamination. Light fuel wastes were registered in 2002, 2003, and 2004.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
10, 40, 59, Ot#3	7 Sweetnam Drive	70 metres southeast	ERIS, City Directory	Kodiak holds a legacy pesticide license #08808 & #07761, with organic laboratory chemicals wastes. Listed as Denis's Auto Centre, Centurm glass & Doors, Miniman used car lot, Canadian Express Repair, and Ottawa Cove Crown Moulding.	No Based on anticipated groundwater flow direction
28, Ot#1	5 Bradley Green Court	80 metres north	ERIS	Approximately 125 litres of fuel was released from a furnace oil tank in 1994 – nature of impact was identified as possible soil contamination.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction
28, Ot#1	13 Rowan Road	80 metres southeast	ERIS	Approximately 700 litres of fuel was released from a furnace oil tank in 1994 – nature of impact was confirmed soil contamination.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction
28, Ot#1	12 Rowan Road	115 metres north	ERIS	Approximately 4 litres of fuel was released from a furnace oil tank in 1993 – nature of impact was confirmed soil contamination.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction
28, Ot#1	20 Savage Drive	135 metres south	ERIS	Approximately 300 litres of fuel was released from a furnace oil tank in 1995 – nature of impact was confirmed soil contamination.	No Based on distance to the subject site and anticipated groundwater flow direction

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
Ot#1	Hazeldean Road at Johnwood Street	135 metres west	ERIS	An unknown volume of oil was released to a catch basin due to a motor vehicle accident.	No Based on distance to the subject site and likely minimal volume based on automotive accident
Ot#1	62 Bradley Green Crescent	150 metres north	ERIS	Approximately 300 litres of fuel released from a vandalized gas pump at Campbells Landing Marina.	No Based on distance to the subject site and anticipated groundwater flow direction
28, Ot#1	18 Bradley Green Crescent	155 metres north	ERIS	Two spills were reported in 2003, and 2009. In 2003 an unknown volume of furnace oil from a tank was noted as not anticipated soil contamination. In 2009 an unknown volume of furnace oil from a tank was noted as watercourse spills.	No Based on distance to the subject site and anticipated groundwater flow direction
28	5924 Hazeldean Road/ 5938 Hazeldean Road	160 metres southwest	Aerial Photograph Review, Site Interview, ERIS, City Directory	Location was listed as a gasoline, soil and natural gas service station. Multiple underground storage tanks were registered on the site through 1990 and subsequently expired. A record of site condition was filed in 2021. Listed as ESSO (Imperial Oil), Genuine Automotive Service, Saab Gas Centre, and Penske Truck Rentals. A gasoline service station was historically present at 5924 Hazeldean Road.	No Based on distance to the subject site and anticipated groundwater flow direction

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
Ot#1	52 Bradley Green Crescent	170 metres north	ERIS	An unknown quantity of stove oil was released in 1996 – nature of impact was possible soil contamination.	No Based on distance to the subject site and anticipated groundwater flow direction
10, Ot#2, Ot#3	11 Sweetnam Drive	195 metres southeast	ERIS, City Directory	Registered as an automotive refinishing facility. With registered wastes including oils/sludges (petroleum based). Listed as Abbotsford Truck Repairs, Jim's /hi tech Auto Repairs Inc., Autovatoin Inc., Coney Small engine Repair, Rust Block, and Erchon Welding Inc.	No Based on distance to the subject site and anticipated groundwater flow direction
28, Ot#1	27 Bradley Green Crescent	215 metres north	ERIS	Approximately 75 litres of fuel oil was released from a furnace oil tank in 2007 – receiving medium was land.	No Based on distance to the subject site and anticipated groundwater flow direction
55	Bradley Green Crescent	220 metres north	Site Reconnaissance	A pad mounted transformer was identified along Bradley Green Crescent.	No Based on distance to the subject site, no staining observed, and anticipated groundwater flow direction
10, 33, Ot#3	15 Sweetnam Drive	240 metres southeast	City Directory	Listed as Hazeldean Auto Service Inc., Dependable Bodyworks, #607 Cromack Meals, Tim Benger Painting, and Pearl Auto Care.	No Based on distance to the subject site and anticipated groundwater flow direction

10. Commercial Autobody Shops
28. Gasoline and Associated Products Storage in Fixed Tanks

33. Metal Treatment, Coating, Plating and Finishing
40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
59. Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
Ot#1. Spill
Ot#2. Small Engine Repair
Ot#3. Automotive Sale and Service (Including Automotive Garage)
Ot#4: Application of De-Icing Salt

6.3 Areas of Potential Environmental Concern

GEMTEC identified six APECs on the Phase One Property resulting from the on-Site and off-site PCA. The identified APECs, impacted media, and contaminants of potential concern (COPCs) are summarized in Table 6.6 and Figure A.4, Appendix A.

Table 6.6: Areas of Potential Environmental Concern

APEC #	APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site and/or Off-Site)	COPCs	Media Potentially Impacted
1	Importation of Fill Material of Unknown Quality	Across the Phase One Property	30	On-Site	PHC, BTEX, PAHs, Metals, Hydride-Forming Metals (As, Se, and Sb), ORP (B, B-HWS, CN-, Cr(VI), Hg, pH, NA, Cl-)	Soil
2	Use of de-icing salts	Across the Phase One Property	Ot#4	On-Site	EC, SAR	Soil
3	Commercial autobody work at Westend Automotive	Eastern area of Phase One Property	10	On-Site (5872 Hazeldean Road)	Metals, PHCs, VOCs (including BTEX)	Soil & Groundwater
4	Maintenance Garage for Westend Automotive, with waste oil drums and oil water separator	Eastern area of Phase One Property	Ot#3	On-Site (5872 Hazeldean Road)	Metals, PHCs, VOCs (including BTEX)	Soil & Groundwater
5	Multiple commercial/ industrial businesses east of the Phase One Property	Eastern area of Phase One Property	10, Ot#3	Off-Site (5862 Hazeldean Road)	Metals, PHCs, VOCs (including BTEX)	Soil & Groundwater
6	A Gasoline Service Station with storage tanks	Northwestern area of Phase One Property	28	Off-Site (5899 Hazeldean Road)	Metals, PHCs, BTEX	Groundwater

APEC #	APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site and/or Off-Site)	COPCs	Media Potentially Impacted
	and known contamination					

Notes:

PHC – Petroleum Hydrocarbons Fractions F1 to F4
BTEX – Benzene, Toluene, Ethylbenzene, and Xylene
PAH – Polycyclic Aromatic Hydrocarbons
VOC – Volatile Organic Compounds
ORP – Other Regulated Parameters
10. Commercial Autobody Shops
28. Gasoline and Associated Products Storage in Fixed Tanks
30. Importation of Fill Material of Unknown Quality
Ot#3. Automotive Sale and Service (Including Automotive Garage)
Ot#4: Application of De-Icing Salt

A summary and description of the identified APECs and pertinent COPCs is provided below:

APEC 1 – Importation of Fill Material of Unknown Quality

Through the review of information, the Phase One Property was previously developed and the importation of fill material of unknown quality is likely. The COPCs are PHC, BTEX, PAHs, Metals, Hydride-Forming Metals (As, Se, and Sb), ORP (B, B-HWS, CN-, Cr(VI), Hg, pH, NA, Cl-) in soil.

APEC 2 – Use of de-icing salts

Through the review of historical property use and site interview, de-icing salts have been used on the Phase One Property. The COPCs are EC, and SAR in soil.

APEC 3 – Commercial autobody work at Westend Automotive

Through the review of information, Commercial autobody work occurs at Westend Automotive has occurred. The Site interviewee was not aware of any spills having occurred. The COPCs are Metals, PHCs, VOCs (including BTEX) in soil & groundwater.

APEC 4 – Maintenance Garage for Westend Automotive, with waste oil drums and oil water separator

Through the review of information, a current garage that provides automotive maintenance, waste oil drums and oil water separator was identified. The Site interviewee was not aware of any spills having occurred. The COPCs are Metals, PHCs, VOCs (including BTEX) in soil & groundwater.

APEC 5 – Multiple commercial/ industrial businesses east of the Phase One Property

Through the review of information, multiple commercial/ industrial businesses east of the Phase One Property were identified, including one adjacent to the Phase One Property. The Site

interviewee was not aware of any spills having occurred. The COPCs are Metals, PHCs, VOCs (including BTEX) in soil & groundwater.

APEC 6 – A Gasoline Service Station with storage tanks and known contamination

Through the review of information, a gasoline service station with known contamination northwest of the site was identified. Through review, it was identified that only contaminated groundwater is known to be leaving the site, whereas contaminated soil is contained on the site. The COPCs are Metals, PHCs, BTEX in groundwater.

6.3.1 Discussion of Uncertainty

There is a certain level of uncertainty surrounding the use of documentation provided by others. To the best of GEMTECs knowledge, the information provided is complete and has been relied on in good faith. Through review of multiple lines of evidence, the document offers a reasonable level of confidence in the conclusions drawn.

6.4 Phase One Conceptual Site Model

The Phase One Conceptual Site Model (CSM) describes the nature and extent of potential contaminants on the Phase One Property. The Phase One CSM is summarized in Sections 6.4.1 through 6.4.11 and the figures included in Appendix A, as outlined in Table 6.7.

Table 6.7: Summary of Conceptual Site Model Figures

Conceptual Model Detail	Figure
Phase One Property and Study Area Boundary	Figure A.1: Phase One Study Area
Roads	Figure A.1: Phase One Study Area
Adjacent Property Uses	Figure A.1: Phase One Study Area
Existing Buildings and Structures	Figure A.1: Phase One Study Area
Potentially Contaminating Activities	Figure A.2: Potentially Contaminating Activities
Areas of Potential Environmental Concern	Figure A.3: Areas of Potential Environmental Concern
Water Bodies	Figure A.4: Topographic Maps and MECP Water Wells
Water Wells	Figure A.4: Topographic Maps and MECP Water Wells
Areas of Natural Significance/ Wetlands	None present withing Phase One Study Area

6.4.1 Phase One Property Description

The Phase One Property consists of a land parcel approximately 0.7 hectares in size and currently occupied by a used car lot across 5872, 5880, and 5884 Hazeldean Road, while a detached residential dwelling is present at 7 Savage Drive.

The Phase One Property was serviced with municipal water, sewer and storm, electrical, and gas. Further lighting was identified along the western boundary of 5884 Hazeldean Road, and along the southern boundary of 5884, and 5880 Hazeldean Road.

Surrounding land uses consist primary of residential, adjacent roadway, and commercial/industrial businesses.

6.4.2 Current and Proposed Future Site Use

Currently the Phase One Property is currently used by Westend Automotive and a residential dwelling. It was previously used residentially. The proposed future use is to convert the Site to multi-unit residential.

6.4.3 Topography, Hydrology and Geology

The Phase One Property has a relatively flat topography and is at an elevation between 105 and 112 metres (m) above sea level (asl). Surrounding local topography generally slopes gradually downwards towards the unnamed creek, which is located approximately 190 metres to the east of the Phase One Property.

Groundwater flow often reflects topographic features and typically flows towards nearby lakes, rivers, and wetland areas. Based on the topography and hydrogeological features, it is anticipated that local shallow groundwater would flow to eastwards.

Surficial and bedrock geology maps of the area indicate that the overburden in the vicinity of the Phase One Property generally consists of till, further defined as stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain, with a thickness ranging from 0 to 3 m. The bedrock under the Site is mapped as limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and Shadow Lake Formation.

Based on the Southern Ontario Karst Maps from the Ontario Geological Survey, the area of the site is considered to be an area of ‘potential’ and ‘inferred’ karst, and as such, it is understood that karst formations (i.e. underground caves and/or voids occurring as a result of dissolution of bedrock due to water) within the soil and bedrock are possibly present in the vicinity of the site.

6.4.4 Waterbodies and Areas of Natural and Scientific Interest

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the Phase One Property or within the Phase One study area.

6.4.5 Well Records

Well records were reviewed for the Phase One Property and Phase One Study Area. Well records were available through the Ministry of the Environment Conservation and Parks (MECP). 52 well records were identified ranging from installation in 1950 to 2011, wells were classified predominantly as domestic water wells and monitoring/test well.

6.4.6 Potentially Contaminating Activities, Contaminants of Potential Concern and Area of Potential Environmental Concern

The Phase One ESA identified 38 PCAs on the Phase One Property creating six APEC on-Site. A summary of the PCAs as outlined on Table 2 in Schedule D of the Regulation, and identified in the Phase One ESA, are provided in Table 6.8.

Table 6.8: Summary of Potentially Contaminating Activities

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
30	Across the Phase One Property	On-site	Aerial Photograph Review, Site Reconnaissance	Site was historically developed, importation of fill material would have been likely backfill former building footprints and potentially raise the grade of the Site.	Yes APEC 1 Based on PCA present on the Phase One Property.
Ot#4	Across the Phase One Property	On-site	Aerial Photograph Review, Site Reconnaissance	Salt is used for deicing purposes across the property.	Yes APEC 2 Based on PCA present on the Phase One Property.
10	5872 Hazeldean Road	On-Site	Previous Reports, City Directory, Site Reconnaissance	Listed as Westend Automotive operating as an automobile service garage since 2005.	Yes APEC 3 Based on PCA present on the Phase One Property.
Ot#3	5872 Hazeldean Road	On-Site	Previous Reports, City Directory, Site Reconnaissance	Listed as Westend Automotive. An oil water separator, and waste oil drums are present on the site.	Yes APEC 4 Based on PCA present on the Phase One Property.
10, Ot#3	5862 Hazeldean Road	Adjacent east	ERIS, City Directory, Site Reconnaissance, Site Interview	Registered as an automotive refinishing facility. With registered wastes including oils/sludges (petroleum based) and inorganic sludges, slurries, or solids. Listed as Kanata Collision, Stittsville Auto Glass Ltd, and Lindron Equipment Inc.	Yes APEC 5 Based on type of activity and proximity to Phase One Property.

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
55	Savage Drive	5 metres south	Site Reconnaissance	A pole mounted transformer was identified along the ditch line of the property intersection of the 7 and 9 Savage Drive	No Based on the PCA being off-site, and no records or visual identification of staining was observed.
Ot#3	2 Savage Drive	10 metres west	City Directory	Listed as MacDougall Sales & Service.	No Based on the PCA being offsite, and no records or visual identification of environmental impacts.
28	5899 Hazeldean Road	50 metres west	ERIS, City Directory, TSSA, Aerial Photograph Review, Site Reconnaissance	Location was listed as a Mr.Gas, a gasoline, soil and natural gas service station. With eleven tanks ranging between 13,500 and 35,000 L underground storage tanks (USTs) installed in 1990/91, all of which have since been recorded as expired. The contents of the USTs were gasoline, diesel, and other. In 2019 two additional 65,000 L and 35,000 L double walled USTs were installed. The contents of the USTs were gasoline and diesel.	Yes APEC 6 Based on the type of activity, confirmed environmental impacts at 5899 Hazeldean Road and within the Hazeldean Road Roadway. Groundwater flow direction is expected to be toward the Phase One Property.

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
28, Ot#1	2 Bradley Green Court	65 metres north	ERIS	An unknown volume of fuel was released from a tank in 2002 – nature of impact was identified as possible soil contamination. Light fuel wastes were registered in 2002, 2003, and 2004.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction
10, 40, 59, Ot#3	7 Sweetnam Drive	70 metres southeast	ERIS, City Directory	Kodiak holds a legacy pesticide license #08808 & #07761, with organic laboratory chemicals wastes. Listed as Denis's Auto Centre, Centurm glass & Doors, Miniman used car lot, Canadian Express Repair, and Ottawa Cove Crown Moulding.	No Based on anticipated groundwater flow direction
28, Ot#1	5 Bradley Green Court	80 metres north	ERIS	Approximately 125 litres of fuel was released from a furnace oil tank in 1994 – nature of impact was identified as possible soil contamination.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction
28, Ot#1	13 Rowan Road	80 metres southeast	ERIS	Approximately 700 litres of fuel was released from a furnace oil tank in 1994 – nature of impact was confirmed soil contamination.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
28, Ot#1	12 Rowan Road	115 metres north	ERIS	Approximately 4 litres of fuel was released from a furnace oil tank in 1993 – nature of impact was confirmed soil contamination.	No Based on no confirmation of environmental impacts and anticipated groundwater flow direction
28, Ot#1	20 Savage Drive	135 metres south	ERIS	Approximately 300 litres of fuel was released from a furnace oil tank in 1995 – nature of impact was confirmed soil contamination.	No Based on distance to the subject site and anticipated groundwater flow direction
Ot#1	Hazeldean Road at Johnwood Street	135 metres west	ERIS	An unknown volume of oil was released to a catch basin due to a motor vehicle accident.	No Based on distance to the subject site and likely minimal volume based on automotive accident
Ot#1	62 Bradley Green Crescent	150 metres north	ERIS	Approximately 300 litres of fuel released from a vandalized gas pump at Campbells Landing Marina.	No Based on distance to the subject site and anticipated groundwater flow direction

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
28, Ot#1	18 Bradley Green Crescent	155 metres north	ERIS	Two spills were reported in 2003, and 2009. In 2003 an unknown volume of furnace oil from a tank was noted as not anticipated soil contamination. In 2009 an unknown volume of furnace oil from a tank was noted as watercourse spills.	No Based on distance to the subject site and anticipated groundwater flow direction
28	5924 Hazeldean Road/ 5938 Hazeldean Road	160 metres southwest	Aerial Photograph Review, Site Interview, ERIS, City Directory	Location was listed as a gasoline, soil and natural gas service station. Multiple underground storage tanks were registered on the site through 1990 and subsequently expired. A record of site condition was filed in 2021. Listed as ESSO (Imperial Oil), Genuine Automotive Service, Saab Gas Centre, and Penske Truck Rentals. A gasoline service station was historically present at 5924 Hazeldean Road.	No Based on distance to the subject site and anticipated groundwater flow direction
Ot#1	52 Bradley Green Crescent	170 metres north	ERIS	An unknown quantity of stove oil was released in 1996 – nature of impact was possible soil contamination.	No Based on distance to the subject site and anticipated groundwater flow direction
10, Ot#2, Ot#3	11 Sweetnam Drive	195 metres southeast	ERIS, City Directory	Registered as an automotive refinishing facility. With registered wastes including oils/sludges (petroleum based). Listed as Abbotsford Truck Repairs, Jim's /hi tech Auto Repairs Inc., Autovatoin Inc.,	No Based on distance to the subject site and anticipated

PCA ID	Address / Location	Distance from Phase One Property	Information source	PCA Description	Rationale
				Coney Small engine Repair, Rust Block, and Erchon Welding Inc.	groundwater flow direction
28, Ot#1	27 Bradley Green Crescent	215 metres north	ERIS	Approximately 75 litres of fuel oil was released from a furnace oil tank in 2007 – receiving medium was land.	No Based on distance to the subject site and anticipated groundwater flow direction
55	Bradley Green Crescent	220 metres north	Site Reconnaissance	A pad mounted transformer was identified along Bradley Green Crescent.	No Based on distance to the subject site, no staining observed, and anticipated groundwater flow direction
10, 33, Ot#3	15 Sweetnam Drive	240 metres southeast	City Directory	Listed as Hazeldean Auto Service Inc., Dependable Bodyworks, #607 Cromack Meals, Tim Benger Painting, and Pearl Auto Care.	No Based on distance to the subject site and anticipated groundwater flow direction

6.4.7 Subsurface Structures and Utilities

There is potential for underground utilities to affect contaminant transport on or to the Phase One Property if contaminants are present. All Site services are provided underground and there is potential for contaminants from 5899 Hazeldean Road to have traversed the Hazeldean Road Roadway via highly conductive utility corridors.

6.4.8 Areas of Potential Environmental Concern (APECs)

The available information was reviewed in a comprehensive manner starting with available historical information, followed by the results of the Site reconnaissance and finally the results of the interviews. Based on the PCAs identified within the Phase One study area, six APECs were identified on the Phase One Property and summarized in Table 6.9.

Table 6.9: Summary of APECs

APEC #	APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site and/or Off-Site)	COPCs	Media Potentially Impacted
1	Importation of Fill Material of Unknown Quality	Across the Phase One Property	30	On-Site	PHC, BTEX, PAHs, Metals, Hydride-Forming Metals (As, Se, and Sb), ORP (B, B-HWS, CN-, Cr(VI), Hg, pH, NA, Cl-)	Soil
2	Use of de-icing salts	Across the Phase One Property	Ot#4	On-Site	EC, SAR	Soil
3	Commercial autobody work at Westend Automotive	Eastern area of Phase One Property	10	On-Site (5872 Hazeldean Road)	Metals, PHCs, VOCs (including BTEX)	Soil & Groundwater
4	Maintenance Garage for Westend Automotive, with waste oil drums and oil water separator	Eastern area of Phase One Property	Ot#3	On-Site (5872 Hazeldean Road)	Metals, PHCs, VOCs (including BTEX)	Soil & Groundwater
5	Multiple commercial/ industrial businesses east of the Phase One Property	Eastern area of Phase One Property	10, Ot#3	Off-Site (5862 Hazeldean Road)	Metals, PHCs, VOCs (including BTEX)	Soil & Groundwater

APEC #	APEC	Location of APEC on the Phase One Property	PCA	Location of PCA (On-Site and/or Off-Site)	COPCs	Media Potentially Impacted
6	A Gasoline Service Station with storage tanks and known contamination	Northwestern area of Phase One Property	28	Off-Site (5899 Hazeldean Road)	Metals, PHCs, BTEX	Groundwater

6.4.9 Uncertainty and Absence of Information

There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One ESA CSM or the findings of this Phase One ESA.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Need for a Phase Two ESA

Based on the information obtained and reviewed as part of this Phase One ESA, six APECs were identified at the Phase One Property. Based on this, O.Reg. 153/04 requires a Phase Two ESA be carried out for the site to investigate the identified APECs.

8.0 REFERENCES

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carte.aspx?Language=EN&qid=2305646&backto=https://www.tbs-sct.gc.ca/fcsi-rscf/numbers-numeros-eng.aspx?qid=2305646.

Environmental Systems Research Institute (ESRI). ArcGIS Desktop: Small_Landfills. 2014.

9.0 LIMITATIONS OF LIABILITY

The Phase One Environmental Site Assessment has been supervised and reviewed the qualified person. This Phase One ESA was carried out in general with Ontario Regulation 153/04 made under the Environmental Protection Act and meets the requirements of Part VII (Sections 23 to 31) and Schedule D of the regulation.

The results of this Phase One ESA should in no way be construed as a warranty that the phase one property is free from any and all contaminants other than those noted in this report, nor that all compliance issues have been addressed.

This report was prepared for the exclusive use of Hazeldean Heights Inc. and is based on data and information collected during the Phase One ESA of the property conducted by GEMTEC. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC and Sandy Gauthier. In evaluating this phase one property, GEMTEC has relied in good faith on information provided by others. We accept no responsibility for any deficiencies or inaccuracies in this report as a result of omissions, misinterpretations, or fraudulent acts of others.

The assessment of environmental conditions and possible site hazards presented has been made using the available historical and technical data collected and provided by others. The conclusions provided herein represent the best judgment of GEMTEC based on current environmental standards. Due to the nature of the investigation and the limited data available, we cannot warrant against undiscovered environmental liabilities.

The scope of the Phase One ESA is sufficient to identify existing and/or potential environmental liabilities that are obvious from visual examination of surface features and from available sources of information. This level of work is a method of risk reduction, not risk elimination. No building materials, water, liquid, gas, products or chemical sampling and/or testing on or in the vicinity of the Phase One Property was carried out as part of this assessment. The Phase One ESA does not include a program of intrusive observation/testing. These activities would be carried out as part of a Phase Two ESA. This environmental assessment included only a cursory overview of the neighbouring land uses from public Roadways and from the Phase One Property and does not constitute a complete assessment of the adjacent sites.

10.0 CLOSURE

The undersigned Qualified Person confirms that the Phase One ESA was conducted and/or supervised by the Qualified Person and that all findings and conclusions of the Phase One ESA are included in the report.

We trust this report provides sufficient information for your present purposes. If you have any questions concerning this report, please do not hesitate to contact our office.

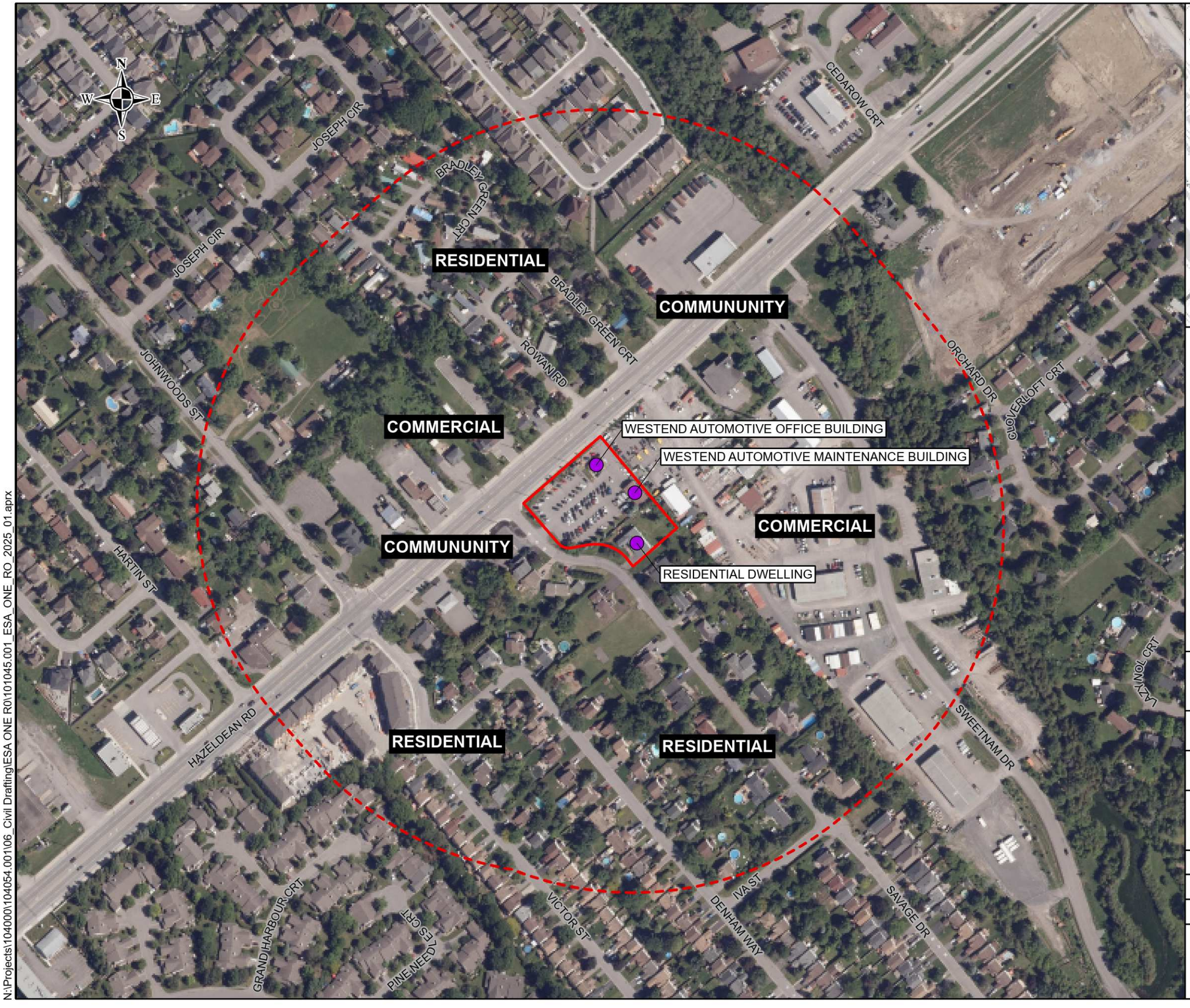
Sincerely,

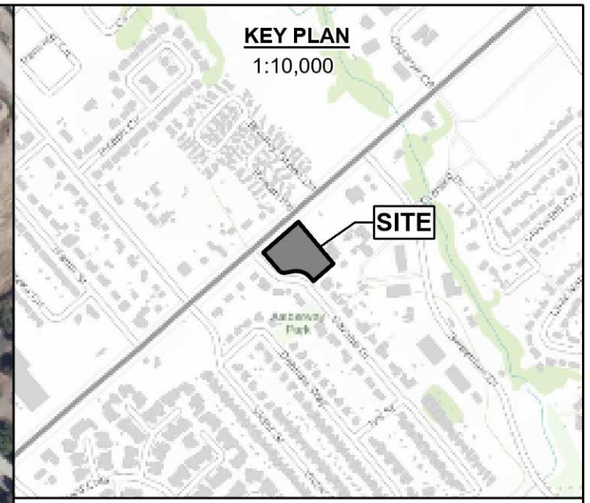
Nicole Soucy, M.A.Sc., P.Eng, QP_{ESA}
Environmental Engineer

Daniel Elliot, P.Geo., QP_{ESA}
Senior Environmental Geoscientist

APPENDIX A

Figures





LEGEND

- SITE BOUNDARY
- STUDY AREA (250m RADIUS AROUND SITE)

GENERAL NOTES:

1. Coordinate system: NAD83 UTM zone 18N.
2. Geographic dataset source: Ontario GeoHub.
3. Contains information licensed under the Open Government Licence – Ontario.
4. Service Layer Credits: Ottawa 2022 Imagery , World Topographic Map City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, AAFC, NRCan

Scale:

1:3,000 Meters

0 40 80 160 240

Drawing: PHASE ONE STUDY AREA

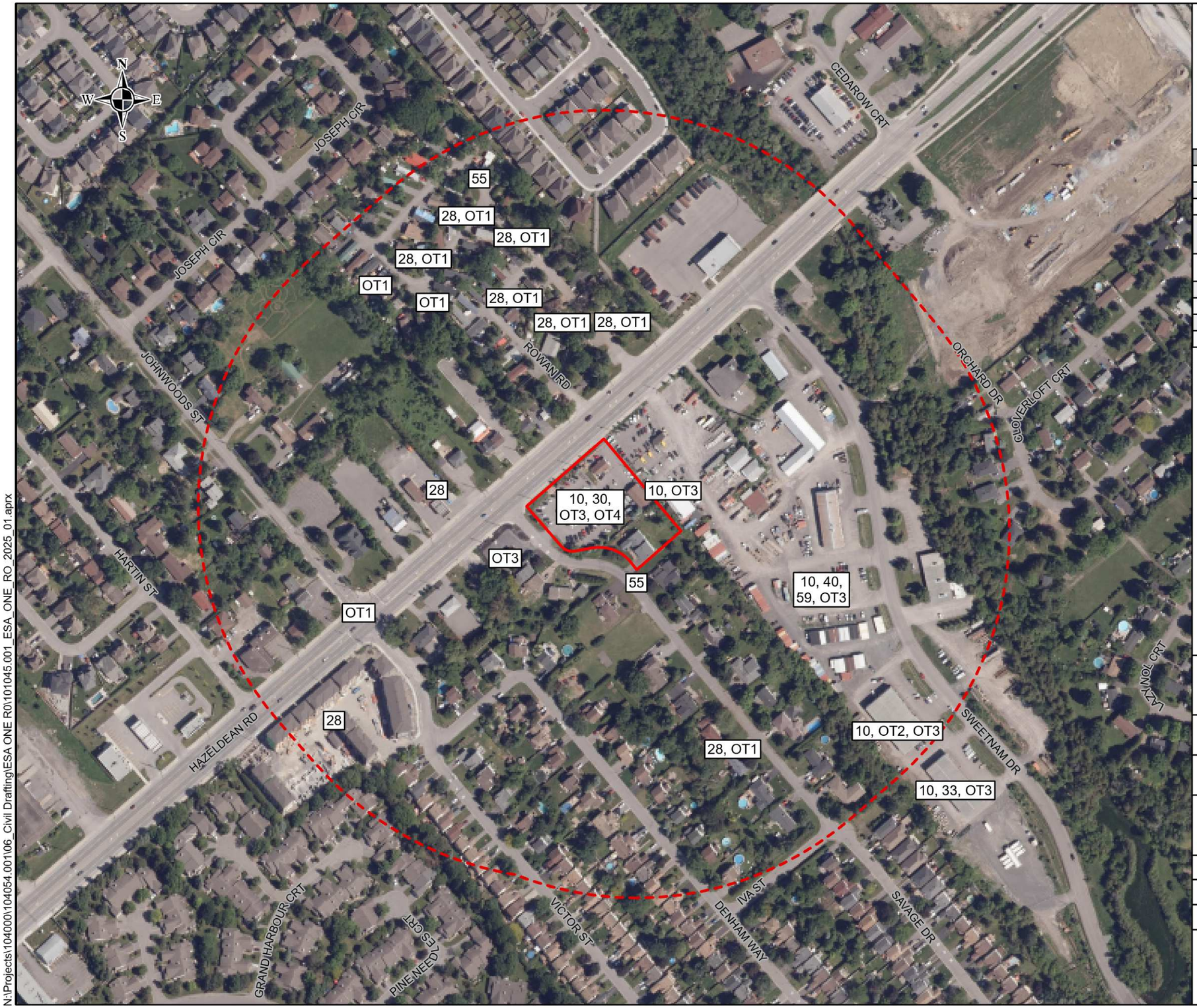
Client: HAZELDEAN HEIGHTS INC.

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED DEVELOPMENT
5872, 5880, AND 5884 HAZELDEAN ROAD AND 7 SAVAGE DRIVE
OTTAWA, ONTARIO

Drwn By:	SL	Chkd By:	NS
Project No.	104054.001	Revision No.	0
Date	SEPTEMBER 2025	**FIGURE A.1**	

GEMTEC
Consulting Engineers and Scientists
32 Steacie Drive
Ottawa, ON, K2K 2A9
Tel: (613) 836-1422
www.gemtec.ca
ottawa@gemtec.ca

N:\Projects\104000\104054.001\06_Civil Drafting\ESA ONE R0\101045.001_ESA_ONE_RO_2025_01.aprx



LEGEND

SITE BOUNDARY

STUDY AREA
(250m RADIUS AROUND SITE)

PCA	DESC
10	Commercial Autobody Shops
28	Gasoline and Associated Products Storage in Fixed Tanks
33	Metal Treatment, Coating, Plating and Finishing
40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
OT1	Spill
OT2	Small Engine Repair
OT3	Automotive Sale and Service (Including Automotive Garage)
OT4	Application of De-Icing Salt

GENERAL NOTES:

1. Coordinate system: NAD83 UTM zone 18N.
2. Geographic dataset source: Ontario GeoHub.
3. Contains information licensed under the Open Government Licence – Ontario.
4. Service Layer Credits: Ottawa 2022 Imagery , World Topographic Map City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, AAFC, NRCan

Scale:

1:3,000 Meters

0 40 80 160 240

Drawing
POTENTIALLY CONTAMINATING ACTIVITIES

Client:
HAZELDEAN HEIGHTS INC.

Project
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED DEVELOPMENT
5872, 5880, AND 5884 HAZELDEAN ROAD AND 7 SAVAGE DRIVE
OTTAWA, ONTARIO

Drwn By:	SL	Chkd By:	NS
Project No.	104054.001	Revision No.	0
Date	SEPTEMBER 2025		**FIGURE A.2**

GEMTEC
CONSULTING ENGINEERS AND SCIENTISTS
32 Steacie Drive
Ottawa, ON, K2K 2A9
Tel: (613) 836-1422
www.gemtec.ca
ottawa@gemtec.ca

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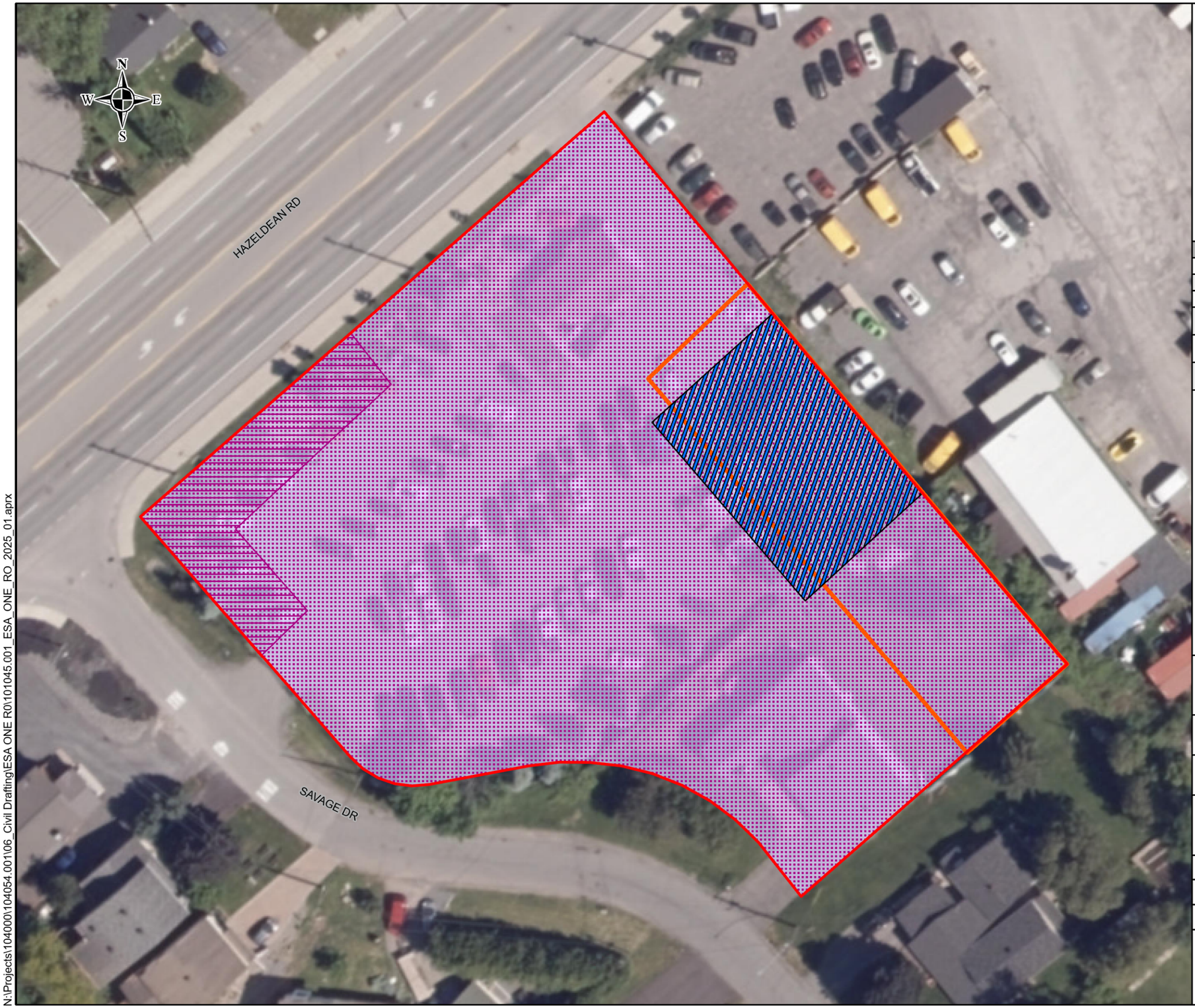


LEGEND

- SITE BOUNDARY
- STUDY AREA (250m RADIUS AROUND SITE)

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

- APEC 1
- APEC 2
- APEC 3
- APEC 4
- APEC 5
- APEC 6

APEC #	AREAS OF POTENTIAL ENVIRONMENTAL CONCERN
APEC 1	Importation of Fill Material of Unknown Quality
APEC 2	Use of de-icing salts
APEC 3	Commercial autobody work at Westend Automotive
APEC 4	Maintenance Garage for Westend Automotive, with waste oil drums and oil water separator
APEC 5	Multiple commercial/ industrial businesses east of the Phase One Property
APEC 6	A Gasoline Service Station with storage tanks and known contamination

GENERAL NOTES:

1. Coordinate system: NAD83 UTM zone 18N.
2. Geographic dataset source: Ontario GeoHub.
3. Contains information licensed under the Open Government Licence – Ontario.
4. Service Layer Credits: Ottawa 2022 Imagery , World Topographic Map City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, AAFC, NRCan

Scale:

1:500 Meters

0 6 12 24 36

Drawing
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

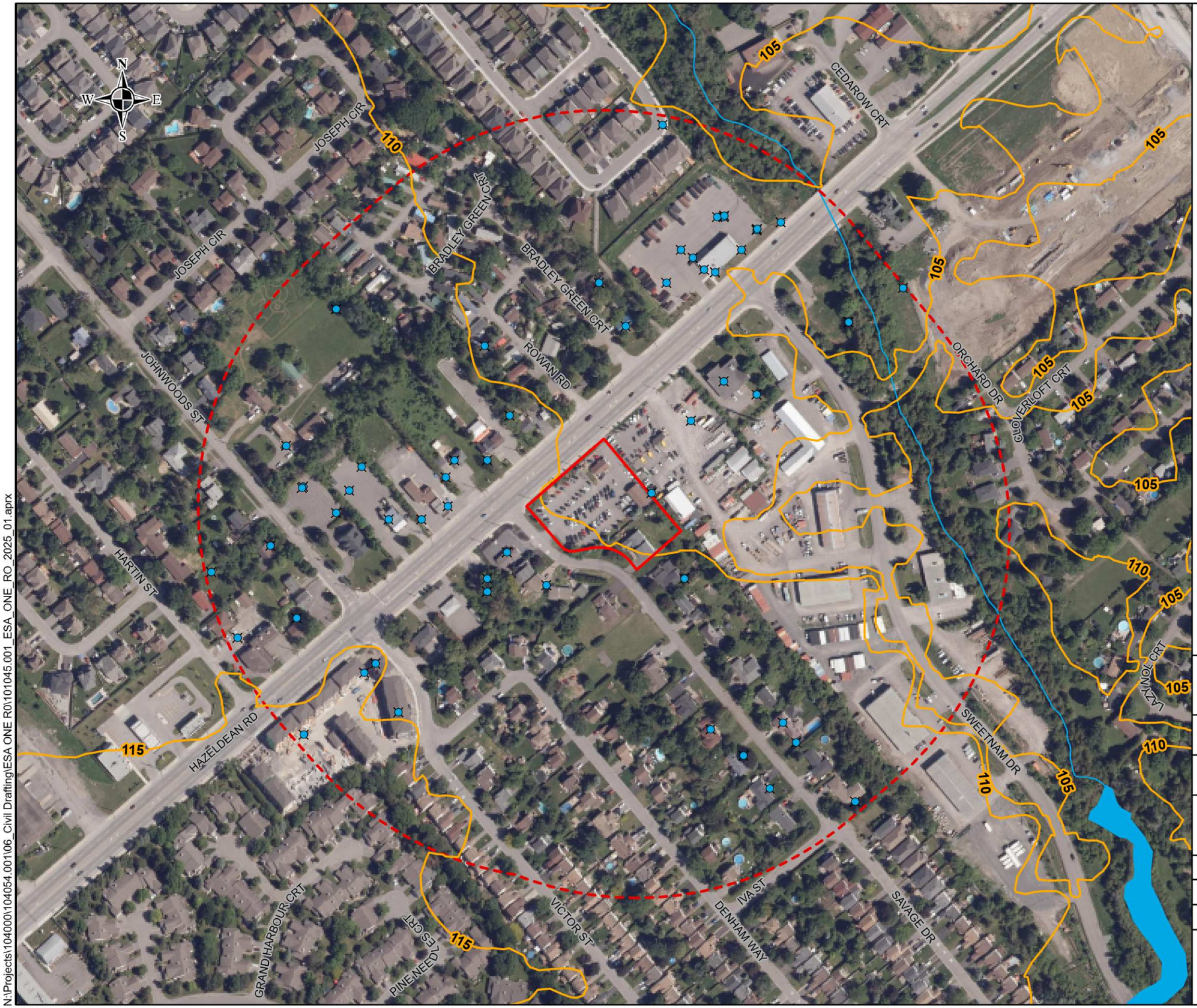
Client:
HAZELDEAN HEIGHTS INC.

Project
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED DEVELOPMENT
5872, 5880, AND 5884 HAZELDEAN ROAD AND 7 SAVAGE DRIVE
OTTAWA, ONTARIO

Drwn By:	SL	Chkd By:	NS
Project No.	104054.001	Revision No.	0
Date	SEPTEMBER 2025		**FIGURE A.3**

GEMTEC
Consulting Engineers and Scientists
32 Steacie Drive
Ottawa, ON, K2K 2A9
Tel: (613) 836-1422
www.gemtec.ca
ottawa@gemtec.ca

N:\Projects\104000\104054.001\06_Civil Drafting\ESA ONE R0\101045.001_ESA_ONE_RO_2025_01.aprx



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LEGEND

- SITE BOUNDARY
- STUDY AREA (250m RADIUS AROUND SITE)
- ELEVATION CONTOUR (IN METRES, CGVD28)
- WATERCOURSE
- WATERBODY

GENERAL NOTES:

1. Coordinate system: NAD83 UTM zone 18N.
2. Geographic dataset source: Ontario GeoHub.
3. Contains information licensed under the Open Government Licence – Ontario.
4. Service Layer Credits: Ottawa 2022 Imagery , WATERBODY https://www.ontario.ca/page/open-government-licence-ontario, World Topographic Map City of Ottawa, Province of Ontario, Esri Canada, Esri, HERE, Garmin,

Scale:

1:3,000

0 40 80 160 240 Meters

Drawing: PHASE ONE PROPERTY FEATURES

Client: HAZELDEAN HEIGHTS INC.

Project: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
PROPOSED DEVELOPMENT
5872, 5880, AND 5884 HAZELDEAN ROAD AND 7 SAVAGE DRIVE
OTTAWA, ONTARIO

Drwn By:	SL	Chkd By:	NS
Project No.	104054.001	Revision No.	0
Date	SEPTEMBER 2025		**FIGURE A.4**

GEMTEC
CONSULTING ENGINEERS AND SCIENTISTS
32 Steacie Drive
Ottawa, ON, K2K 2A9
Tel: (613) 836-1422
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ottawa@gemtec.ca

APPENDIX B

Qualification of Assessors

GEMTEC Consulting Engineers and Scientists Limited
32 Steacie Drive
Ottawa, ON, Canada
K2K 2A9
613.836.1422
ottawa@gemtec.ca
www.gemtec.ca

QUALIFICATION OF ASSESSORS

Nicole Soucy, M.Sc., P.Eng., QP_{ESA}– Environmental Engineer

The APU was carried out by Ms. Nicole Soucy, M.A.Sc., P.Eng., a registered Professional Engineer in the Province of Ontario and Qualified Person ESA (QP_{ESA}) under Ontario Regulation 153/04 and 406/19. Ms. Soucy has a Master of Applied Science with specialization in Environmental Engineering and vapour intrusion. Ms. Soucy's formal education and experience working in environmental consulting has provided her with the knowledge and expertise to identify sources of environmental concern and evaluate their potential to cause adverse environmental impacts.

Daniel Elliot, B.Sc., P.Geo., QP_{ESA} – Senior Environmental Geoscientist

The Phase One ESA was carried out under the oversight of Mr. Daniel Elliot. Daniel has over 15 years of experience in the environmental sector in jurisdictions across Canada and the Unites States. His early career with the Morwick G360 Groundwater Research Institute saw him carrying out research projects developing and using cutting edge techniques and technology. Since moving into consulting, he has gained extensive experience providing various environmental services including Phase One and Two Environmental Site Assessments, contaminant and hydrogeological site characterization, remedial planning, and implementation; risk assessment; filing of Records of Site Conditions; compliance and contract support; and waste and excess soil characterization/management. Daniel is a practicing member of the Association of Professional Geoscientists of Ontario and is a "qualified person" under Ontario Regulation 153/04 and Ontario Regulation 406/19.

APPENDIX C

Chain of Title

CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 5880 Hazeldean Road, Stittsville
Legal Description: Pt Lot 26 Con 11, Goulbourn Pt 2, 4R20819

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0733(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	17 05 1824	Crown	**James ROE**
RO1639	Deed	17 12 1840	James Roe	Robert ROE & William ROE
GB804	Deed	03 04 1875	Robert Roe & William Roe	David MARTIN
GB3641	Deed	21 03 1894	David Martin	Charles MARTIN
GB6007	Deed	01 05 1903	Charles Martin	William SAVAGE
GB6687	Deed	01 03 1913	William Savage	William J. SAVAGE
GB7660	Deed	15 04 1921	William J. Savage	Albert J. SAVAGE
GB9439	Deed	12 04 1943	Albert J. Savage - Estate	William A. SAVAGE
GB11110	Deed	21 06 1954	William A. Savage	Edwin HAGERTY

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 5880 Hazeldean Road, Stittsville
Legal Description: Pt Lot 26 Con 11, Goulbourn Pt 2, 4R20819

PIN #: 04462-0733(LT)

Searched at: Ottawa
LRO #: 4

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
GB11717	Deed	27 11 1956	Edwin Hagerty	Clifford A. GRAHAM & Velma GRAHAM
NS118693	Deed	01 06 1981	Clifford A. Graham & Velma Graham	Ian A. MACDONALD & Rita MACDONALD
NS135105	Deed	02 11 1981	Ian A. MacDonald & Rita MacDonald	Linda KUHNLE
N587800	Deed	23 08 1991	Linda Kuhnle	August BREKALO & Mara BREKALO
OC509098	Deed	09 09 2005	August Brekalo & Mara Brekalo	Patrick Joseph BARIL Claire Ruth BARIL
OC891760	Deed **(Present Owner)**	21 08 2008	Patrick Joseph Baril Claire Ruth Baril	**1030108 Ontario Inc.**

PROPERTY DESCRIPTION: PART OF LOT 26 CONCESSION 11 GOULBOURN, PART 2 PLAN 4R20819; OTTAWA. T/W AN EASEMENT OVER PART 2 PLAN 4R18441 AS IN OC547267.

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04462-0482

PIN CREATION DATE:
2006/02/20

OWNERS' NAMES
1030108 ONTARIO INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2006/02/20 **						
**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: 1999/08/23 **						
GB14119	1962/03/09	BYLAW				C
REMARKS: SEE LT111755						
OC509098	2005/09/09	TRANSFER		*** COMPLETELY DELETED *** BREKALO, AUGUST BREKALO, MARA	BARIL, PATRICK JOSEPH BARIL, CLAIRE RUTH	
REMARKS: PLANNING ACT STATEMENTS						
OC509099	2005/09/09	CHARGE		*** DELETED AGAINST THIS PROPERTY *** BARIL, PATRICK JOSEPH BARIL, CLAIRE RUTH	BANK OF MONTREAL	
OC546829	2005/12/19	NOTICE	$1	CITY OF OTTAWA	BARIL, PATRICK JOSEPH BARIL, CLAIRE RUTH	C
OC547266	2005/12/20	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY *** BANK OF MONTREAL	CITY OF OTTAWA	
REMARKS: OC509099 POSTPONED TO OC546829						
4R20819	2006/01/04	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
OC851576	2008/05/14	DISCH OF CHARGE		*** COMPLETELY DELETED *** BANK OF MONTREAL		
	REMARKS: RE: OC509099					
OC891760	2008/08/21	TRANSFER	$378,000	BARIL, CLAIRE RUTH BARIL, PATRICK JOSEPH	1030108 ONTARIO INC.	C
OC891762	2008/08/21	CHARGE	$1,200,000	1030108 ONTARIO INC.	BANK OF MONTREAL	C
OC1530556	2013/10/23	NOTICE	$1	CITY OF OTTAWA	1030108 ONTARIO INC.	C
OC1530557	2013/10/23	POSTPONEMENT		BANK OF MONTREAL	CITY OF OTTAWA	C
	REMARKS: OC891762 TO OC1530556					
OC1648557	2014/12/23	CHARGE	$2,500,000	1030108 ONTARIO INC.	BANK OF MONTREAL	C

ServiceOntario

PRINTED ON 14 DEC, 2024 AT 13:37:20

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

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CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 5872 Hazeldean Road
Legal Description: Pt Lot 26 Con 11, Goulbourn Pt 2, 4R18441

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0719(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	17 05 1824	Crown	**James ROE**
RO1639	Deed	17 12 1840	James Roe	Robert ROE & William ROE
GB804	Deed	03 04 1875	Robert Roe & William Roe	David MARTIN
GB3641	Deed	21 03 1894	David Martin	Charles MARTIN
GB6007	Deed	01 05 1903	Charles Martin	William SAVAGE
GB6687	Deed	01 03 1913	William Savage	William J. SAVAGE
GB7660	Deed	15 04 1921	William J. Savage	Albert J. SAVAGE
GB9439	Deed	12 04 1943	Albert J. Savage - Estate	William A. SAVAGE
GB11389	Deed	13 09 1955	William A. Savage	Lynden MILLIGAN & Iris MILLIGAN

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 5872 Hazeldean Road
Legal Description: Pt Lot 26 Con 11, Goulbourn Pt 2, 4R18441

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0719(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
GB15480	Deed	27 08 1962	Lynden Milligan & Iris Milligan	Derrick WOODWARD
CT105658	Deed	17 06 1969	Derrick Woodward	Derrick WOODWARD & Edith WOODWARD
N463370	Deed	01 11 1988	Derrick Woodward & Edith Woodward	Irene Marilyn HEBERT
N637104	Deed	15 10 1992	Irene Marilyn Hebert	John Sidney BRADLEY
N746298	Deed	19 08 1996	John Sidney Bradley	Franco CANTUSCI & Nancy Margaret CANTUSCI
OC40525	Deed **(Present Owner)**	01 02 2002	Franco Cantusci Nancy Margaret Cantusci	**1030108 Ontario Inc.**
OC547267	Easement	20 12 2005	1030108 Ontario Inc.	Patrick Joseph BARIL Claire Ruth BARIL

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

PROPERTY DESCRIPTION: PART OF LOT 26, CONCESSION 11, BEING PART 2 ON 4R18441, OTTAWA. SUBJECT TO AN EASEMENT IN FAVOUR OF THE OWNERS OF PART OF LOT 26, CONCESSION 11, GOULBOURN, AS IN N587800 AS IN OC547267.

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04462-0483

PIN CREATION DATE:
2003/11/07

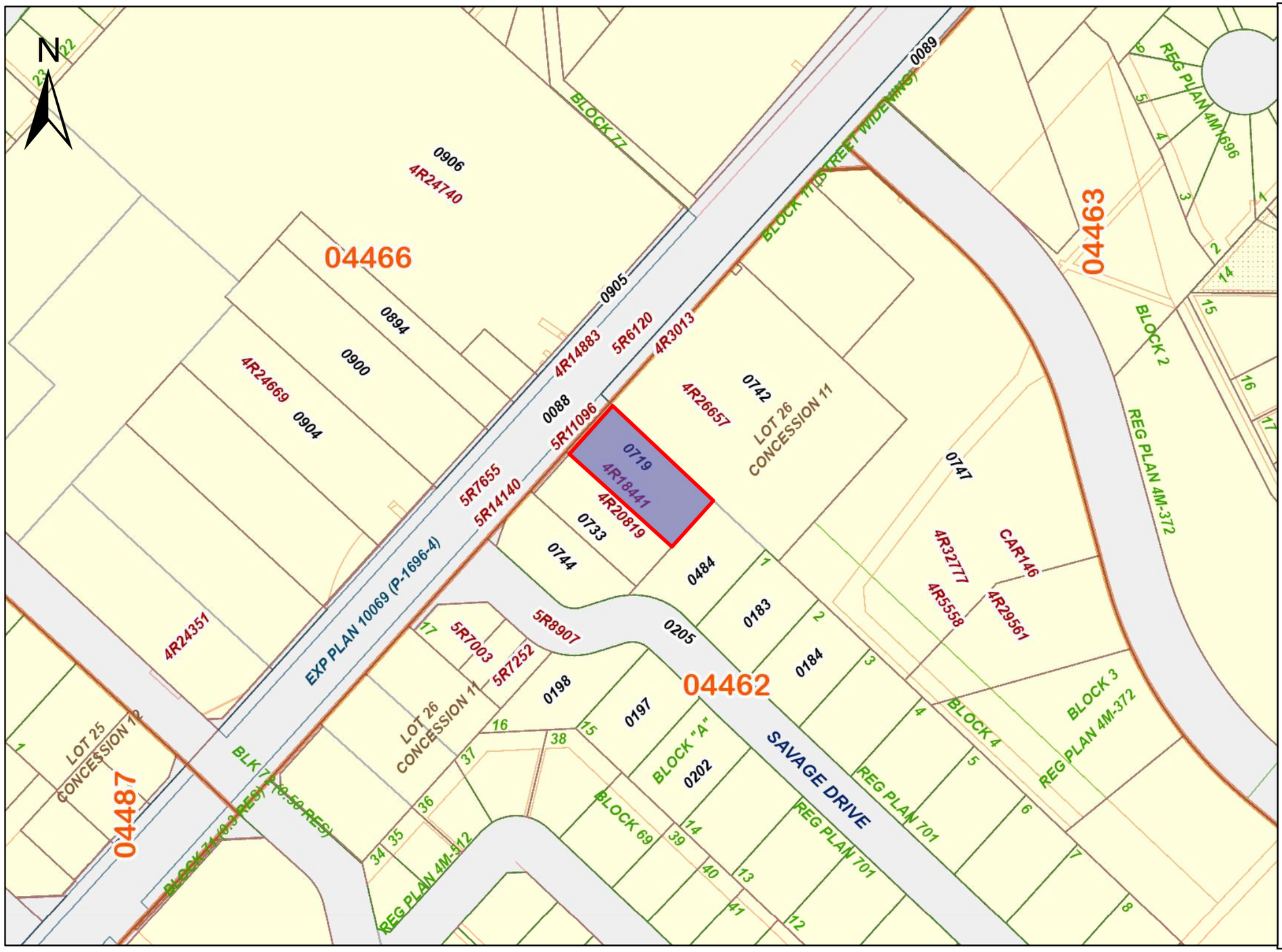
OWNERS' NAMES
1030108 ONTARIO INC.

CAPACITY SHARE
BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2003/11/07 **						
**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: 1999/08/23 **						
GB14119	1962/03/09	BYLAW				C
REMARKS: SEE LT111755						
OC40525	2002/02/01	TRANSFER	$260,000	CANTUSCI, FRANCO CANTUSCI, NANCY MARGARET	1030108 ONTARIO INC.	C
OC40526	2002/02/01	CHARGE		*** DELETED AGAINST THIS PROPERTY *** 1030108 ONTARIO INC.	BANK OF MONTREAL	
4R18441	2003/03/25	PLAN REFERENCE				C
OC266623	2003/11/04	NOTICE	$1	CITY OF OTTAWA	1030108 ONTARIO INC.	C
REMARKS: PART 2 ON 4R18441						
OC267145	2003/11/05	POSTPONEMENT		*** DELETED AGAINST THIS PROPERTY *** BANK OF MONTREAL	CITY OF OTTAWA	
REMARKS: OC40526 TO OC266623						
OC464959	2005/05/20	CHARGE		*** COMPLETELY DELETED ***		

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
				1030108 ONTARIO INC.	BANK OF MONTREAL	
OC547267	2005/12/20	TRANSFER EASEMENT	$2	1030108 ONTARIO INC.	BARIL, PATRICK JOSEPH BARIL, CLAIRE RUTH	C
OC891762	2008/08/21	CHARGE	$1,200,000	1030108 ONTARIO INC.	BANK OF MONTREAL	C
OC891764	2008/08/21	DISCH OF CHARGE		*** COMPLETELY DELETED *** BANK OF MONTREAL		
	REMARKS: RE: OC464959					
OC891766	2008/08/21	DISCH OF CHARGE		*** COMPLETELY DELETED *** BANK OF MONTREAL		
	REMARKS: RE: OC40526					
OC1530556	2013/10/23	NOTICE	$1	CITY OF OTTAWA	1030108 ONTARIO INC.	C
OC1530557	2013/10/23	POSTPONEMENT		BANK OF MONTREAL	CITY OF OTTAWA	C
	REMARKS: OC891762 TO OC1530556					
OC1648557	2014/12/23	CHARGE	$2,500,000	1030108 ONTARIO INC.	BANK OF MONTREAL	C



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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

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ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 5884 Hazeldean Road
Legal Description: Pt Lot 26 Con 11, Goulbourn as in CT248366 Ex Pt 1 4R27244

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0744(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	17 05 1824	Crown	**James ROE**
RO1639	Deed	17 12 1840	James Roe	Robert ROE & William ROE
GB804	Deed	03 04 1875	Robert Roe & William Roe	David MARTIN
GB3641	Deed	21 03 1894	David Martin	Charles MARTIN
GB6007	Deed	01 05 1903	Charles Martin	William SAVAGE
GB6687	Deed	01 03 1913	William Savage	William J. SAVAGE
GB7660	Deed	15 04 1921	William J. Savage	Albert J. SAVAGE
GB9439	Deed	12 04 1943	Albert J. Savage - Estate	William A. SAVAGE
GB11721	Deed	10 12 1956	William A. Savage	McGill A. ABARD

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 5884 Hazeldean Road
Legal Description: Pt Lot 26 Con 11, Goulbourn as in CT248366 Ex Pt 1 4R27244

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0744(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
GB13377	Deed	23 06 1960	McGill A. Abard	Alfred AUGER & Delina AUGER
GB16406	Deed	19 07 1967	Alfred Auger & Delina Auger	Robert D. TOWNSON
CT248366	Deed	31 05 1977	Robert D. Townson	Robert Douglas TOWNSON Deltrye Lynn TOWNSON
OC758513	Deed	14 08 2007	Robert Douglas Townson Deltrye Lynn Townson	1030108 Ontario Inc. Patrick Joseph BARIL
OC891761	Deed **(Present Owner)**	21 08 2008	Patrick Joseph Baril	**1030108 Ontario Inc.**

PROPERTY DESCRIPTION: PART OF LOT 26, CONCESSION 11, GOULBOURN, AS IN CT248366 SAVE AND EXCEPT PART 1 ON PLAN 4R-27244; CITY OF OTTAWA

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04462-0481

PIN CREATION DATE:
2013/10/24

OWNERS' NAMES
1030108 ONTARIO INC.

CAPACITY SHARE

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2013/10/24 **						
**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: 1999/08/23 **						
GB14119	1962/03/09	BYLAW				C
REMARKS: SEE LT111755						
OC758513	2007/08/14	TRANSFER	$310,000	TOWNSON, DELTRYE LYNN TOWNSON, ROBERT DOUGLAS	1030108 ONTARIO INC. BARIL, PATRICK JOSEPH	C
REMARKS: PLANNING ACT STATEMENTS						
OC891761	2008/08/21	TRANSFER	$2	BARIL, PATRICK JOSEPH	1030108 ONTARIO INC.	C
OC891762	2008/08/21	CHARGE	$1,200,000	1030108 ONTARIO INC.	BANK OF MONTREAL	C
OC1530556	2013/10/23	NOTICE	$1	CITY OF OTTAWA	1030108 ONTARIO INC.	C
OC1530557	2013/10/23	POSTPONEMENT		BANK OF MONTREAL	CITY OF OTTAWA	C
REMARKS: OC891762 TO OC1530556						
OC1648557	2014/12/23	CHARGE	$2,500,000	1030108 ONTARIO INC.	BANK OF MONTREAL	C

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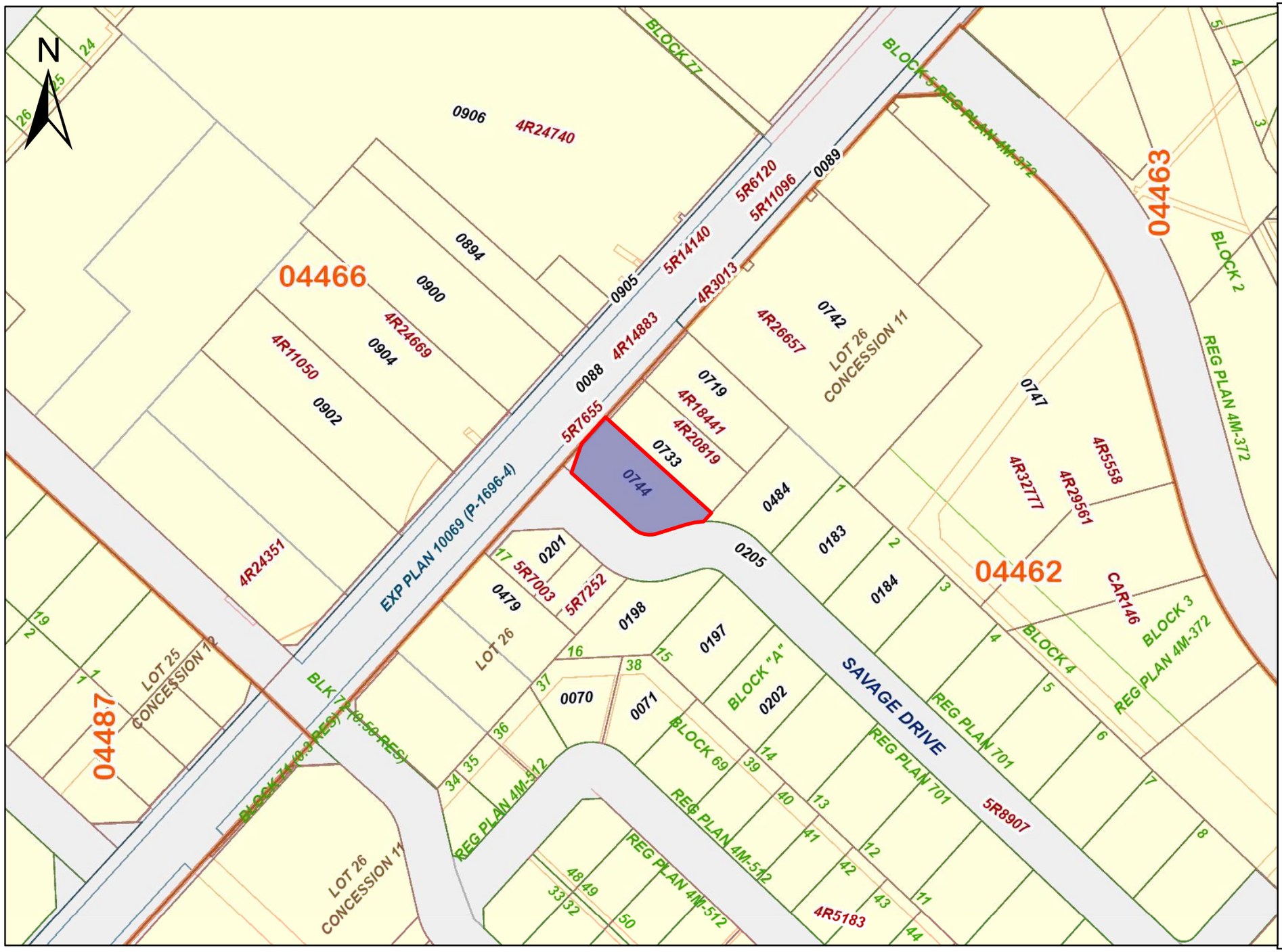

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SCALE

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

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REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

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CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 7 Savage Drive, Stittsville
Legal Description: Pt Lot 26 Con 11 Goulbourn as in N495055

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0484(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (100 Acres)	17 05 1824	Crown	**James ROE**
RO1639	Deed	17 12 1840	James Roe	Robert ROE & William ROE
GB804	Deed	03 04 1875	Robert Roe & William Roe	David MARTIN
GB3641	Deed	21 03 1894	David Martin	Charles MARTIN
GB6007	Deed	01 05 1903	Charles Martin	William SAVAGE
GB6687	Deed	01 03 1913	William Savage	William J. SAVAGE
GB7660	Deed	15 04 1921	William J. Savage	Albert J. SAVAGE
GB9439	Deed	12 04 1943	Albert J. Savage - Estate	William A. SAVAGE
GB11700	Deed	22 03 1957	William A. Savage	Brian H. KING

Cont'd on Page 2

CHAIN OF TITLE REPORT

Project #: 24111800922
Address: 7 Savage Drive, Stittsville
Legal Description: Pt Lot 26 Con 11 Goulbourn as in N495055

Searched at: Ottawa
LRO #: 4

PIN #: 04462-0484(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
GB14992	Deed	13 08 1964	Brian H. King	Alberta D. KING
NS240200	Deed	22 05 1984	Alberta D. King	Thomas John MOFFATT & Linda Jean MOFFATT
N495055	Deed	13 07 1989	Thomas John Moffatt Linda Jean Moffatt	Linda Jean MOFFATT
N749565	Deed	01 11 1996	Linda Jean Moffatt	Terrence Lionel CORCORAN Hilda Maria CORCORAN
OC1572772	Deed	16 04 2014	Hilda Maria Corcoran - Estate	Terrence Lionel CORCORAN
OC2306424	Deed **(Present Owner)**	22 01 2021	Terrence Lionel Corcoran	**12421178 Canada Inc.**

PROPERTY DESCRIPTION: PT LT 26 CON 11 GOULBOURN AS IN N495055 ; GOULBOURN

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
RE-ENTRY FROM 04462-0642

PIN CREATION DATE:
1999/08/20

OWNERS' NAMES
12421178 CANADA INC.

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1997/02/24 ON THIS PIN						
WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/08/20						
*** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1999/08/20 ***						
***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: 1999/08/23 ***						
GB14119	1962/03/09	BYLAW				C
REMARKS: SEE LT111755						
N749565	1996/11/01	TRANSFER		*** DELETED AGAINST THIS PROPERTY ***	CORCORAN, TERRENCE LIONEL CORCORAN, HILDA MARIA	
N749566	1996/11/01	CHARGE		*** COMPLETELY DELETED ***	SCOTIA MORTGAGE CORP.	
OC930842	2008/11/26	DISCH OF CHARGE		*** COMPLETELY DELETED *** SCOTIA MORTGAGE CORPORATION		
REMARKS: RE: N749566						
OC1572772	2014/04/16	APL OF SURV-LAND		*** COMPLETELY DELETED *** CORCORAN, HILDA MARIA	CORCORAN, TERRENCE LIONEL	

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC2306424	2021/01/22	TRANSFER	$575,000	CORCORAN, TERRENCE LIONEL	12421178 CANADA INC.	C
	REMARKS: PLANNING ACT STATEMENTS.					
OC2306425	2021/01/22	CHARGE	$460,000	12421178 CANADA INC.	CANADIAN IMPERIAL BANK OF COMMERCE	C
OC2306426	2021/01/22	NO ASSGN RENT GEN		12421178 CANADA INC.	CANADIAN IMPERIAL BANK OF COMMERCE	C
	REMARKS: OC2306425 RENTS					

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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

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Tatomirovic-Manula Law Office

Barrister & Solicitor

2210 Prince of Wales Drive, Unit 600, Ottawa, ON K2E 6Z9
Phone: (613) 321-2301 Fax: (613) 321-2302
Email : zak@ztmlaw.com

August 28, 2025

SAVAGE DEVELOPMENT INC.
32 Harry Douglas Drive, Stittsville, Ontario, K2S1Z2

Dear SAVAGE DEVELOPMENT INC.:

RE: SAVAGE DEVELOPMENT INC. (the "Purchaser") p/f 12421178 CANADA INC. (the "Vendor")
7 Savage Drive, Ottawa, Ontario K2S 1B9 (the "Property")
Closing Date: August 28, 2025
Our File No: ZTM-7996 (CN49303)

Your Purchase Transaction

I am please to now submit my reporting letter in relation to your purchase of the above property, which transaction was completed on August 28, 2025.

TITLE

In accordance with your instructions, your title to the property is protected under a title insurance policy issued by Stewart Title Guaranty Company as Policy No. O-7763 5355792. Schedules identifying the property and the insured, and listing additional exceptions as well as affirmative assurances relating to matters not covered, excluded or excepted, are attached to the title insurance policy. Your copy of the policy, including Schedules, is enclosed with this report. Should you ever be required to file a claim, it is important that you follow the procedures set out in the policy.

Title to the property is subject to the following:

1. The exceptions and qualifications contained in the *Land Titles Act*;

2. The correctness of the documents relied on;

3. Reservations, exceptions, limitations, provisos, restrictions and exceptions contained in the letters patent or the original grant from the crown, unpatented mining claims, and any native or aboriginal claim affecting the land.

4. Subject to the various documents shown on PIN 04462-0484 as shown on the copy of the PIN attached to this report.

Transfer of Title

I am enclosing herewith a copy of the Transfer/Deed that was registered on your behalf.

In accordance with your instructions, title was transferred on closing as follows:

Transferee	
SAVAGE DEVELOPMENT INC.	
Registered Owner	
Address For Service	32 Harry Douglas Drive, Stittsville, Ontario, K2S1Z2

Statement of Adjustments

I am enclosing herewith a copy of the Statement of Adjustments which contains details of the various adjustments to the purchase price. The statement is used so as to determine the cash balance which you were required to pay to the vendor on closing. The figures on the right-hand side are credits to the vendor (and, as such, are added onto the purchase price) while those on the left are credits to you.

The purchase price for the Property was $1,075,000.00.

The Purchaser was credited with the deposit monies which were already paid.

With respect to realty taxes, the statement shows the vendor's proportionate share of the annual tax bill for the period from the beginning of the year to the date of closing as well as the amount actually paid by the vendor on this account. The difference between these two figures appears as an adjustment to the purchase price.

The balance due on closing was determined by adding to the sale price the credits to the vendor as shown in the right-hand column of the Statement of Adjustments, and deducting these from the credits to the purchase as set out in the left-hand column.

You should review the enclosed Statement of Adjustments to note any additional items (and the corresponding amounts) that were adjusted on the closing of your transaction.

Additional Information

Property Insurance

It is of the utmost importance to maintain adequate fire and liability coverage on the property and I wish to confirm that you arranged fire insurance effective from the date of closing. Although it is recommended that the amount of coverage be for replacement cost, it is necessary to maintain, at the very least, coverage in an amount not less than the aggregate secured by any mortgages on the property from time to time, and, in addition, the interests of such mortgagees must be noted on the policy.

APPENDIX D

Fire Insurance Plans and Reports

DATABASE REPORT

Project Property:	*104054.001* *5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive* *Ottawa ON K2S 1B9*
Project No:	
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*24111800922*
Requested by:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Date Completed:	*December 2, 2024*

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

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

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Executive Summary

Property Information:

Project Property:	*104054.001* *5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive Ottawa ON K2S 1B9*
Project No:	

Order Information:

Order No:	*24111800922*
Date Requested:	*November 18, 2024*
Requested by:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
City Directory Search	*Smart CD Search*
ERIS Xplorer	*ERIS Xplorer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	7	7
CA	Certificates of Approval	Y	0	1	1
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	8	8
EASR	Environmental Activity and Sector Registry	Y	0	2	2
EBR	Environmental Registry	Y	0	1	1
ECA	Environmental Compliance Approval	Y	0	3	3
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	12	13
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	19	19
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	3	3
FSTH	Fuel Storage Tank - Historic	Y	0	3	3
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	30	30
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	2	2

Database	Name	Searched	Project Property	Boundary to 0.25km	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	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	2	2
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	5	5
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	4	4
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	18	18
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

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
WDSH	***Waste Disposal Sites - MOE 1991 Historical Approval Inventory***	*Y*	*0*	*0*	*0*
WWIS	***Water Well Information System***	*Y*	*0*	*58*	*58*
		Total:	*1*	*181*	*182*

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		5872 Hazeldean Rd Ottawa ON K2S 1B9	NW/0.0	-0.08	45

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 26 con 11 ON ***Well ID:*** 1502927	ENE/0.6	-1.08	45
3	EHS		2 Savage Drive Stittsville ON K2S 1B9	W/21.9	0.92	47
4	WWIS		lot 26 con 11 ON ***Well ID:*** 1502914	ESE/26.9	0.59	48
5	WWIS		lot 26 con 11 ON ***Well ID:*** 1502916	SW/28.1	0.92	50
6	WWIS		lot 26 con 11 ON ***Well ID:*** 1502915	WSW/29.4	0.92	52
7	BORE		ON	NW/30.8	-1.03	55
8	BORE		ON	WSW/36.9	0.92	56
9	EASR	2316984 ONTARIO INC.	5862 HAZELDEAN RD STITTSVILLE ON K2S 1B9	ENE/40.0	-1.62	57
9	PINC	CDS BUILDING MOVERS	5862 HAZELDEAN RD,,STITTSVILLE,ON, K2S 1B9,CA ON	ENE/40.0	-1.62	58
9	SPL	Enbridge Gas Distribution Inc.	5862 Hazeldean Road, building 2 and 3 Ottawa ON	ENE/40.0	-1.62	58
9	GEN	CDS Store-All Ltd	5862 Hazeldean Rd Stittsville ON K2S1B9	ENE/40.0	-1.62	59
9	GEN	CDS Store-All Ltd	5862 Hazeldean Rd Stittsville ON K2S1B9	ENE/40.0	-1.62	59

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
10	WWIS		lot 26 con 12 ON ***Well ID:*** 1502976	WNW/40.9	0.95	60
11	WWIS		lot 26 con 12 ON ***Well ID:*** 1502979	W/53.6	0.88	63
12	WWIS		lot 26 con 11 ON ***Well ID:*** 1502909	WSW/53.9	0.83	65
13	WWIS		lot 26 con 12 ON ***Well ID:*** 1513392	NW/57.3	-0.08	68
14	WWIS		5891 HAZELDEAN ROAD lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7105320	W/58.8	0.88	71
15	WWIS		lot 26 con 12 ON ***Well ID:*** 1502970	WNW/59.0	0.92	74
16	WWIS		lot 26 con 11 ON ***Well ID:*** 1510451	NE/59.3	-2.26	76
17	EHS		5900 Hazeldean Road Stittsville ON K2S 1B9	WSW/60.2	0.83	80
18	WWIS		lot 26 con 11 ON ***Well ID:*** 1502908	WSW/60.6	0.83	80
19	WWIS		lot 26 con 12 ON ***Well ID:*** 1502977	W/74.4	1.92	83
20	BORE		ON	E/78.6	-1.08	85
21	INC		5883 Hazeldean Road, Ottawa ON K2S 1B9	WNW/82.0	0.97	86
21	PINC		5883 Hazeldean Road, Ottawa ON	WNW/82.0	0.97	87

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
22	EHS		5906 Hazeldean Rd Ottawa ON K2S1B9	WSW/82.6	1.92	87
22	SPL	Enbridge Gas Distribution Inc.	5906 Hazelvean Road Ottawa ON	WSW/82.6	1.92	88
23	WWIS		lot 25 con 12 ON ***Well ID:*** 1532753	N/87.0	-3.14	89
24	EHS		5903 Hazeldean Road Ottawa ON K2S 1B9	W/88.4	1.92	90
25	SPL	PRIVATE RESIDENCE	2 BRADLEY GREEN COURT, STITTSVILLE FUEL STORAGE TANK OTTAWA CITY ON K2S 1B7	N/89.1	-3.14	90
25	GEN	JEFF SEVIGNY	2 Brandly Green Court Stitsville ON K1S 1V7	N/89.1	-3.14	91
26	SPL	PRIVATE RESIDENCE	#5 BRADLEY GREEN FURNACE OIL TANK GOULBOURN TOWNSHIP ON	NNW/93.4	-2.05	91
27	PRT	MR GAS LIMITED ATTN LILIANNE LEVAC	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON	W/96.9	1.61	92
27	RST	MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	W/96.9	1.61	92
27	FSTH	MR GAS LIMITED ATTN LILIANNE LEVAC **	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON K2S 1B9	W/96.9	1.61	92
27	FSTH	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	93
27	DTNK	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	94

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	DTNK	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	95
27	DTNK	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	95
27	DTNK	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	96
27	DTNK	MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	97
27	RST	MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	W/96.9	1.61	97
27	FST	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	97
27	FST	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	98
27	EXP	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	98
27	EXP	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	98
27	EXP	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	98
27	EXP	MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	99
27	EXP	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	99
27	EXP	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	99

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	EXP	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	99
27	EXP	MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	100
27	EXP	MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	100
27	EXP	MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	100
27	EXP	MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	100
27	FST	BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	W/96.9	1.61	101
28	WWIS		lot 26 con 11 ON ***Well ID:*** 1502910	NE/97.8	-3.08	101
29	WWIS		lot 26 con 12 ON ***Well ID:*** 1502974	W/99.2	1.92	103
30	GEN	Noremtech Inc.	1 Sweetnam Drive, Unit # 202 Stittsville ON K2S 1G3	ENE/102.2	-2.65	106
30	GEN	Noremtech Inc.	1 Sweetman Drive, Unit 202 Stittsville ON K2S 1G3	ENE/102.2	-2.65	106
31	BORE		ON	WSW/107.3	1.92	107
32	WWIS		lot 26 con 11 ON ***Well ID:*** 1502926	ENE/110.2	-4.17	108
33	WWIS		lot 26 con 12 ON ***Well ID:*** 1514248	NW/110.8	-0.08	111

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	GEN	Bell	5854 Hazeldean Stittsville ON K2S 1B9	NE/115.1	-3.08	114
35	WWIS		lot 26 con 12 ON ***Well ID:*** 1502975	N/118.3	-3.35	115
36	PES	CHRISTOPHER MULLINS O/A KODIAK	7 SWEETNAM DR STITTSVILLE ON K251B9	ESE/120.2	1.92	117
36	GEN	Noremtech Inc.	7 Sweetman Drive, Unit 385 Stittsville ON K2S 1G3	ESE/120.2	1.92	118
36	GEN	Noremtech Inc.	7 Sweetman Drive, Unit 385 Stittsville ON K2S 1G3	ESE/120.2	1.92	118
37	WWIS		lot 26 con 12 ON ***Well ID:*** 7347117	W/122.5	1.92	118
38	SPL	PRIVATE RESIDENCE	TRAILER IN STITTSVILLE AT 13 ROWAN RD. FURNACE OIL TANK GOULBOURN TOWNSHIP ON	NW/123.0	-0.08	119
39	SPL	PRIVATE RESIDENCE	12 ROWAN ROAD, STITTSVILLE FURNACE OIL TANK GOULBOURN TOWNSHIP ON	NNW/125.5	-1.11	120
40	WWIS		5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON ***Well ID:*** 7249191	NNE/127.7	-4.03	121
41	WWIS		lot 26 con 12 ON ***Well ID:*** 1514141	W/129.0	1.92	124
42	WWIS		lot 26 con 11 ON ***Well ID:*** 1502920	SE/132.6	0.92	127
43	SPL	PRIVATE RESIDENCE	20 SAVAGE ST., STITTSVILLE. FURNACE OIL TANK GOULBOURN TOWNSHIP ON	SSE/132.6	0.92	130
44	WWIS		lot 26 con 12 ON	W/138.7	1.92	131

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1510030			
45	GEN	Everline Coatings	Unit E - 9 Sweetnam Dr. Stittsville ON K9V 6G3	ESE/144.0	0.89	134
45	PINC	ENBRIDGE GAS INC	9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3, CA ON	ESE/144.0	0.89	134
45	PINC	ENBRIDGE GAS INC	9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3, CA ON	ESE/144.0	0.89	134
45	SPL	Enbridge Gas Distribution Inc.	9 Sweetnam Drive Ottawa ON	ESE/144.0	0.89	135
46	SPL		Hazeldean Rd east of Johnwood St Ottawa ON	WSW/144.5	2.22	136
47	ECA	City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St. Ottawa ON K1P 1J1	WSW/146.0	2.22	137
48	PES	CHRISTOPHER MULLINS O/A KODIAK	3 JOHNWOODS STITTSVILLE ON K251B9	WNW/146.6	1.92	137
49	CA	743104 ONTARIO INC.	VICTOR ST./HAZELDEAN RD. GOULBOURN TWP. ON	WSW/147.2	2.22	137
49	SPL	Enbridge Gas Distribution Inc.	Corner of Hazeldean Road and Victor Street Ottawa ON	WSW/147.2	2.22	138
49	PINC		Hazeldean Road & Victor Street, Ottawa ON	WSW/147.2	2.22	139
49	SPL		Hazledean Road and Victor Street, Ottawa OTTAWA ON	WSW/147.2	2.22	139
50	WWIS		lot 26 con 12 ON ***Well ID:*** 1502973	NNE/149.6	-5.00	140

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
51	WWIS		5835 HAZELDEAN ROAD STITTSVILLE ON ***Well ID:*** 7140551	NNE/152.4	-5.00	142
52	WWIS		5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON ***Well ID:*** 7249192	NNE/153.3	-5.08	145
53	WWIS		5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON ***Well ID:*** 7249193	NNE/155.1	-5.08	148
54	WWIS		lot 26 con 11 ON ***Well ID:*** 1502923	SE/159.9	0.92	151
55	WWIS		lot 25 con 11 ON ***Well ID:*** 1502905	WSW/160.6	2.92	154
56	EHS		231079 Ottawa ON K2S 1B7	NW/160.7	-0.08	156
57	WWIS		lot 26 con 11 ON ***Well ID:*** 1502918	SE/162.4	0.92	156
58	WWIS		lot 26 con 12 ON ***Well ID:*** 1511636	W/164.1	1.92	159
59	WWIS		lot 26 con 12 ON ***Well ID:*** 1514142	W/165.0	1.92	162
60	WWIS		5924 HAZELDEAN RD lot 26 con 11 STITTSVILLE ON ***Well ID:*** 7350097	WSW/171.6	2.92	165
61	WWIS		5924 HAZELDEAN RD lot 26 con 11 STITTSVILLE ON ***Well ID:*** 7350098	SW/172.9	2.92	168
62	GEN	Mark Marshall	62 Bradley Green Court Stitsville ON K2S 1B7	NW/173.3	0.92	171
62	SPL	CDS Rental Service Ltd. - Trailer Park<UNOFFICIAL>	62 Bradley Green Cres., Stittsville Ottawa ON K2S 1B7	NW/173.3	0.92	171

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
63	GEN	CDS RENTAL SERVICE LIMITED	8 SWEETNAM DRIVE STITTSVILLE ON K2S 1G2	E/174.1	-4.73	172
63	GEN	C D S RENTAL SERVICE LIMITED 08-875	8 SWEETNAM DRIVE STITTSVILLE ON K2S 1G2	E/174.1	-4.73	172
63	GEN	CDS Group of Companies	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	173
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON	E/174.1	-4.73	173
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	173
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	174
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	174
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	174
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	175
63	GEN	2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	E/174.1	-4.73	175
63	GEN	CDS Store-All Limited	8 Sweetnam Drive Ottawa ON K2S 1G2	E/174.1	-4.73	176
64	EHS		5830 Hazeldean Rd Ottawa ON	ENE/175.9	-6.17	176
65	BORE		ON	SW/176.1	1.88	176

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
66	WWIS		5835 HAZLEDEAN ROAD STITTSVILLE ON ***Well ID:*** 7140552	NE/177.8	-6.08	177
67	BORE		ON	SE/177.9	0.92	180
68	WWIS		lot 26 con 11 ON ***Well ID:*** 1502925	SE/177.9	0.92	182
69	GEN	Murray Smith	18 Bradley Green Court Stitsville ON K2S 1B7	NNW/181.9	-2.85	184
69	SPL	S. 21	18 BRADLEY GREEN CRES., STITTSVILLE.<UNOFFICIAL> Ottawa ON	NNW/181.9	-2.85	185
69	SPL		18 Bradely Green Court Ottawa ON	NNW/181.9	-2.85	186
69	EHS		18 Bradley Green Court Stittsville ON K2S 1B7	NNW/181.9	-2.85	187
70	WWIS		lot 26 con 12 ON ***Well ID:*** 1514143	W/182.1	1.92	187
71	EHS		5924 Hazeldean Stittsville ON K2S 1B9	WSW/188.2	2.92	190
72	WWIS		lot 26 con 12 ON ***Well ID:*** 1509896	NNE/189.4	-6.15	190
73	WWIS		lot 25 con 12 ON ***Well ID:*** 1502966	WSW/189.4	2.92	193
74	SPL	S. 21(1)(f)	27 Bradly Green, Stittsville.<UNOFFICIAL> Ottawa ON	NW/189.9	0.92	195
74	HINC		27 BRADLEY GREEN COURT STITTSVILLE ON	NW/189.9	0.92	196

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
75	EHS		5835 Hazeldean Rd Ottawa ON K2S1B9	NE/190.1	-6.39	196
75	ECA	2347934 Ontario Ltd.	5835 Hazeldean Rd Ottawa ON K2S 1V6	NE/190.1	-6.39	197
75	EBR	2347934 Ontario Ltd.	5835 Hazeldean Road Ottawa K2S 1V3 CITY OF OTTAWA ON	NE/190.1	-6.39	197
76	ECA	Hazeldean Crossing Inc.	5924 Hazeldean Rd Ottawa ON K2S 1B9	WSW/190.2	2.92	197
76	SPL		5924 Hazeldean Rd, Unit 10, Ottawa OTTAWA ON	WSW/190.2	2.92	198
77	WWIS		lot 25 con 12 ON ***Well ID:*** 1502965	W/191.2	2.49	199
78	WWIS		lot 26 con 12 ON ***Well ID:*** 1502972	NNE/191.7	-6.15	201
79	WWIS		5835 HAZELDEAN ROAD lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7253249	NNE/192.8	-6.15	204
80	SPL	PRIVATE RESIDENCE	52 BRADLEY GREEN COURT FURNACE OIL TANK GOULBOURN TOWNSHIP ON	NW/193.3	0.92	207
81	WWIS		lot 26 con 11 ON ***Well ID:*** 1502917	SE/194.3	0.92	208
82	EHS		5927 Hazeldean Rd Ottawa ON K2S1B9	WSW/194.5	2.92	210
83	SPL	Enbridge Gas Distribution Inc.	10 & 12 Victor Street, Stittsville Ottawa ON	SW/195.7	2.92	210
83	HINC		BETWEEN 10 & 12 VICTOR STREET STITTSVILLE ON	SW/195.7	2.92	211

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
84	WWIS		lot 26 con 12 ON ***Well ID:*** 1502980	NE/196.8	-6.63	212
85	WWIS		ON ***Well ID:*** 7188847	NE/197.8	-6.63	214
86	WWIS		lot 26 con 11 ON ***Well ID:*** 1502911	ENE/199.1	-6.05	215
87	EHS		5830 Hazeldean Road Stittsville ON K2S 1B9	NE/201.5	-6.00	218
88	WWIS		lot 26 con 12 ON ***Well ID:*** 1502971	WNW/203.1	1.78	218
89	WWIS		5831 AND 5835 HAZELDEAN RD. OTTAWA ON ***Well ID:*** 7146134	NE/212.8	-6.63	221
89	WWIS		5831 AND 5835 HAZELDON RD. OTTAWA ON ***Well ID:*** 7146224	NE/212.8	-6.63	224
90	GEN	ABBOTSFORD MOVING AND STORAGE LTD.	11 SWEETNAM DRIVE UNIT 506 & 507 STITTSVILLE ON K2S 1G3	ESE/215.1	-0.08	226
90	GEN	ABBOTSFORD MOVING AND STORAGE LTD.	11 SWEETNAM DRIVE, UNIT 506,507 STITTSVILLE ON K2S 1G3	ESE/215.1	-0.08	226
90	EASR	1828472 ONTARIO INC.	11 SWEETNAM STITTSVILLE ON K2S 1G2	ESE/215.1	-0.08	227
90	GEN	CDS Store-All Ltd	11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	ESE/215.1	-0.08	227
90	GEN	CDS Store-All Ltd	11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	ESE/215.1	-0.08	227
90	GEN	CDS Store-All Ltd	11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	ESE/215.1	-0.08	228

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
91	GEN	STITTSVILLE BICYCLE REPAIRS	5931-B HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	WSW/223.4	2.92	228
92	EHS		5933 Hazeldean Road Stittsville ON K2S 1B9	WSW/227.1	2.92	229
93	BORE		ON	W/228.6	2.92	229
94	GEN	FRANK CANTUSCI UPHOLSTERY	5933 HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	WSW/235.6	2.92	230
95	WWIS		lot 25 con 12 ON ***Well ID:*** 1502967	WSW/236.4	2.92	230
96	WWIS		5938 HAZELDEAN RD lot 25 con 11 STITTSVILLE ON ***Well ID:*** 7350096	WSW/237.3	2.92	233
97	WWIS		lot 25 con 12 ON ***Well ID:*** 1502964	W/239.2	2.92	236
98	WWIS		lot 26 con 11 ON ***Well ID:*** 1502922	SE/240.9	0.92	239
99	WWIS		5835 lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7314302	NNE/242.5	-6.08	241
100	WWIS		5938 HAZELDEAN RD lot 25 con 11 STITTSVILLE ON ***Well ID:*** 7350099	WSW/247.4	3.22	244
101	WWIS		lot 26 con 11 ON ***Well ID:*** 7387246	ENE/247.4	-5.05	247
102	WWIS		5438 Hazeldean Rd Ottawa ON ***Well ID:*** 7374878	WSW/247.8	2.92	248
103	RST	SAAB GAS CENTRE	5938 HAZELDAN RD STITTSVL ON K2S 1A9	WSW/248.2	2.92	252

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
103	FSTH	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	WSW/248.2	2.92	252
103	RST	NATIONAL PETROLEUM	5938 HAZELDAN RD STITTSVILLE ON K2S 1A9	WSW/248.2	2.92	252
103	DTNK	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	253
103	DTNK	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	253
103	GEN	Stone Mills Environmental Services	5938 Hazeldean Rd Ottawa ON	WSW/248.2	2.92	254
103	RSC	HAZELDEAN CROSSING INC.	5938 HAZELDEAN ROAD ON Ottawa ON	WSW/248.2	2.92	254
103	DTNK		5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	WSW/248.2	2.92	255
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	255
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	255
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	256
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	256
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	256
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	256

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	257
103	EXP	NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	WSW/248.2	2.92	257

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 7 BORE site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	30.8	7
	ON	36.9	8
	ON	78.6	20
	ON	107.3	31
	ON	176.1	65
	ON	177.9	67
	ON	228.6	93

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
743104 ONTARIO INC.	VICTOR ST./HAZELDEAN RD. GOULBOURN TWP. ON	147.2	49

Site	Address	Distance (m)	Map Key

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Oct 2023 has found that there are 8 DTNK site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
	5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Sep 30, 2024 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2316984 ONTARIO INC.	5862 HAZELDEAN RD STITTSVILLE ON K2S 1B9	40.0	9
1828472 ONTARIO INC.	11 SWEETNAM STITTSVILLE ON K2S 1G2	215.1	90

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Oct 31, 2024 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
2347934 Ontario Ltd.	5835 Hazeldean Road Ottawa K2S 1V3 CITY OF OTTAWA ON	190.1	75

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Sep 30, 2024 has found that there are 3 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St. Ottawa ON K1P 1J1	146.0	47
2347934 Ontario Ltd.	5835 Hazeldean Rd Ottawa ON K2S 1V6	190.1	75
Hazeldean Crossing Inc.	5924 Hazeldean Rd Ottawa ON K2S 1B9	190.2	76

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 13 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5872 Hazeldean Rd Ottawa ON K2S 1B9	0.0	1
	2 Savage Drive Stittsville ON K2S 1B9	21.9	3
	5900 Hazeldean Road Stittsville ON K2S 1B9	60.2	17
	5906 Hazeldean Rd Ottawa ON K2S1B9	82.6	22
	5903 Hazeldean Road Ottawa ON K2S 1B9	88.4	24
	231079 Ottawa ON K2S 1B7	160.7	56
	5830 Hazeldean Rd Ottawa ON	175.9	64
	18 Bradley Green Court Stittsville ON K2S 1B7	181.9	69
	5924 Hazeldean Stittsville ON K2S 1B9	188.2	71
	5835 Hazeldean Rd Ottawa ON K2S1B9	190.1	75
	5927 Hazeldean Rd Ottawa ON K2S1B9	194.5	82
	5830 Hazeldean Road Stittsville ON K2S 1B9	201.5	87

Site	Address	Distance (m)	Map Key
	5933 Hazeldean Road Stittsville ON K2S 1B9	227.1	92

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Oct 2023 has found that there are 19 EXP site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27

Site	Address	Distance (m)	Map Key
MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MGL PROPERTIES LTD.	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON	248.2	103

FST - Fuel Storage Tank

A search of the FST database, dated Oct 2023 has found that there are 3 FST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
BCP IV SERVICE STATION LP O/A BG FUELS	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27

FSTH - Fuel Storage Tank - Historic

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

Site	Address	Distance (m)	Map Key
MR GAS LIMITED **	5899 HAZELDEAN RD STITTSVILLE ON	96.9	27
MR GAS LIMITED ATTN LILIANNE LEVAC **	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON K2S 1B9	96.9	27
NATIONAL PETROLEUM	5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	248.2	103

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 30 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CDS Store-All Ltd	5862 Hazeldean Rd Stittsville ON K2S1B9	40.0	9

Site	Address	Distance (m)	Map Key
CDS Store-All Ltd	5862 Hazeldean Rd Stittsville ON K2S1B9	40.0	9
JEFF SEVIGNY	2 Brandly Green Court Stitsville ON K1S 1V7	89.1	25
Noremtech Inc.	1 Sweetnam Drive, Unit # 202 Stittsville ON K2S 1G3	102.2	30
Noremtech Inc.	1 Sweetman Drive, Unit 202 Stittsville ON K2S 1G3	102.2	30
Bell	5854 Hazeldean Stittsville ON K2S 1B9	115.1	34
Noremtech Inc.	7 Sweetman Drive, Unit 385 Stittsville ON K2S 1G3	120.2	36
Noremtech Inc.	7 Sweetman Drive, Unit 385 Stittsville ON K2S 1G3	120.2	36
Everline Coatings	Unit E - 9 Sweetnam Dr. Stittsville ON K9V 6G3	144.0	45
Mark Marshall	62 Bradley Green Court Stitsville ON K2S 1B7	173.3	62
CDS RENTAL SERVICE LIMITED	8 SWEETNAM DRIVE STITTSVILLE ON K2S 1G2	174.1	63
C D S RENTAL SERVICE LIMITED 08-875	8 SWEETNAM DRIVE STITTSVILLE ON K2S 1G2	174.1	63
CDS Group of Companies	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63

Site	Address	Distance (m)	Map Key
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON	174.1	63
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63
2088099 Ontario Inc.	8 Sweetnam Drive Stittsville ON K2S 1G2	174.1	63
CDS Store-All Limited	8 Sweetnam Drive Ottawa ON K2S 1G2	174.1	63
Murray Smith	18 Bradley Green Court Stitsville ON K2S 1B7	181.9	69
ABBOTSFORD MOVING AND STORAGE LTD.	11 SWEETNAM DRIVE UNIT 506 & 507 STITTSVILLE ON K2S 1G3	215.1	90
ABBOTSFORD MOVING AND STORAGE LTD.	11 SWEETNAM DRIVE, UNIT 506,507 STITTSVILLE ON K2S 1G3	215.1	90

Site	Address	Distance (m)	Map Key
CDS Store-All Ltd	11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	215.1	90
CDS Store-All Ltd	11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	215.1	90
CDS Store-All Ltd	11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	215.1	90
STITTSVILLE BICYCLE REPAIRS	5931-B HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	223.4	91
FRANK CANTUSCI UPHOLSTERY	5933 HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	235.6	94
Stone Mills Environmental Services	5938 Hazeldean Rd Ottawa ON	248.2	103

HINC - TSSA Historic Incidents

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

Site	Address	Distance (m)	Map Key
	27 BRADLEY GREEN COURT STITTSVILLE ON	189.9	74
	BETWEEN 10 & 12 VICTOR STREET STITTSVILLE ON	195.7	83

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 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	5883 Hazeldean Road, Ottawa ON K2S 1B9	82.0	21

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Sep 30, 2024 has found that there are 2 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CHRISTOPHER MULLINS O/A KODIAK	7 SWEETNAM DR STITTSVILLE ON K251B9	120.2	36
CHRISTOPHER MULLINS O/A KODIAK	3 JOHNWOODS STITTSVILLE ON K251B9	146.6	48

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 5 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
CDS BUILDING MOVERS	5862 HAZELDEAN RD,,STITTSVILLE,ON, K2S 1B9,CA ON	40.0	9
	5883 Hazeldean Road, Ottawa ON	82.0	21
ENBRIDGE GAS INC	9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3, CA ON	144.0	45
ENBRIDGE GAS INC	9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3, CA ON	144.0	45
	Hazeldean Road & Victor Street, Ottawa ON	147.2	49

PRT - Private and Retail Fuel Storage Tanks

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

Site	Address	Distance (m)	Map Key
MR GAS LIMITED ATTN LILIANNE LEVAC	5899 HAZELDEAN RD HWY 7 & 15 STITTSVILLE ON	96.9	27

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Oct 2024 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
HAZELDEAN CROSSING INC.	5938 HAZELDEAN ROAD ON Ottawa ON	248.2	103

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Apr 30, 2024 has found that there are 4 RST site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	96.9	27
MR GAS 004	5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	96.9	27
NATIONAL PETROLEUM	5938 HAZELDAN RD STITTSVILLE ON K2S 1A9	248.2	103
SAAB GAS CENTRE	5938 HAZELDAN RD STITTSVL ON K2S 1A9	248.2	103

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug 2024 has found that there are 18 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Enbridge Gas Distribution Inc.	5862 Hazeldean Road, building 2 and 3 Ottawa ON	40.0	9
Enbridge Gas Distribution Inc.	5906 Hazelvean Road Ottawa ON	82.6	22
PRIVATE RESIDENCE	2 BRADLEY GREEN COURT, STITTSVILLE FUEL STORAGE TANK OTTAWA CITY ON K2S 1B7	89.1	25
PRIVATE RESIDENCE	#5 BRADLEY GREEN FURNACE OIL TANK GOULBOURN TOWNSHIP ON	93.4	26
PRIVATE RESIDENCE	TRAILER IN STITTSVILLE AT 13 ROWAN RD. FURNACE OIL TANK GOULBOURN TOWNSHIP ON	123.0	38
PRIVATE RESIDENCE	12 ROWAN ROAD, STITTSVILLE FURNACE OIL TANK GOULBOURN TOWNSHIP ON	125.5	39
PRIVATE RESIDENCE	20 SAVAGE ST., STITTSVILLE. FURNACE OIL TANK GOULBOURN TOWNSHIP ON	132.6	43
Enbridge Gas Distribution Inc.	9 Sweetnam Drive Ottawa ON	144.0	45
	Hazeldean Rd east of Johnwood St Ottawa ON	144.5	46
Enbridge Gas Distribution Inc.	Corner of Hazeldean Road and Victor Street Ottawa ON	147.2	49
	Hazledean Road and Victor Street, Ottawa OTTAWA ON	147.2	49

Site	Address	Distance (m)	Map Key
CDS Rental Service Ltd. - Trailer Park<UNOFFICIAL>	62 Bradley Green Cres., Stittsville Ottawa ON K2S 1B7	173.3	62
S. 21	18 BRADLEY GREEN CRES., STITTSVILLE. <UNOFFICIAL> Ottawa ON	181.9	69
	18 Bradely Green Court Ottawa ON	181.9	69
S. 21(1)(f)	27 Bradly Green, Stittsville.<UNOFFICIAL> Ottawa ON	189.9	74
	5924 Hazeldean Rd, Unit 10, Ottawa OTTAWA ON	190.2	76
PRIVATE RESIDENCE	52 BRADLEY GREEN COURT FURNACE OIL TANK GOULBOURN TOWNSHIP ON	193.3	80
Enbridge Gas Distribution Inc.	10 & 12 Victor Street, Stittsville Ottawa ON	195.7	83

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 58 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 26 con 11 ON ***Well ID:*** 1502927	0.6	2
	lot 26 con 11 ON ***Well ID:*** 1502914	26.9	4
	lot 26 con 11 ON	28.1	5

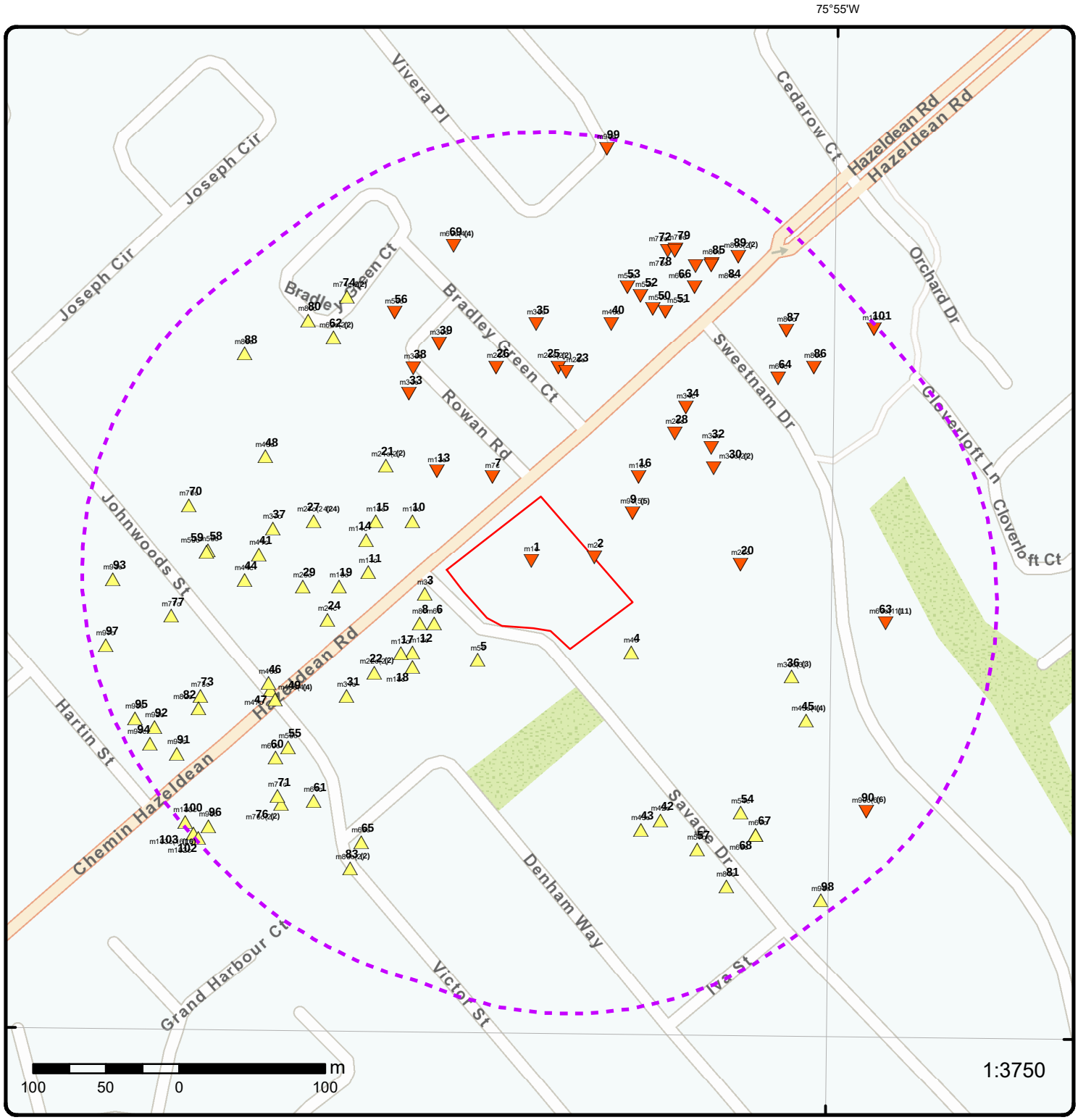
Site	Address	Distance (m)	Map Key
	Well ID: 1502916		
	lot 26 con 11 ON ***Well ID:*** 1502915	29.4	6
	lot 26 con 12 ON ***Well ID:*** 1502976	40.9	10
	lot 26 con 12 ON ***Well ID:*** 1502979	53.6	11
	lot 26 con 11 ON ***Well ID:*** 1502909	53.9	12
	lot 26 con 12 ON ***Well ID:*** 1513392	57.3	13
	5891 HAZELDEAN ROAD lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7105320	58.8	14
	lot 26 con 12 ON ***Well ID:*** 1502970	59.0	15
	lot 26 con 11 ON ***Well ID:*** 1510451	59.3	16
	lot 26 con 11 ON ***Well ID:*** 1502908	60.6	18
	lot 26 con 12 ON ***Well ID:*** 1502977	74.4	19
	lot 25 con 12 ON ***Well ID:*** 1532753	87.0	23

Site	Address	Distance (m)	Map Key
	lot 26 con 11 ON ***Well ID:*** 1502910	97.8	**28**
	lot 26 con 12 ON ***Well ID:*** 1502974	99.2	**29**
	lot 26 con 11 ON ***Well ID:*** 1502926	110.2	**32**
	lot 26 con 12 ON ***Well ID:*** 1514248	110.8	**33**
	lot 26 con 12 ON ***Well ID:*** 1502975	118.3	**35**
	lot 26 con 12 ON ***Well ID:*** 7347117	122.5	**37**
	5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON ***Well ID:*** 7249191	127.7	**40**
	lot 26 con 12 ON ***Well ID:*** 1514141	129.0	**41**
	lot 26 con 11 ON ***Well ID:*** 1502920	132.6	**42**
	lot 26 con 12 ON ***Well ID:*** 1510030	138.7	**44**
	lot 26 con 12 ON ***Well ID:*** 1502973	149.6	**50**
	5835 HAZELDEAN ROAD STITTSVILLE ON	152.4	**51**

Site	Address	Distance (m)	Map Key
	Well ID: 7140551		
	5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON ***Well ID:*** 7249192	153.3	52
	5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON ***Well ID:*** 7249193	155.1	53
	lot 26 con 11 ON ***Well ID:*** 1502923	159.9	54
	lot 25 con 11 ON ***Well ID:*** 1502905	160.6	55
	lot 26 con 11 ON ***Well ID:*** 1502918	162.4	57
	lot 26 con 12 ON ***Well ID:*** 1511636	164.1	58
	lot 26 con 12 ON ***Well ID:*** 1514142	165.0	59
	5924 HAZELDEAN RD lot 26 con 11 STITTSVILLE ON ***Well ID:*** 7350097	171.6	60
	5924 HAZELDEAN RD lot 26 con 11 STITTSVILLE ON ***Well ID:*** 7350098	172.9	61
	5835 HAZLEDEAN ROAD STITTSVILLE ON ***Well ID:*** 7140552	177.8	66
	lot 26 con 11 ON ***Well ID:*** 1502925	177.9	68

Site	Address	Distance (m)	Map Key
	lot 26 con 12 ON ***Well ID:*** 1514143	182.1	70
	lot 26 con 12 ON ***Well ID:*** 1509896	189.4	72
	lot 25 con 12 ON ***Well ID:*** 1502966	189.4	73
	lot 25 con 12 ON ***Well ID:*** 1502965	191.2	77
	lot 26 con 12 ON ***Well ID:*** 1502972	191.7	78
	5835 HAZELDEAN ROAD lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7253249	192.8	79
	lot 26 con 11 ON ***Well ID:*** 1502917	194.3	81
	lot 26 con 12 ON ***Well ID:*** 1502980	196.8	84
	ON ***Well ID:*** 7188847	197.8	85
	lot 26 con 11 ON ***Well ID:*** 1502911	199.1	86
	lot 26 con 12 ON ***Well ID:*** 1502971	203.1	88
	5831 AND 5835 HAZELDEAN RD. OTTAWA ON	212.8	89

Site	Address	Distance (m)	Map Key
	Well ID: 7146134		
	5831 AND 5835 HAZELDON RD. OTTAWA ON ***Well ID:*** 7146224	212.8	89
	lot 25 con 12 ON ***Well ID:*** 1502967	236.4	95
	5938 HAZELDEAN RD lot 25 con 11 STITTSVILLE ON ***Well ID:*** 7350096	237.3	96
	lot 25 con 12 ON ***Well ID:*** 1502964	239.2	97
	lot 26 con 11 ON ***Well ID:*** 1502922	240.9	98
	5835 lot 26 con 12 STITTSVILLE ON ***Well ID:*** 7314302	242.5	99
	5938 HAZELDEAN RD lot 25 con 11 STITTSVILLE ON ***Well ID:*** 7350099	247.4	100
	lot 26 con 11 ON ***Well ID:*** 7387246	247.4	101
	5438 Hazeldean Rd Ottawa ON ***Well ID:*** 7374878	247.8	102



Map: 0.25 Kilometer Radius

Order Number: 24111800922

Address: 5872, 5880 & 5884 Hazeldean Road and 7 Savage 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)

Source: © 2021 ESRI StreetMap Premium.

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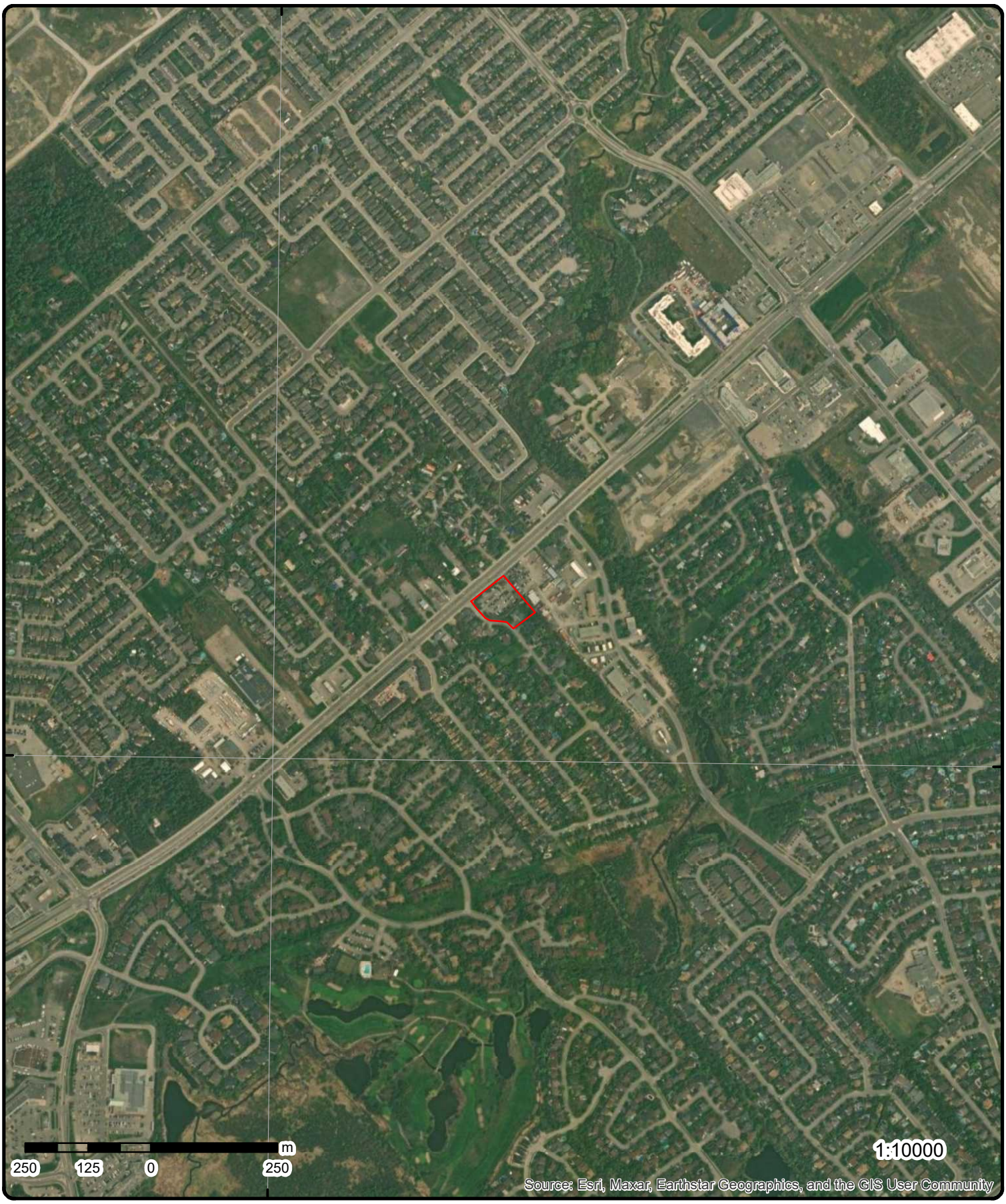

Aerial

Year: 2023

Order Number: 24111800922

Address: 5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive, Ottawa, ON

Source: ESRI World Imagery

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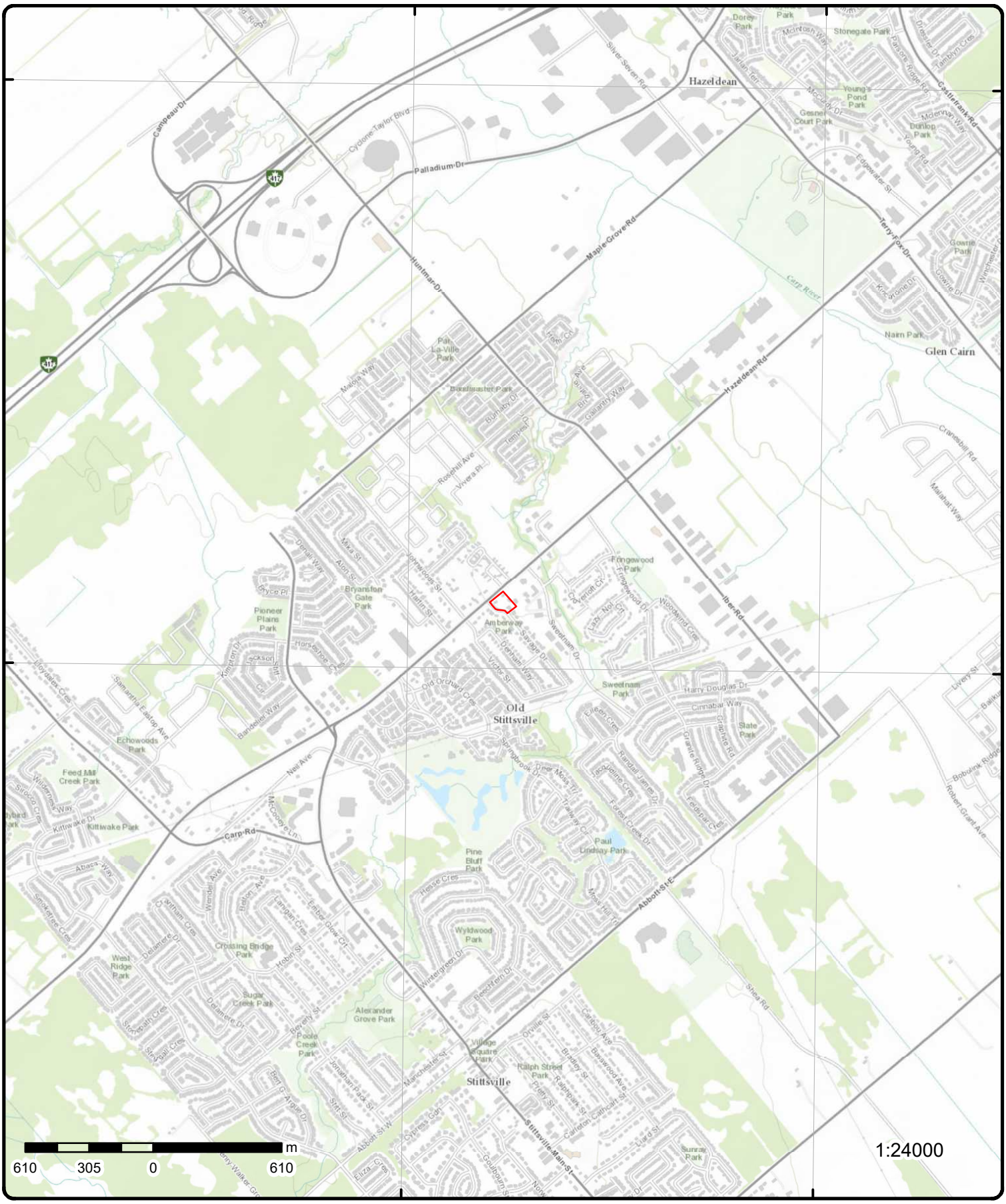

Topographic Map

Order Number: 24111800922

Address: 5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive, ON

Source: ESRI World Topographic Map

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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	NW/0.0	108.9 / -0.08	5872 Hazeldean Rd Ottawa ON K2S 1B9	EHS

Order No:	24042500204	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	30-APR-24	**Search Radius (km):**	.25
Date Received:	25-APR-24	**X:**	-75.9192878
Previous Site Name:		**Y:**	45.2779119
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	ENE/0.6	107.9 / -1.08	lot 26 con 11 ON	WWIS

Well ID:	1502927	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Commerical	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/22/1965
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502927.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/12/1965
Year Completed:	1965
Depth (m):	26.8224
Latitude:	45.2779374781541
Longitude:	-75.9187348409644
X:	-75.91873467970545
Y:	45.2779374714793
Path:	150\1502927.pdf

Bore Hole Information

Bore Hole ID:	10024970	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427940.60
Code OB Desc:		**North83:**	5014237.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	07/12/1965	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995591
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 88.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995590
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502927
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573540
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930042722
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	88.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042721
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	23.0
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:	991502927
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	30.0
Pumping Rate:	15.0
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

Water Details

Water ID:	933455740
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	W/21.9	109.9 / 0.92	2 Savage Drive Stittsville ON K2S 1B9	EHS

Order No:	20121107007	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	13-NOV-12	***Search Radius (km):***	.25

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

Date Received:	07-NOV-12	**X:**	-75.920215
Previous Site Name:		**Y:**	45.277701
Lot/Building Size:			
Additional Info Ordered:			

4 **1 of 1** **ESE/26.9** **109.6 / 0.59** **lot 26 con 11 ON** **WWIS**

Well ID:	1502914	**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:**	06/05/1959
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4825
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502914.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/28/1959
Year Completed:	1959
Depth (m):	21.336
Latitude:	45.2773550201082
Longitude:	-75.9184067017749
X:	-75.91840654056156
Y:	45.27735501356344
Path:	150\1502914.pdf

Bore Hole Information

Bore Hole ID:	10024957	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427965.60
Code OB Desc:		**North83:**	5014172.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	04/28/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995565
Layer:	1
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502914
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573527
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042695
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	19.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042696
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502914
Pump Set At:	
Static Level:	15.0

Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455726
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	65.0
Water Found Depth UOM:	ft

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5 ***1 of 1*** ***SW/28.1*** ***109.9 / 0.92*** ***lot 26 con 11 ON*** ***WWIS***

Well ID:	1502916	***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:***	09/08/1959
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4833
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	11
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502916.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/06/1959
Year Completed:	1959
Depth (m):	23.1648
Latitude:	45.2772992466087
Longitude:	-75.9197445051218
X:	-75.91974434358434
Y:	45.27729924017643
Path:	150\1502916.pdf

Bore Hole Information

Bore Hole ID:	10024959	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427860.60
Code OB Desc:		**North83:**	5014167.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	06/06/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995569
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 76.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995568
Layer: 1
Color:
General Color:
Material 1: 26
Material 1 Desc: ROCK
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10573529

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042700
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042699
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502916
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 12.0
Recommended Pump Depth: 12.0
Pumping Rate: 5.0
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: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933455728
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 74.0
Water Found Depth UOM: ft

6	*1 of 1*	*WSW/29.4*	*109.9 / 0.92*	*lot 26 con 11 ON*	*WWIS*

Well ID: 1502915 ***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:**	06/05/1959
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4833
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502915.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/30/1959
Year Completed: 1959
Depth (m): 26.5176
Latitude: 45.2775211741903
Longitude: -75.9201305787464
X: -75.92013041778735
Y: 45.27752116737635
Path: 150\1502915.pdf

Bore Hole Information

Bore Hole ID:	10024958	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427830.60
Code OB Desc:		**North83:**	5014192.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	05/30/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995566
Layer: 1
Color:
General Color:
Material 1: 26
Material 1 Desc: ROCK
Material 2:
Material 2 Desc:
Material 3:

Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995567
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 87.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042697
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042698
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 87.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502915
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	30.0
Pumping Rate:	5.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455727
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

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7 ***1 of 1*** ***NW/30.8*** ***107.9 / -1.03*** ***ON*** ***BORE***

Borehole ID:	609598	***Inclin FLG:***	No
OGF ID:	215511214	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	JUL-1969	***Municipality:***	
Static Water Level:	81.1	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.278426
Total Depth m:	32.3	***Longitude DD:***	-75.919635
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	427871
Drill Method:		***Northing:***	5014292
Orig Ground Elev m:	108	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	109		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218383602	***Mat Consistency:***	Dense
Top Depth:	4.9	***Material Moisture:***	
Bottom Depth:	32.3	***Material Texture:***	
Material Color:	Blue	***Non Geo Mat Type:***	
Material 1:	Limestone	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: LIMESTONE. BLUE. 00089FEET.VERY DENSE. BEDROCK. SEISMIC VELOCITY = 11500. BEDRO **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218383600
Top Depth: 0
Bottom Depth: .3
Material Color:
Material 1: Soil
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: SOIL.

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

Geology Stratum ID: 218383601
Top Depth: .3
Bottom Depth: 4.9
Material Color:
Material 1: Clay
Material 2: Boulders
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,BOULDERS.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 02106 NTS_Sheet:
Confiden 1:

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

Source List

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

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

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8 | ***1 of 1*** | ***WSW/36.9*** | ***109.9 / 0.92*** | ***ON*** | ***BORE***

Borehole ID: 609594
OGF ID: 215511210
Status:
Type: Borehole
Use:
Completion Date:
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: -999
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 108

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.277521
Longitude DD: -75.920258
UTM Zone: 18
Easting: 427821
Northing: 5014192
Location Accuracy:

Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	112		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218383594	**Mat Consistency:**	Dense
Top Depth:	5.5	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,LIMESTONE. UNSPECIFIED,TILL. VERY DENSE. BEDROCK. SEISMIC VELOCITY = 11500.		

Geology Stratum ID:	218383593	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	5.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,BOULDERS.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 021020 NTS_Sheet: 31G05D		
Confiden 1:	Reliable information but incomplete.		

Source List

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

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9 | ***1 of 5*** | ***ENE/40.0*** | ***107.3 / -1.62*** | ***2316984 ONTARIO INC.***
5862 HAZELDEAN RD
STITTSVILLE ON K2S 1B9 | ***EASR***

Approval No:	R-001-9665121529	**MOE District:**	Ottawa
Status:	REGISTERED	**Municipality:**	STITTSVILLE
Date:	2016-10-05	**Latitude:**	45.26833333
Record Type:	EASR	**Longitude:**	-75.91805556
Link Source:	MOFA	**Geometry X:**	
Project Type:	Automotive Refinishing Facility	**Geometry Y:**	
Full Address:			

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

Approval Type: EASR-Automotive Refinishing Facility
SWP Area Name: Mississippi Valley
PDF NAICS Code:
PDF URL:
PDF Site Location:

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9 | **2 of 5** | **ENE/40.0** | **107.3 / -1.62** | **CDS BUILDING MOVERS**
5862 HAZELDEAN RD,,STITTSVILLE,ON,K2S 1B9,CA
ON | **PINC**

Incident Id:
Incident No: 1958216
Incident Reported Dt: 10/13/2016
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: CDS BUILDING MOVERS
Incident Address: 5862 HAZELDEAN RD,,STITTSVILLE,ON,K2S 1B9,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

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

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9 | **3 of 5** | **ENE/40.0** | **107.3 / -1.62** | **Enbridge Gas Distribution Inc.**
5862 Hazeldean Road, building 2 and 3
Ottawa ON | **SPL**

Ref No: 8314-AEPL3A
Year:
Incident Dt: 10/13/2016
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/13/2016
Dt Document Closed:
Site No: NA
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: commercial<UNOFFICIAL>
Site Address: 5862 Hazeldean Road, building 2 and 3
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:
Impact to Health:
Agency Involved:

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

Entity Operating Name:	
Client Name:	Enbridge Gas Distribution Inc.
Client Type:	
Source Type:	
Incident Cause:	
Incident Preceding Spill:	Leak/Break
Incident Reason:	Operator/Human Error
Incident Summary:	TSSA: 1 1/4" line strike -made safe-
Environment Impact:	
Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	0 other - see incident description
Contaminant Qty 1:	0
Contaminant Unit:	other - see incident description
Contaminant Code:	35
Contaminant Name:	NATURAL GAS (METHANE)
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Air
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Miscellaneous Communal
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	4 of 5	ENE/40.0	107.3 / -1.62	CDS Store-All Ltd 5862 Hazeldean Rd Stittsville ON K2S1B9	GEN

Generator No:	ON6050161
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:	146 L
Waste Class Name:	Other specified inorganic sludges, slurries or solids
Waste Class:	251 L
Waste Class Name:	Waste oils/sludges (petroleum based)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	5 of 5	ENE/40.0	107.3 / -1.62	CDS Store-All Ltd 5862 Hazeldean Rd Stittsville ON K2S1B9	GEN

Generator No:	ON6050161
SIC Code:	
SIC Description:	
Approval Years:	As of Jan 2021

PO Box No:
Country: Canada
Status: Registered
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

Detail(s)

Waste Class: 146 L
Waste Class Name: Other specified inorganic sludges, slurries or solids

Waste Class: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

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10 | ***1 of 1*** | ***WNW/40.9*** | ***109.9 / 0.95*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID: 1502976
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/16/1957
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502976.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/18/1957
Year Completed: 1957
Depth (m): 21.336
Latitude: 45.2781496561148
Longitude: -75.9203319832926
X: -75.92033182175065
Y: 45.27814964967778
Path: 150\1502976.pdf

Bore Hole Information

Bore Hole ID: 10025019
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:

Elevation:
Elevrc:
Zone: 18
East83: 427815.60
North83: 5014262.00
Org CS:

Cluster Kind:
Date Completed: 07/18/1957
Remarks:
Location 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:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: p9

Overburden and Bedrock Materials Interval

Formation ID: 930995704
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995702
Layer: 1
Color: 7
General Color: RED
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995703
Layer: 2
Color: 2
General Color: GREY
Material 1: 14
Material 1 Desc: HARDPAN
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961502976
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573589
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042819
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042820
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502976
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	
Pumping Rate:	3.0
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:	933455797

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70.0
Water Found Depth UOM:	ft

11 | **1 of 1** | **W/53.6** | **109.8 / 0.88** | **lot 26 con 12 ON** | **WWIS**

Well ID:	1502979	**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:**	01/05/1960
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502979.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/11/1959
Year Completed:	1959
Depth (m):	20.7264
Latitude:	45.2778315622466
Longitude:	-75.9207093308986
X:	-75.92070916976778
Y:	45.2778315554002
Path:	150\1502979.pdf

Bore Hole Information

Bore Hole ID:	10025022	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427785.60
Code OB Desc:		**North83:**	5014227.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	08/11/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995710
Layer:	1
Color:	
General Color:	
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	09
Material 2 Desc:	MEDIUM SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995711
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	68.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID:	930042826
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	68.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042825
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502979
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	25.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	4.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455802
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68.0
Water Found Depth UOM:	ft

12 ***1 of 1*** ***WSW/53.9*** ***109.8 / 0.83*** ***lot 26 con 11 ON*** ***WWIS***

Well ID:	1502909	***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:***	06/19/1953
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4824
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	11
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502909.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/23/1953
Year Completed: 1953
Depth (m): 14.0208
Latitude: 45.2773396269251
Longitude: -75.9203188878331
X: -75.92031872708196
Y: 45.277339620199726
Path: 150\1502909.pdf

Bore Hole Information

Bore Hole ID: 10024952
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/23/1953
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 427815.60
North83: 5014172.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995556
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 46.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995555
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:

Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042685
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042686
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 46.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502909
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 10.0
Recommended Pump Depth:
Pumping Rate: 4.0
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: 933455721
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

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13 | ***1 of 1*** | ***NW/57.3*** | ***108.9 / -0.08*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1513392	***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:***	08/13/1973
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	2425
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	12
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513392.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/05/1973
Year Completed: 1973
Depth (m): 24.384
Latitude: 45.2784574133478
Longitude: -75.9201202120212
X: -75.92012005115278
Y: 45.278457406548846
Path: 151\1513392.pdf

Bore Hole Information

Bore Hole ID:	10035378	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427832.60
Code OB Desc:		***North83:***	5014296.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	07/05/1973	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:

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

Overburden and Bedrock Materials Interval

Formation ID: 931023248
Layer: 1
Color:
General Color:
Material 1: 13
Material 1 Desc: BOULDERS
Material 2: 28
Material 2 Desc: SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931023249
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513392
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10583948
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062653
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0

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

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991513392
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934099223
Test Type: Draw Down
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639613
Test Type: Draw Down
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897084
Test Type: Draw Down
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378618
Test Type: Draw Down
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933468938
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

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14 | **1 of 1** | **W/58.8** | **109.8 / 0.88** | **5891 HAZELDEAN ROAD lot 26 con 12 STITTSVILLE ON** | **WWIS**

Well ID: 7105320
Construction Date:
Use 1st: Monitoring
Use 2nd:
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z63817
Tag: A051306
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 02/26/2008
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1844
Form Version: 4
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7105320.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/08/2008
Year Completed: 2008
Depth (m): 8.8
Latitude: 45.2780294049152
Longitude: -75.9207329302603
X: -75.92073276848568
Y: 45.27802939819811
Path: 710\7105320.pdf

Bore Hole Information

Bore Hole ID: 1001598148
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/08/2008
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427784.00
North83: 5014249.00
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1001724500
Layer: 2
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.029999999329447746
Formation End Depth: 0.30000001192092896
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724499
Layer: 1
Color:
General Color:
Material 1:
Material 1 Desc:
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.029999999329447746
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724502
Layer: 4
Color: 6
General Color: BROWN
Material 1: 34
Material 1 Desc: TILL
Material 2: 81
Material 2 Desc: SANDY
Material 3: 13
Material 3 Desc: BOULDERS
Formation Top Depth: 2.180000066757202
Formation End Depth: 4.800000190734863
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724503
Layer: 5
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 26
Material 2 Desc: ROCK
Material 3:
Material 3 Desc:
Formation Top Depth: 4.800000190734863

Formation End Depth: 8.800000190734863
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001724501
Layer: 3
Color: 6
General Color: BROWN
Material 1: 34
Material 1 Desc: TILL
Material 2: 81
Material 2 Desc: SANDY
Material 3:
Material 3 Desc:
Formation Top Depth: 0.30000001192092896
Formation End Depth: 2.180000066757202
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001724505
Layer: 1
Plug From: 0.0
Plug To: 4.0
Plug Depth UOM: m

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 1001724507
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 6.5
Casing Diameter: 5.099999904632568
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1001724508
Layer:
Slot:

Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Water Details

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

Hole Diameter

Hole ID: 1001724504
Diameter: 20.0
Depth From:
Depth To: 8.800000190734863
Hole Depth UOM: m
Hole Diameter UOM: cm

---

15 | **1 of 1** | **WNW/59.0** | **109.9 / 0.92** | **lot 26 con 12 ON** | **WWIS**

Well ID: 1502970
Construction Date:
Use 1st: Commerical
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/21/1949
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502970.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/15/1948
Year Completed: 1948
Depth (m): 10.668
Latitude: 45.2781470874001
Longitude: -75.9206506853522
X: -75.92065052414534
Y: 45.278147080149964
Path: 150\1502970.pdf

Bore Hole Information

Bore Hole ID:	10025013	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427790.60
Code OB Desc:		***North83:***	5014262.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	04/15/1948	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9

Location 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: 930995691
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995690
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042809
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 35.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042808
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 8.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502970
Pump Set At:
Static Level: 6.0
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate: 4.0
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: 933455789
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 34.0
Water Found Depth UOM: ft

16	*1 of 1*	*NE/59.3*	*106.7 / -2.26*	*lot 26 con 11 ON*	*WWIS*

Well ID:	1510451	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Municipal	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	01/27/1970
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	2402
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510451.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/09/1969
Year Completed: 1969
Depth (m): 32.3088
Latitude: 45.2784355721519
Longitude: -75.9183603854739
X: -75.9183602242473
Y: 45.27843556517198
Path: 151\1510451.pdf

Bore Hole Information

Bore Hole ID:	10032479	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427970.60
Code OB Desc:		**North83:**	5014292.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/09/1969	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931014927
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13

Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931014928
Layer: 3
Color: 3
General Color: BLUE
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 106.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931014926
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510451
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581049
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057544
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 20.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930057545
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 106.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991510451
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 81.0
Recommended Pump Depth:
Pumping Rate: 30.0
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: 2
Pumping Duration HR: 3
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934897502
Test Type: Recovery
Test Duration: 60
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934640579
Test Type: Recovery
Test Duration: 45
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097102
Test Type: Recovery
Test Duration: 15
Test Level: 42.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934378446
Test Type:	Recovery
Test Duration:	30
Test Level:	10.0
Test Level UOM:	ft

Water Details

Water ID:	933465445
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	89.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933465444
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	30.0
Water Found Depth UOM:	ft

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17 | ***1 of 1*** | ***WSW/60.2*** | ***109.8 / 0.83*** | ***5900 Hazeldean Road Stittsville ON K2S 1B9*** | ***EHS***

Order No:	23083000116	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	05-SEP-23	***Search Radius (km):***	.25
Date Received:	30-AUG-23	***X:***	-75.9204201
Previous Site Name:		***Y:***	45.2773336
Lot/Building Size:			
Additional Info Ordered:			

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18 | ***1 of 1*** | ***WSW/60.6*** | ***109.8 / 0.83*** | ***lot 26 con 11 ON*** | ***WWIS***

Well ID:	1502908	***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:***	01/04/1952
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4824
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	11
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502908.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/20/1951
Year Completed: 1951
Depth (m): 21.336
Latitude: 45.2772496236745
Longitude: -75.9203174328164
X: -75.92031727181933
Y: 45.27724961726412
Path: 150\1502908.pdf

Bore Hole Information

Bore Hole ID: 10024951
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/20/1951
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 427815.60
North83: 5014162.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995554
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 70.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995553
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:

Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042684
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042683
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502908
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 5.0
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: 933455720
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65.0
Water Found Depth UOM: ft

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19 | **1 of 1** | **W/74.4** | **110.9 / 1.92** | **lot 26 con 12 ON** | **WWIS**

Well ID: 1502977
Construction Date:
Use 1st: Commerical
Use 2nd: Domestic
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/08/1959
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502977.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/08/1957
Year Completed: 1957
Depth (m): 21.0312
Latitude: 45.2777395032883
Longitude: -75.9209628350363
X: -75.92096267426494
Y: 45.27773949634362
Path: 150\1502977.pdf

Bore Hole Information

Bore Hole ID: 10025020
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/08/1957
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone: 18
East83: 427765.60
North83: 5014217.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

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

Overburden and Bedrock Materials Interval

Formation ID: 930995705
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 25.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995706
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 25.0
Formation End Depth: 69.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042821
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

Construction Record - Casing

Casing ID:	930042822
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	69.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502977
Pump Set At:	
Static Level:	18.0
Final Level After Pumping:	23.0
Recommended Pump Depth:	23.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	7.0
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:	933455798
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

20 ***1 of 1*** ***E/78.6*** ***107.9 / -1.08*** ***ON*** ***BORE***

Borehole ID:	609597	**Inclin FLG:**	No
OGF ID:	215511213	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	-18.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.277903
Total Depth m:	-999	**Longitude DD:**	-75.917459
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	428041
Drill Method:		**Northing:**	5014232
Orig Ground Elev m:	108	**Location Accuracy:**	

Elev Reliabil Note: ***Accuracy:*** Not Applicable
DEM Ground Elev m: 105
Concession:
Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218383599 ***Mat Consistency:*** Dense
Top Depth: 0 ***Material Moisture:***
Bottom Depth: ***Material Texture:***
Material Color: ***Non Geo Mat Type:***
Material 1: Bedrock ***Geologic Formation:***
Material 2: Limestone ***Geologic Group:***
Material 3: ***Geologic Period:***
Material 4: ***Depositional Gen:***
Gsc Material Description:
Stratum Description: BEDROCK,LIMESTONE. LIMESTONE. STABLE AT 415.0 FEET.VERY DENSE. BEDROCK. SEISMIC VE **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey ***Source Appl:*** Spatial/Tabular
Source Orig: Geological Survey of Canada ***Source Iden:*** 1
Source Date: 1956-1972 ***Scale or Res:*** Varies
Confidence: M ***Horizontal:*** NAD27
Observatio: ***Verticalda:*** Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 021050 NTS_Sheet: 31G05D
Confiden 1: Reliable information but incomplete.

Source List

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

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21 ***1 of 2*** ***WNW/82.0*** ***109.9 / 0.97*** ***5883 Hazeldean Road, Ottawa ON K2S 1B9*** ***INC***

Incident No: 401028 ***Any Health Impact:***
Incident ID: 2552684 ***Any Enviro Impact:***
Instance No: ***Service Intrp:***
Status Code: Causal Analysis Complete ***Was Prop Damaged:***
Incident Status: ***Reside App. Type:***
Incident Severity: ***Commer App. Type:***
Task No: ***Indus App. Type:***
Attribute Category: FS-Incident ***Institut App. Type:***
Context: ***Depth Ground Cover:*** 1 m
Date of Occurrence: ***Operation Pressure:*** 65
Time of Occurrence: ***Equipment Type:***
Occr Insp Start Dt: ***Equipment Model:***
Incident Creat On: ***Serial No:***
Instance Creat Dt: ***Cylinder Capacity:***
Instance Install Dt: ***Cylinder Cap Units:***
Approx Quant Rel: ***Cylinder Mat Type:***
Tank Capacity: ***Pump Flow Rate Cap:***
Fuels Occur Type: ***Contam. Migrated:***

Occur Type Rpt:		**Near Body of Water:**	
Occur Category:		**Drainage System:**	
Fuel Type Involved:		**Sub Surface Contam:**	
Fuel Type Reported:		**Tank Material Type:**	
Enforcement Policy:		**Tank Storage Type:**	
Prc Escalation Req:		**Tank Location Type:**	

Item:
Item Description:
Device Installed Location:
Venting Type:
Vent Conn Mater:
Vent Chimney Mater:
Pipeline Type: Service / Riser Distribution Pipeline
Pipeline Involved:
Pipe Material: Plastic
Regulator Location: Outside
Regulator Type: Service Regulator (up to 60 psi intake)
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:
Liquid Prop Notes:
Inventory Address: 5883 Hazeldean Road, Ottawa - 1/2" Pipeline Hit
Invent Postal Code:
Notes:
Contact Natural Env:
Aff Prop Use Water:
Occurence Narrative:
Operation Type Involved:

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21 | ***2 of 2*** | ***WNW/82.0*** | ***109.9 / 0.97*** | ***5883 Hazeldean Road, Ottawa ON*** | ***PINC***

Incident Id:	2646708	**Pipe Material:**	Plastic
Incident No:	490404	**Fuel Category:**	Natural Gas
Incident Reported Dt:		**Health Impact:**	No
Type:	FS-Pipeline Incident	**Environment Impact:**	No
Status Code:	Pipeline Damage Reason Est	**Property Damage:**	No
Tank Status:	RC Established	**Service Interrupt:**	No
Task No:	3148569	**Enforce Policy:**	Yes
Spills Action Centre:		**Public Relation:**	No
Fuel Type:	Natural Gas	**Pipeline System:**	
Fuel Occurrence Tp:	Pipeline Strike	**PSIG:**	
Date of Occurrence:	8/30/2010 0:00	**Attribute Category:**	FS-Perform P-line Inc Invest
Occurrence Start Dt:	2011/05/26	**Regulator Location:**	Outside
Depth:	24	**Method Details:**	E-mail

Customer Acct Name:
Incident Address:
Operation Type: Construction Site (pipeline strike)
Pipeline Type: Service / Riser Distribution Pipeline
Regulator Type: Service Regulator (up to 60 psi intake)
Summary: 5883 Hazeldean Road, Ottawa - 1/2" Pipeline Hit
Reported By: Armstrong, Alan - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:
Damage Reason: Excavation practices not sufficient
Notes: Failing to hand dig

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22 | ***1 of 2*** | ***WSW/82.6*** | ***110.9 / 1.92*** | ***5906 Hazeldean Rd Ottawa ON K2S1B9*** | ***EHS***

Order No:	20180312217	**Nearest Intersection:**	
Status:	C	**Municipality:**	Goulbourn

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

Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	19-MAR-18	**Search Radius (km):**	.25
Date Received:	12-MAR-18	**X:**	-75.920622
Previous Site Name:	Residential?	**Y:**	45.277137
Lot/Building Size:	16537.6 ft^2		
Additional Info Ordered:	City Directory		

22 **2 of 2** **WSW/82.6** **110.9 / 1.92** **Enbridge Gas Distribution Inc.**
5906 Hazelvean Road
Ottawa ON
SPL

Ref No:	0808-B4QRUZ	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:	2018/09/18	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	2018/09/18	**Impact to Health:**	2 - Minor Environment
Dt Document Closed:		**Agency Involved:**	

Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: commercial site business<UNOFFICIAL>
Site Address: 5906 Hazelvean Road
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: Enbridge Gas Distribution Inc.
Client Type: Corporation
Source Type: Valve/Fitting/Piping
Incident Cause:
Incident Preceding Spill: Leak/Break
Incident Reason: Operator/Human Error
Incident Summary: TSSAfsb: 1 in pl IP gas srvce dmgd, made safe
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 0 other - see incident description
Contaminant Qty 1: 0
Contaminant Unit: other - see incident description
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1: 0
Contam Limit Freq 1: none
Contaminant UN No 1: 1075
Receiving Medium: Air
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Industrial
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
23	1 of 1	N/87.0	105.8 / -3.14	lot 25 con 12 ON	WWIS

Well ID:	1532753	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Abandoned-Other	**Date Received:**	05/06/2002
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	238132	**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1532753.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/26/2002
Year Completed:	2002
Depth (m):	
Latitude:	45.279078509322
Longitude:	-75.9190031554692
X:	-75.91900299371866
Y:	45.27907850241375
Path:	153\1532753.pdf

Bore Hole Information

Bore Hole ID:	10523881	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427921.00
Code OB Desc:		**North83:**	5014364.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	04/26/2002	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Location Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	961532753
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID: 11072451
Casing No: 1
Comment:
Alt Name:

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24 | ***1 of 1*** | ***W/88.4*** | ***110.9 / 1.92*** | ***5903 Hazeldean Road Ottawa ON K2S 1B9*** | ***EHS***

Order No: 20071113014
Status: C
Report Type: CAN - Complete Report
Report Date: 11/14/2007
Date Received: 11/13/2007
Previous Site Name:
Lot/Building Size: 4054 square metres
Additional Info Ordered: Title Search

Nearest Intersection: Hazeldean and Johnswood Street
Municipality: Ottawa (formerly Goulbourn)
Client Prov/State:
Search Radius (km): 0.25
X: -75.921061
Y: 45.277533

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25 | ***1 of 2*** | ***N/89.1*** | ***105.8 / -3.14*** | ***PRIVATE RESIDENCE 2 BRADLEY GREEN COURT, STITTSVILLE FUEL STORAGE TANK OTTAWA CITY ON K2S 1B7*** | ***SPL***

Ref No: 219760
Year:
Incident Dt:
Dt MOE Arvl on Scn:
MOE Reported Dt: 1/14/2002
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 CITY
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: OTHER CONTAINER LEAK
Incident Preceding Spill:
Incident Reason: UNKNOWN
Incident Summary: PRIVATE RESIDENCE- FUEL STORAGE TANK LEAK TO GND UNKNOWN AMOUNT.
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:

Municipality No: 20107
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

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

Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

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25 | **2 of 2** | **N/89.1** | **105.8 / -3.14** | **JEFF SEVIGNY**
2 Brandly Green Court
Stitsville ON K1S 1V7 | **GEN**

Generator No: ON4889854
SIC Code:
SIC Description:
Approval Years: 02,03,04
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

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26 | **1 of 1** | **NNW/93.4** | **106.9 / -2.05** | **PRIVATE RESIDENCE**
#5 BRADLEY GREEN FURNACE OIL TANK
GOULBOURN TOWNSHIP ON | **SPL**

Ref No: 97893
Year:
Incident Dt: 3/28/1994
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/28/1994
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: GOULBOURN TOWNSHIP
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:

Municipality No: 20604
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

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

Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Preceding Spill:
Incident Reason: CORROSION
Incident Summary: RESIDENT: 125L FURNACE OIL LEAK FROM TANK VALVE
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

27	*1 of 24*	*W/96.9*	*110.6 / 1.61*	***MR GAS LIMITED ATTN LILIANNE LEVAC*** ***5899 HAZELDEAN RD HWY 7 & 15*** ***STITTSVILLE ON***	***PRT***

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

27	*2 of 24*	*W/96.9*	*110.6 / 1.61*	***MR GAS 004*** ***5899 HAZELDEAN RD*** ***STITTSVILLE ON K2S1B9***	***RST***

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

27	*3 of 24*	*W/96.9*	*110.6 / 1.61*	***MR GAS LIMITED ATTN LILIANNE LEVAC ***** ***5899 HAZELDEAN RD HWY 7 & 15*** ***STITTSVILLE ON K2S 1B9***	***FSTH***

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

--Details--

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

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

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

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

27	4 of 24	W/96.9	110.6 / 1.61	**MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE ON**	FSTH

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

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

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

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

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

Status: Active
Year of Installation: 1991
Corrosion Protection:
Capacity: 35000

Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

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

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

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

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

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

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

27	5 of 24	W/96.9	110.6 / 1.61	**MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE ON**	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 10981738
Status: EXPIRED
Instance ID: 58514
Instance Type: FS Piping
Instance Creation Dt:
Instance Install Dt:
Item Description:
Manufacturer:
Model:
Serial No:
ULC Standard:
Quantity:
Unit of Measure:
Overfill Prot Type:
Creation Date:
Next Periodic Str DT:
TSSA Base Sched Cycle 2:

Expired Date:
Max Hazard Rank:
Facility Location:
Facility Type:
Fuel Type 2:
Fuel Type 3:
Panam Related:
Panam Venue Nm:
External Identifier:
Item:
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:
Source:

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

TSSAMax Hazard Rank 1:
TSSA Risk Based Periodic Yn:
TSSA Volume of Directives:
TSSA Periodic Exempt:
TSSA Statutory Interval:
TSSA Recd Insp Interva:
TSSA Recd Tolerance:
TSSA Program Area:
TSSA Program Area 2:
Description: FS Piping
Original Source: EXP
Record Date: Up to Mar 2012

27	6 of 24	W/96.9	110.6 / 1.61	***MR GAS LIMITED ***** ***5899 HAZELDEAN RD*** ***STITTSVILLE ON***	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 10981756
Status: EXPIRED
Instance ID: 58575
Instance Type: FS Piping
Instance Creation Dt:
Instance Install Dt:
Item Description:
Manufacturer:
Model:
Serial No:
ULC Standard:
Quantity:
Unit of Measure:
Overfill Prot Type:
Creation Date:
Next Periodic Str DT:
TSSA Base Sched Cycle 2:
TSSAMax Hazard Rank 1:
TSSA Risk Based Periodic Yn:
TSSA Volume of Directives:
TSSA Periodic Exempt:
TSSA Statutory Interval:
TSSA Recd Insp Interva:
TSSA Recd Tolerance:
TSSA Program Area:
TSSA Program Area 2:
Description: FS Piping
Original Source: EXP
Record Date: Up to Mar 2012

Expired Date:
Max Hazard Rank:
Facility Location:
Facility Type:
Fuel Type 2:
Fuel Type 3:
Panam Related:
Panam Venue Nm:
External Identifier:
Item:
Piping Steel:
Piping Galvanized:
Tank Single Wall St:
Piping Underground:
Tank Underground:
Source:

27	7 of 24	W/96.9	110.6 / 1.61	***MR GAS LIMITED ***** ***5899 HAZELDEAN RD*** ***STITTSVILLE ON***	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 10981796
Status: EXPIRED
Instance ID: 58522
Instance Type: FS Piping

Expired Date:
Max Hazard Rank:
Facility Location:
Facility Type:

Instance Creation Dt:		***Fuel Type 2:***	
Instance Install Dt:		***Fuel Type 3:***	
Item Description:		***Panam Related:***	
Manufacturer:		***Panam Venue Nm:***	
Model:		***External Identifier:***	
Serial No:		***Item:***	
ULC Standard:		***Piping Steel:***	
Quantity:		***Piping Galvanized:***	
Unit of Measure:		***Tank Single Wall St:***	
Overfill Prot Type:		***Piping Underground:***	
Creation Date:		***Tank Underground:***	
Next Periodic Str DT:		***Source:***	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS Piping		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

27	***8 of 24***	***W/96.9***	***110.6 / 1.61***	***MR GAS LIMITED ***** ***5899 HAZELDEAN RD*** ***STITTSVILLE ON***	***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No:	10981781	***Expired Date:***	
Status:	EXPIRED	***Max Hazard Rank:***	
Instance ID:	58802	***Facility Location:***	
Instance Type:	FS Piping	***Facility Type:***	
Instance Creation Dt:		***Fuel Type 2:***	
Instance Install Dt:		***Fuel Type 3:***	
Item Description:		***Panam Related:***	
Manufacturer:		***Panam Venue Nm:***	
Model:		***External Identifier:***	
Serial No:		***Item:***	
ULC Standard:		***Piping Steel:***	
Quantity:		***Piping Galvanized:***	
Unit of Measure:		***Tank Single Wall St:***	
Overfill Prot Type:		***Piping Underground:***	
Creation Date:		***Tank Underground:***	
Next Periodic Str DT:		***Source:***	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS Piping		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	9 of 24	W/96.9	110.6 / 1.61	MR GAS LIMITED ** 5899 HAZELDEAN RD STITTSVILLE ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	11405482	**Expired Date:**	
Status:	EXPIRED	**Max Hazard Rank:**	
Instance ID:	83216	**Facility Location:**	
Instance Type:	FS Piping	**Facility Type:**	
Instance Creation Dt:		**Fuel Type 2:**	
Instance Install Dt:		**Fuel Type 3:**	
Item Description:		**Panam Related:**	
Manufacturer:		**Panam Venue Nm:**	
Model:		**External Identifier:**	
Serial No:		**Item:**	
ULC Standard:		**Piping Steel:**	
Quantity:		**Piping Galvanized:**	
Unit of Measure:		**Tank Single Wall St:**	
Overfill Prot Type:		**Piping Underground:**	
Creation Date:		**Tank Underground:**	
Next Periodic Str DT:		**Source:**	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS Piping		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	10 of 24	W/96.9	110.6 / 1.61	MR GAS 004 5899 HAZELDEAN RD STITTSVILLE ON K2S1B9	RST

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
27	11 of 24	W/96.9	110.6 / 1.61	BCP IV SERVICE STATION LP O/A BG FUELS 5899 HAZELDEAN RD STITTSVILLE ON	FST

Inventory No:	64884270	**Tank Material:**	Fiberglass (FRP)
Inventory Status:	active	**Corrosion Protect:**	Fiberglass
Installation Year:	2019	**Overfill Protection:**	Gravity
Capacity:	65000	**Inventory Context:**	FS Liquid Fuel
Capacity Unit:	L	**Inventory Item:**	FS Liquid Fuel Tank
Tank Type:	Double Wall UST		
Manufacturer:			
Model:			
Description:			

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

27	12 of 24	W/96.9	110.6 / 1.61	BCP IV SERVICE STATION LP O/A BG FUELS 5899 HAZELDEAN RD STITTSVILLE ON	FST

Inventory No:	64884269	**Tank Material:**	Fiberglass (FRP)
Inventory Status:	active	**Corrosion Protect:**	Fiberglass
Installation Year:	2019	**Overfill Protection:**	Gravity
Capacity:	35000	**Inventory Context:**	FS Liquid Fuel
Capacity Unit:	L	**Inventory Item:**	FS Liquid Fuel Tank
Tank Type:	Double Wall UST		
Manufacturer:			
Model:			
Description:	compartment 20kL diesel; 15kL super		

27	13 of 24	W/96.9	110.6 / 1.61	BCP IV SERVICE STATION LP O/A BG FUELS 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Inventory No:	11167560	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	13500	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	2010VB FDF attchd to SR 009454145-001		
Previous Fuel Type:	Gasoline		

27	14 of 24	W/96.9	110.6 / 1.61	BCP IV SERVICE STATION LP O/A BG FUELS 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Inventory No:	11167567	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	13500	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	2010VB FDF attchd to SR 009454145-001		
Previous Fuel Type:	Gasoline		

27	15 of 24	W/96.9	110.6 / 1.61	BCP IV SERVICE STATION LP O/A BG FUELS 5899 HAZELDEAN RD STITTSVILLE ON	EXP

Inventory No:	11167563	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	13500	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	2010VB FDF attchd to SR 009454145-001		
Previous Fuel Type:	Gasoline		

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

27 **16 of 24** **W/96.9** **110.6 / 1.61** **MGL PROPERTIES LTD.** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No:	10981774	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	13600	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	duplicate tank		
Previous Fuel Type:	Gasoline		

27 **17 of 24** **W/96.9** **110.6 / 1.61** **BCP IV SERVICE STATION LP O/A BG FUELS** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No:	11167544	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	35000	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	2010VB FDF attchd to SR 009454145-001		
Previous Fuel Type:	Gasoline		

27 **18 of 24** **W/96.9** **110.6 / 1.61** **BCP IV SERVICE STATION LP O/A BG FUELS** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No:	11167572	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	13500	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	2010VB FDF attchd to SR 009454145-001		
Previous Fuel Type:	Gasoline		

27 **19 of 24** **W/96.9** **110.6 / 1.61** **BCP IV SERVICE STATION LP O/A BG FUELS** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No:	11167580	**Tank Material:**	Steel
Inventory Status:	EXPIRED	**Corrosion Protect:**	Sacrificial anode
Installation Year:	1990	**Overfill Protection:**	
Capacity:	13500	**Inventory Context:**	FS Liquid Fuel Tank
Capacity Unit:		**Inventory Item:**	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:	2010VB FDF attchd to SR 009454145-001		

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

Previous Fuel Type: Diesel

---

27 **20 of 24** **W/96.9** **110.6 / 1.61** **MGL PROPERTIES LTD.** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No: 10981790
Inventory Status: EXPIRED
Installation Year: 1990
Capacity: 13600
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description: duplicate tank
Previous Fuel Type: Diesel

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

27 **21 of 24** **W/96.9** **110.6 / 1.61** **MGL PROPERTIES LTD.** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No: 10981731
Inventory Status: EXPIRED
Installation Year: 1990
Capacity: 13600
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description: duplicate tank
Previous Fuel Type: Gasoline

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

27 **22 of 24** **W/96.9** **110.6 / 1.61** **MGL PROPERTIES LTD.** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No: 10981746
Inventory Status: EXPIRED
Installation Year: 1990
Capacity: 13600
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description: duplicate tank
Previous Fuel Type: Gasoline

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

27 **23 of 24** **W/96.9** **110.6 / 1.61** **MGL PROPERTIES LTD.** **EXP**
5899 HAZELDEAN RD
STITTSVILLE ON

Inventory No: 11167587
Inventory Status: EXPIRED
Installation Year: 1991
Capacity: 13500
Capacity Unit:
Tank Type:
Manufacturer:
Model:

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

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

Description: duplicate tank
Previous Fuel Type: Other

---

27 | **24 of 24** | **W/96.9** | **110.6 / 1.61** | **BCP IV SERVICE STATION LP O/A BG FUELS**
5899 HAZELDEAN RD
STITTSVILLE ON | **FST**

Inventory No: 9454138
Inventory Status: Active
Installation Year:
Capacity: 100000
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

---

28 | **1 of 1** | **NE/97.8** | **105.9 / -3.08** | **lot 26 con 11**
ON | **WWIS**

Well ID: 1502910
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 12/08/1954
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502910.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/05/1954
Year Completed: 1954
Depth (m): 13.716
Latitude: 45.2787081443518
Longitude: -75.9180460360528
X: -75.91804587506407
Y: 45.278708137409765
Path: 150\1502910.pdf

Bore Hole Information

Bore Hole ID: 10024953
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Elevation:
Elevrc:
Zone: 18
East83: 427995.60
North83: 5014322.00

Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 5
Date Completed: 11/05/1954 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995557
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 11
Material 2 Desc: GRAVEL
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995558
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502910
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573523
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930042688
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042687
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502910
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	15.0
Recommended Pump Depth:	
Pumping Rate:	3.0
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:	933455722
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	45.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
29	1 of 1	W/99.2	110.9 / 1.92	lot 26 con 12 ON	WWIS

Well ID:	1502974	**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:**	12/08/1954
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	

Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502974.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/13/1954
Year Completed:	1954
Depth (m):	18.288
Latitude:	45.2777369328314
Longitude:	-75.9212815347433
X:	-75.92128137396469
Y:	45.27773692616515
Path:	150\1502974.pdf

Bore Hole Information

Bore Hole ID:	10025017	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427740.60
Code OB Desc:		**North83:**	5014217.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/13/1954	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995699
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	20.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995698
Layer:	1
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID:	930042815
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042816
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502974
Pump Set At:	

Static Level:	15.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	
Pumping Rate:	2.0
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:	933455795
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	55.0
Water Found Depth UOM:	ft

---

30 ***1 of 2*** ***ENE/102.2*** ***106.3 / -2.65*** ***Noremtech Inc.***
1 Sweetnam Drive, Unit # 202
Stittsville ON K2S 1G3 ***GEN***

Generator No:	ON6904308
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:	263 B
Waste Class Name:	Misc. waste organic chemicals

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30 ***2 of 2*** ***ENE/102.2*** ***106.3 / -2.65*** ***Noremtech Inc.***
1 Sweetman Drive, Unit 202
Stittsville ON K2S 1G3 ***GEN***

Generator No:	ON8038090
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: 263 C
Waste Class Name: Misc. waste organic chemicals

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31 ***1 of 1*** ***WSW/107.3*** ***110.9 / 1.92*** ***ON*** ***BORE***

Borehole ID:	609593	***Inclin FLG:***	No
OGF ID:	215511209	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	MAY-1962	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.277066
Total Depth m:	7.5	***Longitude DD:***	-75.920888
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	427771
Drill Method:		***Northing:***	5014142
Orig Ground Elev m:	113	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	113		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218383589	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	.2	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	UNSPECIFIED.		

Geology Stratum ID:	218383592	***Mat Consistency:***	
Top Depth:	6	***Material Moisture:***	
Bottom Depth:	7.5	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Bedrock	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			
Stratum Description:	BEDROCK. SEISMIC VELOCITY = 11500. BEDROCK. SEISMIC VELOCITY = 17000. 0001802203600 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Geology Stratum ID:	218383590	***Mat Consistency:***	Dense
Top Depth:	.2	***Material Moisture:***	
Bottom Depth:	1.5	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Unknown	***Geologic Formation:***	
Material 2:	Till	***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	
Gsc Material Description:			

Stratum Description: UNSPECIFIED,TILL. DENSE.

Geology Stratum ID: 218383591
Top Depth: 1.5
Bottom Depth: 6
Material Color:
Material 1: Unknown
Material 2: Till
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED,TILL. VERY DENSE.
Mat Consistency: Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 021010 NTS_Sheet: 31G05D
Confiden 1: Logged by professional. Exact and complete description of material and properties.
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

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

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32 | **1 of 1** | **ENE/110.2** | **104.8 / -4.17** | **lot 26 con 11 ON** | **WWIS**

Well ID: 1502926
Construction Date:
Use 1st: Commerical
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: GOULBOURN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/27/1963
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502926.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/19/1963

Year Completed:	1963
Depth (m):	30.48
Latitude:	45.2786207025289
Longitude:	-75.9177258796304
X:	-75.91772571920337
Y:	45.27862069666967
Path:	150\1502926.pdf

Bore Hole Information

Bore Hole ID:	10024969	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428020.60
Code OB Desc:		**North83:**	5014312.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	06/19/1963	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	930995589
Layer:	2
Color:	3
General Color:	BLUE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	18.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995588
Layer:	1
Color:	
General Color:	
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	18.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961502926
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573539
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042719
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	23.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042720
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	100.0
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:	991502926
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	23.0
Recommended Pump Depth:	70.0
Pumping Rate:	25.0
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

Water Details

Water ID:	933455738
Layer:	1

Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

Water Details

Water ID: 933455739
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 98.0
Water Found Depth UOM: ft

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33 | ***1 of 1*** | ***NW/110.8*** | ***108.9 / -0.08*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID: 1514248
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/22/1974
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514248.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/02/1974
Year Completed: 1974
Depth (m): 28.6512
Latitude: 45.2789324787489
Longitude: -75.9203701392822
X: -75.92036997761316
Y: 45.27893247255746
Path: 151\1514248.pdf

Bore Hole Information

Bore Hole ID: 10036225
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/02/1974
Remarks:

Elevation:
Elevrc:
Zone: 18
East83: 427813.60
North83: 5014349.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	931025721
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	60.0
Formation End Depth:	94.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931025720
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931025719
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	79
Material 3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961514248
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10584795
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930063998
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930063999
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: 930064000
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 94.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991514248
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 70.0
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate: 4.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934642456
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934381882
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934900342
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099138
Test Type:	Draw Down
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Water Details

Water ID:	933470081
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	90.0
Water Found Depth UOM:	ft

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34 | ***1 of 1*** | ***NE/115.1*** | ***105.9 / -3.08*** | ***Bell***
5854 Hazeldean
Stittsville ON K2S 1B9 | ***GEN***

Generator No:	ON3560980
SIC Code:	517210, 517510, 517910
SIC Description:	WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510, OTHER TELECOMMUNICATIONS
Approval Years:	2014
PO Box No:	
Country:	Canada
Status:	
Co Admin:	Julie Labelle
Choice of Contact:	CO_OFFICIAL

Phone No Admin: 5148700688 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

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35 | **1 of 1** | **N/118.3** | **105.6 / -3.35** | **lot 26 con 12 ON** | **WWIS**

Well ID: 1502975
Construction Date:
Use 1st: Cooling And A/C
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/07/1956
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3701
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502975.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/30/1956
Year Completed: 1956
Depth (m): 33.2232
Latitude: 45.2793734270239
Longitude: -75.91926801708
X: -75.9192678555793
Y: 45.27937342011359
Path: 150\1502975.pdf

Bore Hole Information

Bore Hole ID: 10025018
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/30/1956
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83: 427900.60
North83: 5014397.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

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

Overburden and Bedrock Materials Interval

Formation ID: 930995700
Layer: 1
Color:
General Color:
Material 1: 06
Material 1 Desc: SILT
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995701
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 109.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502975
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573588
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042817
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	15.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042818
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	109.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	991502975
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
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:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	Yes

Water Details

Water ID:	933455796
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	109.0
Water Found Depth UOM:	ft

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36 | ***1 of 3*** | ***ESE/120.2*** | ***110.9 / 1.92*** | ***CHRISTOPHER MULLINS O/A KODIAK***
7 SWEETNAM DR
STITTSVILLE ON K251B9 | ***PES***

Detail Licence No:		**Operator Box:**	
Licence No:	08808	**Operator Class:**	
Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	613
Licence Type:	Operator	**Oper Phone No:**	2626078
Licence Type Code:	02	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	
Lot:		**Operator County:**	

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

Concession:
Region:
District:
County:
Trade Name:
PDF URL:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

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36 | **2 of 3** | **ESE/120.2** | **110.9 / 1.92** | **Noremtech Inc.**
7 Sweetman Drive, Unit 385
Stittsville ON K2S 1G3 | **GEN**

Generator No: ON8038090
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: 263 C
Waste Class Name: Misc. waste organic chemicals

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36 | **3 of 3** | **ESE/120.2** | **110.9 / 1.92** | **Noremtech Inc.**
7 Sweetman Drive, Unit 385
Stittsville ON K2S 1G3 | **GEN**

Generator No: ON8038090
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 C
Waste Class Name: ORGANIC LABORATORY CHEMICALS

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37 | **1 of 1** | **W/122.5** | **110.9 / 1.92** | **lot 26 con 12**
ON | **WWIS**

Well ID: 7347117
Construction Date:
Use 1st:
Use 2nd:
Final Well Status:
Water Type:
Casing Material:
Flowing (Y/N):
Flow Rate:
Data Entry Status: Yes
Data Src:
Date Received: 11/15/2019
Selected Flag: TRUE
Abandonment Rec:

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

Audit No:	C40418	**Contractor:**	1844
Tag:	A278985	**Form Version:**	8
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1007713104	**Tag No:**	A278985
Depth M:		**Contractor:**	1844
Year Completed:	2019	**Latitude:**	45.2780948269455
Well Completed Dt:	10/07/2019	**Longitude:**	-75.9215499712334
Audit No:	C40418	**Y:**	45.27809482018097
Path:		**X:**	-75.92154981021531

Bore Hole Information

Bore Hole ID:	1007713104	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427720.00
Code OB Desc:		**North83:**	5014257.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/07/2019	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

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38 | ***1 of 1*** | ***NW/123.0*** | ***108.9 / -0.08*** | ***PRIVATE RESIDENCE***
TRAILER IN STITTSVILLE AT 13 ROWAN RD.
FURNACE OIL TANK
GOULBOURN TOWNSHIP ON | ***SPL***

Ref No:	96658	**Municipality No:**	20604
Year:		**Nature of Damage:**	
Incident Dt:	//	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	2/21/1994	**Impact to Health:**	
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:	GOULBOURN TOWNSHIP		

Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: ABOVE-GROUND TANK LEAK
Incident Preceding Spill:
Incident Reason: CORROSION
Incident Summary: RESIDENCE - 700 L OF FURNACE OIL TO GROUND FROM STORAGE TANK.
Environment Impact: CONFIRMED
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

39	1 of 1	NNW/125.5	107.9 / -1.11	***PRIVATE RESIDENCE*** ***12 ROWAN ROAD, STITTSVILLE FURNACE OIL TANK*** ***GOULBOURN TOWNSHIP ON***	SPL

Ref No: 86298
Year:
Incident Dt: 5/28/1993
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/31/1993
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: GOULBOURN TOWNSHIP
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:

Municipality No: 20604
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Client Type:	
Source Type:	
Incident Cause:	ABOVE-GROUND TANK LEAK
Incident Preceding Spill:	
Incident Reason:	CORROSION
Incident Summary:	PRIVATE RESIDENCE - 4 L FURNACE OIL TO SOIL FROM PINHOLE LEAK IN TANK.
Environment Impact:	CONFIRMED
Health Env Consequence:	
Nature of Impact:	Soil contamination
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

40 **1 of 1** **NNE/127.7** **104.9 / -4.03** **5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON** **WWIS**

Well ID:	7249191	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	10/05/2015
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z215120	**Contractor:**	7241
Tag:	A186708	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7249191.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/01/2015
Year Completed:	2015
Depth (m):	6.5
Latitude:	45.2793786995143
Longitude:	-75.9186127512297
X:	-75.91861258959302
Y:	45.279378693694454
Path:	724\7249191.pdf

Bore Hole Information

Bore Hole ID:	1005716369	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427952.00
Code OB Desc:		***North83:***	5014397.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	09/01/2015	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005760433
Layer:	1
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	77
Material 2 Desc:	LOOSE
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	0.6100000143051147
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005760434
Layer:	2
Color:	4
General Color:	GREEN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	84
Material 2 Desc:	SILTY
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.6100000143051147
Formation End Depth:	2.5299999713897705
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005760435
Layer:	3
Color:	1
General Color:	WHITE
Material 1:	15

Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 2.5299999713897705
Formation End Depth: 6.5
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760444
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760445
Layer: 2
Plug From: 0.3100000023841858
Plug To: 2.740000009536743
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760446
Layer: 3
Plug From: 2.740000009536743
Plug To: 6.099999904632568
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005760443
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1005760432
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005760439
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 3.0999999046325684
Casing Diameter: 5.199999809265137
Casing Diameter UOM: cm

Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005760440
Layer: 1
Slot: 10
Screen Top Depth: 3.0999999046325684
Screen End Depth: 6.099999904632568
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 6.03000020980835

Water Details

Water ID: 1005760438
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005760436
Diameter: 11.430000305175781
Depth From: 0.0
Depth To: 2.130000114440918
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1005760437
Diameter: 7.619999885559082
Depth From: 2.130000114440918
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

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41 | ***1 of 1*** | ***W/129.0*** | ***110.9 / 1.92*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID: 1514141
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:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/08/1974
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514141.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/26/1974
Year Completed: 1974
Depth (m): 24.384
Latitude: 45.2779318541669
Longitude: -75.9216671801182
X: -75.92166701877544
Y: 45.27793184766883
Path: 151\1514141.pdf

Bore Hole Information

Bore Hole ID:	10036119	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427710.60
Code OB Desc:		***North83:***	5014239.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/26/1974	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931025440
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 9.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931025441
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:

Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930063814
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930063815
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991514141
Pump Set At:
Static Level: 20.0
Final Level After Pumping: 55.0
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: 2

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

Draw Down & Recovery

Pump Test Detail ID:	934899837
Test Type:	Draw Down
Test Duration:	60
Test Level:	55.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642368
Test Type:	Draw Down
Test Duration:	45
Test Level:	55.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099049
Test Type:	Draw Down
Test Duration:	15
Test Level:	55.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934381375
Test Type:	Draw Down
Test Duration:	30
Test Level:	55.0
Test Level UOM:	ft

Water Details

Water ID:	933469947
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	80.0
Water Found Depth UOM:	ft

42 | ***1 of 1*** | ***SE/132.6*** | ***109.9 / 0.92*** | ***lot 26 con 11 ON*** | ***WWIS***

Well ID:	1502920	**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:**	09/08/1959
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4833
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11

Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502920.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/18/1959
Year Completed:	1959
Depth (m):	26.5176
Latitude:	45.276322032018
Longitude:	-75.9181350506266
X:	-75.91813489019731
Y:	45.276322025257954
Path:	150\1502920.pdf

Bore Hole Information

Bore Hole ID:	10024963	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427985.60
Code OB Desc:		***North83:***	5014057.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	07/18/1959	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995576
Layer:	1
Color:	
General Color:	
Material 1:	26
Material 1 Desc:	ROCK
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	20.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995577
Layer:	2

Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	20.0
Formation End Depth:	87.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502920
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573533
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042708
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	87.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042707
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502920
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	5.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455732
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

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43 | ***1 of 1*** | ***SSE/132.6*** | ***109.9 / 0.92*** | ***PRIVATE RESIDENCE
20 SAVAGE ST., STITTSVILLE. FURNACE OIL TANK
GOULBOURN TOWNSHIP ON*** | ***SPL***

Ref No:	118112	**Municipality No:**	20604
Year:		**Nature of Damage:**	
Incident Dt:	9/4/1995	**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	9/5/1995	**Impact to Health:**	
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:	GOULBOURN TOWNSHIP		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	OTHER CONTAINER LEAK		
Incident Preceding Spill:			
Incident Reason:	UNKNOWN		
Incident Summary:	PRIVATE RESIDENCE-300 L FURNACE OIL LEAK ONTO BA-SEMENT'S DIRT GROUND.		
Environment Impact:	CONFIRMED		
Health Env Consequence:			
Nature of Impact:	Soil contamination		
Contaminant Qty:			
Contaminant Qty 1:			
Contaminant Unit:			
Contaminant Code:			
Contaminant Name:			
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			

Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

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44 | **1 of 1** | **W/138.7** | **110.9 / 1.92** | **lot 26 con 12 ON** | **WWIS**

Well ID: 1510030
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 05/05/1969
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3701
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510030.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/09/1969
Year Completed: 1969
Depth (m): 24.384
Latitude: 45.2777778198538
Longitude: -75.9217921828702
X: -75.92179202201393
Y: 45.2777778134647
Path: 151\1510030.pdf

Bore Hole Information

Bore Hole ID: 10032061
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/09/1969
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation:
Elevrc:
Zone: 18
East83: 427700.60
North83: 5014222.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931013701
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013702
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	40.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013700
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID:	930056741
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	18.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056742
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80.0
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:	991510030
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	70.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	4.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464963
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

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

Water Details

Water ID:	933464964
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	1 of 4	ESE/144.0	109.9 / 0.89	Everline Coatings Unit E - 9 Sweetnam Dr. Stittsville ON K9V 6G3	GEN

Generator No:	ON7234867
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:	145 L
Waste Class Name:	Wastes from the use of pigments, coatings and paints

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	2 of 4	ESE/144.0	109.9 / 0.89	ENBRIDGE GAS INC 9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3,CA ON	PINC

Incident Id:		***Pipe Material:***	
Incident No:	2801846	***Fuel Category:***	
Incident Reported Dt:	3/11/2020	***Health Impact:***	
Type:	FS-Pipeline Incident	***Environment Impact:***	
Status Code:		***Property Damage:***	
Tank Status:	Cancelled	***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:	ENBRIDGE GAS INC		
Incident Address:	9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3,CA		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:			
Reported By:			
Affiliation:			
Occurrence Desc:			
Damage Reason:			
Notes:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	3 of 4	ESE/144.0	109.9 / 0.89	ENBRIDGE GAS INC	PINC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3,CA ON	

Incident Id:
Incident No: 2801862
Incident Reported Dt: 3/11/2020
Type: FS-Pipeline Incident
Status Code:
Tank Status: Pipeline Damage Reason Est
Task No:
Spills Action Centre:
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name: ENBRIDGE GAS INC
Incident Address: 9 SWEETNAM DR,,OTTAWA,ON,K2S 1T3,CA
Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	4 of 4	ESE/144.0	109.9 / 0.89	Enbridge Gas Distribution Inc. 9 Sweetnam Drive Ottawa ON	SPL

Ref No: 8635-BMLP87
Year:
Incident Dt: 2020/03/11
Dt MOE Arvl on Scn:
MOE Reported Dt: 2020/03/11
Dt Document Closed: 2020/05/16
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Commercial Property<UNOFFICIAL>
Site Address: 9 Sweetnam Drive
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: Enbridge Gas Distribution Inc.
Client Type: Corporation
Source Type: Pipeline/Components
Incident Cause:
Incident Preceding Spill: Leak/Break
Incident Reason: Operator/Human Error
Incident Summary: TSSA FSB: 1 IN plastic IP gas line dmg; made safe
Environment Impact:
Health Env Consequence:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 2 - Minor Environment
Agency Involved:

Nature of Impact:
Contaminant Qty: 1 other - see incident description
Contaminant Qty 1: 1
Contaminant Unit: other - see incident description
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1: 1075
Receiving Medium: Air
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Communal
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

---

46 | ***1 of 1*** | ***WSW/144.5*** | ***111.2 / 2.22*** | ***Hazeldean Rd east of Johnwood St Ottawa ON*** | ***SPL***

Ref No: 4115-BPNPN4
Year:
Incident Dt: 2020/05/16
Dt MOE Arvl on Scn:
MOE Reported Dt: 2020/05/16
Dt Document Closed:
Site No: NA
MOE Response: No
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: Spill Location<UNOFFICIAL>
Site Address: Hazeldean Rd east of Johnwood St
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing: 5014150.94
Easting: 427717.21
Entity Operating Name:
Client Name:
Client Type:
Source Type: Motor Vehicle
Incident Cause:
Incident Preceding Spill: Leak/Break
Incident Reason: Unknown / N/A
Incident Summary: 311 Ottawa: unknown vol. oil to cb; works dep. responding
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 1 other - see incident description
Contaminant Qty 1: 1
Contaminant Unit: other - see incident description
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Limit 1: 1
Contam Limit Freq 1:
Contaminant UN No 1: n/a
Receiving Medium: Land
Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 0 - No Impact
Agency Involved:

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

Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Miscellaneous Industrial
SAC Action Class: Land Spills
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

---

47 | **1 of 1** | **WSW/146.0** | **111.2 / 2.22** | **City of Ottawa**
Hartin Street between Hazeldean Road and Johnwoods St.
Ottawa ON K1P 1J1 | **ECA**

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

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48 | **1 of 1** | **WNW/146.6** | **110.9 / 1.92** | **CHRISTOPHER MULLINS O/A KODIAK**
3 JOHNWOODS
STITTSVILLE ON K251B9 | **PES**

Detail Licence No:
Licence No: 07761
Status:
Approval Date:
Report Source: Legacy Licenses (Excluding TS)
Licence Type: Operator
Licence Type Code: 02
Licence Class: 01
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF URL:
Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code: 613
Oper Phone No: 2626078
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

---

49 | **1 of 4** | **WSW/147.2** | **111.2 / 2.22** | **743104 ONTARIO INC.**
VICTOR ST./HAZELDEAN RD.
GOULBOURN TWP. ON | **CA**

Certificate #: 3-1189-93-
Application Year: 93
Issue Date: 10/15/1993
Approval Type: Municipal sewage
Status: Approved

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	2 of 4	WSW/147.2	111.2 / 2.22	Enbridge Gas Distribution Inc. Corner of Hazeldean Road and Victor Street Ottawa ON	SPL

Ref No: 0225-8BRK6P
Year:
Incident Dt:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/2/2010
Dt Document Closed: 12/14/2010
Site No:
MOE Response: Referral to others
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: Corner of Hazeldean Road and Victor Street<UNOFFICIAL>
Site Address:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: Enbridge Gas Distribution Inc.
Client Type:
Source Type:
Incident Cause:
Incident Preceding Spill:
Incident Reason:
Incident Summary: TSSA: ½ inch plastic service damaged, not made safe
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 0 other - see incident description
Contaminant Qty 1: 0
Contaminant Unit: other - see incident description
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Other
SAC Action Class: TSSA - Fuel Safety Branch
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	3 of 4	WSW/147.2	111.2 / 2.22	Hazeldean Road & Victor Street, Ottawa ON	PINC

Incident Id: 2653648
Incident No: 497332
Incident Reported Dt:
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Tank Status:
Task No:
Spills Action Centre: 0225-8BRK6P
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Depth:
Customer Acct Name:
Incident Address:
Operation Type:
Pipeline Type:
Regulator Type:
Summary: Hazeldean Road & Victor Street, Ottawa - 1/2" Pipeline Hit
Reported By: Michael Gruttner - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:
Damage Reason:
Notes:

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	4 of 4	WSW/147.2	111.2 / 2.22	Hazledean Road and Victor Street, Ottawa OTTAWA ON	SPL

Ref No: 1-VJCTC
Year:
Incident Dt: 7/12/2021 1:00:00 PM
Dt MOE Arvl on Scn:
MOE Reported Dt: 7/12/2021 1:41:10 PM
Dt Document Closed: 7/16/2021 9:12:18 AM
Site No:
MOE Response: Desktop Response
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa District Office
Nearest Watercourse:
Site Name:
Site Address: Hazledean Road and Victor Street, Ottawa
Site Region:
Site Municipality: OTTAWA
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type: Motor Vehicle
Incident Cause:
Incident Preceding Spill: Vandalism
Incident Reason:
Incident Summary: Ottawa 311: concrete washwater to cb
Environment Impact: 1 Minor Impact

Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 0 No Impact
Agency Involved:

Health Env Consequence:	
Nature of Impact:	
Contaminant Qty:	1 other - see notes
Contaminant Qty 1:	
Contaminant Unit:	
Contaminant Code:	
Contaminant Name:	CONCRETE
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Surface Water
Activity Preceding Spill:	Cleaning
Property 2nd Watershed:	Central Ottawa
Property Tertiary Watershed:	02KF-Central Ottawa - Mississippi
Sector Type:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION
SAC Action Class:	
Call Report Locatn Geodata:	{"integration_ids":["PR00004333770"],"wkts":["POINT (-75.9215167000 45.2770721000)"],"creation_date":"2021-07-12"}
Time Reported:	
System Facility Address:	

50 | ***1 of 1*** | ***NNE/149.6*** | ***104.0 / -5.00*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1502973	**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:**	08/11/1952
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3718
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502973.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/04/1952
Year Completed:	1952
Depth (m):	15.8496
Latitude:	45.2794716348761
Longitude:	-75.9182495998273
X:	-75.91824943856508
Y:	45.27947162870418
Path:	150\1502973.pdf

Bore Hole Information

Bore Hole ID:	10025016	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427980.60
Code OB Desc:		***North83:***	5014407.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	07/04/1952	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995696
Layer: 1
Color:
General Color:
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995697
Layer: 2
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 52.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502973
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573586
Casing No: 1
Comment:

Alt Name:

Construction Record - Casing

Casing ID:	930042814
Layer:	1
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	991502973
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
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:	
Pumping Duration HR:	24
Pumping Duration MIN:	0
Flowing:	Yes

Water Details

Water ID:	933455793
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933455794
Layer:	2
Kind Code:	4
Kind:	MINERIAL
Water Found Depth:	52.0
Water Found Depth UOM:	ft

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51 | ***1 of 1*** | ***NNE/152.4*** | ***104.0 / -5.00*** | ***5835 HAZELDEAN ROAD STITTSVILLE ON*** | ***WWIS***

Well ID:	7140551	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	03/01/2010
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	

Audit No:	Z100153	**Contractor:**	7241
Tag:	A094051	**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:	STITTSVILLE VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7140551.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/21/2010
Year Completed:	2010
Depth (m):	3.1
Latitude:	45.2794544951775
Longitude:	-75.9181422230391
X:	-75.91814206207783
Y:	45.27945448870767
Path:	714\7140551.pdf

Bore Hole Information

Bore Hole ID:	1002942175	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427989.00
Code OB Desc:		**North83:**	5014405.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/21/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003130058
Layer:	3
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	05
Material 2 Desc:	CLAY
Material 3:	11
Material 3 Desc:	GRAVEL
Formation Top Depth:	1.5
Formation End Depth:	3.0999999046325684
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003130057
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.6100000143051147
Formation End Depth:	1.5
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003130056
Layer:	1
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	0.6100000143051147
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003130060
Layer:	1
Plug From:	0.0
Plug To:	0.9100000262260437
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003130066
Method Construction Code:	D
Method Construction:	Direct Push
Other Method Construction:	

Pipe Information

Pipe ID:	1003130055
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003130062

Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	0.9100000262260437
Casing Diameter:	4.03000020980835
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003130063
Layer:	1
Slot:	10
Screen Top Depth:	0.9100000262260437
Screen End Depth:	3.0999999046325684
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.820000171661377

Water Details

Water ID:	1003130061
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003130059
Diameter:	8.25
Depth From:	0.0
Depth To:	3.0999999046325684
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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52 | ***1 of 1*** | ***NNE/153.3*** | ***103.9 / -5.08*** | ***5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON*** | ***WWIS***

Well ID:	7249192	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	10/05/2015
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z215129	**Contractor:**	7241
Tag:	A186709	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7249192.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/01/2015
Year Completed: 2015
Depth (m): 3.1
Latitude: 45.2795517562559
Longitude: -75.9183605427804
X: -75.9183603822558
Y: 45.27955174969571
Path: 724\7249192.pdf

Bore Hole Information

Bore Hole ID: 1005716382
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/01/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427972.00
North83: 5014416.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005760448
Layer: 1
Color: 8
General Color: BLACK
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005760449
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 84
Material 2 Desc: SILTY
Material 3:

Material 3 Desc:
Formation Top Depth: 0.6100000143051147
Formation End Depth: 2.440000057220459
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005760450
Layer: 3
Color: 2
General Color: GREY
Material 1: 34
Material 1 Desc: TILL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 2.440000057220459
Formation End Depth: 3.0999999046325684
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760459
Layer: 2
Plug From: 0.3100000023841858
Plug To: 0.9100000262260437
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760458
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760460
Layer: 3
Plug From: 0.9100000262260437
Plug To: 3.0999999046325684
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005760457
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1005760447
Casing No: 0

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1005760453
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	0.9100000262260437
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005760454
Layer:	1
Slot:	10
Screen Top Depth:	0.9100000262260437
Screen End Depth:	3.0999999046325684
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Water Details

Water ID:	1005760452
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005760451
Diameter:	11.430000305175781
Depth From:	0.0
Depth To:	3.0999999046325684
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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53 | ***1 of 1*** | ***NNE/155.1*** | ***103.9 / -5.08*** | ***5835 HAZELDEAN RD. lot 26 con 12 STITSVILLE ON*** | ***WWIS***

Well ID:	7249193	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Test Hole	**Date Received:**	10/05/2015
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z215128	**Contractor:**	7241
Tag:	A186710	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON

Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7249193.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/01/2015
Year Completed:	2015
Depth (m):	3.1
Latitude:	45.2796048355359
Longitude:	-75.9184761497477
X:	-75.91847598910194
Y:	45.279604829460204
Path:	724\7249193.pdf

Bore Hole Information

Bore Hole ID:	1005716385	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427963.00
Code OB Desc:		**North83:**	5014422.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	09/01/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005760463
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	84
Material 2 Desc:	SILTY
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.6100000143051147
Formation End Depth:	1.8300000429153442
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1005760464
Layer:	3
Color:	2

General Color: GREY
Material 1: 34
Material 1 Desc: TILL
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 1.8300000429153442
Formation End Depth: 3.0999999046325684
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005760462
Layer: 1
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 77
Material 2 Desc: LOOSE
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.6100000143051147
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760474
Layer: 3
Plug From: 0.9100000262260437
Plug To: 3.0999999046325684
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760473
Layer: 2
Plug From: 0.3100000023841858
Plug To: 0.9100000262260437
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005760472
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005760471
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID:	1005760461
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005760467
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	0.9100000262260437
Casing Diameter:	5.199999809265137
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1005760468
Layer:	1
Slot:	10
Screen Top Depth:	0.9100000262260437
Screen End Depth:	3.0999999046325684
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.03000020980835

Water Details

Water ID:	1005760466
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1005760465
Diameter:	11.430000305175781
Depth From:	0.0
Depth To:	3.0999999046325684
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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54 ***1 of 1*** ***SE/159.9*** ***109.9 / 0.92*** ***lot 26 con 11 ON*** ***WWIS***

Well ID:	1502923	***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:***	09/08/1959
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4825

Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502923.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/28/1959
Year Completed:	1959
Depth (m):	24.9936
Latitude:	45.2763726680669
Longitude:	-75.9174346532249
X:	-75.9174344919639
Y:	45.27637266165361
Path:	150\1502923.pdf

Bore Hole Information

Bore Hole ID:	10024966	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428040.60
Code OB Desc:		**North83:**	5014062.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	07/28/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995582
Layer:	1
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	82.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502923
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573536
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042714
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	82.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042713
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502923
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	20.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455735

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75.0
Water Found Depth UOM:	ft

55 **1 of 1** **WSW/160.6** **111.9 / 2.92** **lot 25 con 11 ON** **WWIS**

Well ID:	1502905	**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:**	12/10/1959
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502905.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/23/1959
Year Completed:	1959
Depth (m):	22.86
Latitude:	45.2767458689349
Longitude:	-75.9213929906301
X:	-75.92139282978603
Y:	45.27674586258895
Path:	150\1502905.pdf

Bore Hole Information

Bore Hole ID:	10024948	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427730.60
Code OB Desc:		**North83:**	5014107.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	04/23/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995550
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	11.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995549
Layer:	1
Color:	
General Color:	
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID:	930042677
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042678
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	75.0
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:	991502905
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	30.0
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

Water Details

Water ID:	933455717
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75.0
Water Found Depth UOM:	ft

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56 ***1 of 1*** ***NW/160.7*** ***108.9 / -0.08*** ***231079 Ottawa ON K2S 1B7*** ***EHS***

Order No:	23101601493	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	30-OCT-23	***Search Radius (km):***	.25
Date Received:	16-OCT-23	***X:***	-75.9205065
Previous Site Name:		***Y:***	45.2794307
Lot/Building Size:			
Additional Info Ordered:			

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57 ***1 of 1*** ***SE/162.4*** ***109.9 / 0.92*** ***lot 26 con 11 ON*** ***WWIS***

Well ID:	1502918	***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:***	09/08/1959
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	

Audit No:		**Contractor:**	4833
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502918.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/10/1959
Year Completed:	1959
Depth (m):	27.432
Latitude:	45.2761445869721
Longitude:	-75.9178134565466
X:	-75.917813296142
Y:	45.27614458057751
Path:	150\1502918.pdf

Bore Hole Information

Bore Hole ID:	10024961	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428010.60
Code OB Desc:		**North83:**	5014037.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	07/10/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930995573
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995572
Layer:	1
Color:	
General Color:	
Material 1:	26
Material 1 Desc:	ROCK
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502918
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573531
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042703
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042704
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502918
Pump Set At:	

Static Level:	20.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	5.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455730
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	88.0
Water Found Depth UOM:	ft

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58 | ***1 of 1*** | ***W/164.1*** | ***110.9 / 1.92*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1511636	**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:**	01/13/1972
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511636.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/18/1971
Year Completed:	1971
Depth (m):	22.5552
Latitude:	45.2779552534734
Longitude:	-75.9221137984816
X:	-75.92211363673049
Y:	45.27795524671684
Path:	151\1511636.pdf

Bore Hole Information

Bore Hole ID:	10033630	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427675.60
Code OB Desc:		**North83:**	5014242.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/18/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931018333
Layer: 1
Color: 6
General Color: BROWN
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 01
Material 2 Desc: FILL
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931018334
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 74.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10582200
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930059744
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059745
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 74.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991511636
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 65.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934644965
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098289
Test Type: Draw Down
Test Duration: 15

Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934382831
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934901883
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933466857
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 73.0
Water Found Depth UOM: ft

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59 | ***1 of 1*** | ***W/165.0*** | ***110.9 / 1.92*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1514142	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	07/08/1974
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	12
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514142.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/27/1974
Year Completed: 1974
Depth (m): 20.7264
Latitude: 45.2779461502239
Longitude: -75.922126400724
X: -75.92212624009055

Y:	45.27794614361943
Path:	151\1514142.pdf

Bore Hole Information

Bore Hole ID:	10036120	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427674.60
Code OB Desc:		***North83:***	5014241.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/27/1974	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	931025443
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	68.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931025442
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	79
Material 3 Desc:	PACKED
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

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

Other Method Construction:

Pipe Information

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

Construction Record - Casing

Casing ID:	930063818
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	68.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063816
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063817
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	45.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991514142
Pump Set At:	
Static Level:	22.0
Final Level After Pumping:	45.0
Recommended Pump Depth:	55.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1

Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934381376
Test Type: Draw Down
Test Duration: 30
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934642369
Test Type: Draw Down
Test Duration: 45
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899838
Test Type: Draw Down
Test Duration: 60
Test Level: 45.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934099050
Test Type: Draw Down
Test Duration: 15
Test Level: 45.0
Test Level UOM: ft

Water Details

Water ID: 933469948
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

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60 | **1 of 1** | **WSW/171.6** | **111.9 / 2.92** | **5924 HAZELDEAN RD lot 26 con 11 STITTSVILLE ON** | **WWIS**

Well ID: 7350097
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z296665
Tag: A255983
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 12/18/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 11
Concession Name: CON

Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID: 1007816447
Depth M: 4.6229016
Year Completed: 2019
Well Completed Dt: 02/20/2019
Audit No: Z296665
Path:
Tag No: A255983
Contractor: 6964
Latitude: 45.2766819821393
Longitude: -75.9215016016064
Y: 45.27668197516559
X: -75.92150144056498

Bore Hole Information

Bore Hole ID: 1007816447
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/20/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 427722.00
North83: 5014100.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1008149385
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 80
Material 2 Desc: POROUS
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 4.0
Formation End Depth: 15.166999816894531
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149384
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 12

Material 2 Desc:	STONES
Material 3:	77
Material 3 Desc:	LOOSE
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150099
Layer:	1
Plug From:	0.0
Plug To:	9.166999816894531
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150100
Layer:	2
Plug From:	9.166999816894531
Plug To:	15.166999816894531
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008150932
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1008148323
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008151306
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	10.166999816894531
Casing Diameter:	1.25
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008151568
Layer:	1
Slot:	10
Screen Top Depth:	10.166999816894531
Screen End Depth:	15.166999816894531
Screen Material:	5
Screen Depth UOM:	ft

Screen Diameter UOM: inch
Screen Diameter: 1.625

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008152106
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1008150495
Diameter: 6.0
Depth From: 0.0
Depth To: 4.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

Hole Diameter

Hole ID: 1008150496
Diameter: 3.0
Depth From: 4.0
Depth To: 15.166999816894531
Hole Depth UOM: ft
Hole Diameter UOM: Inch

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61 | **1 of 1** | **SW/172.9** | **111.9 / 2.92** | **5924 HAZELDEAN RD lot 26 con 11 STITTSVILLE ON** | **WWIS**

Well ID: 7350098
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z296670
Tag: A255987
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 12/18/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Municipality: GOULBOURN TOWNSHIP
Site Info:

Additional Detail(s) (Map)

Bore Hole ID:	1007816450	***Tag No:***	A255987
Depth M:	4.6229016	***Contractor:***	6964
Year Completed:	2019	***Latitude:***	45.2764146462637
Well Completed Dt:	02/20/2019	***Longitude:***	-75.9211657911051
Audit No:	Z296670	***Y:***	45.276414639237444
Path:		***X:***	-75.9211656297843

Bore Hole Information

Bore Hole ID:	1007816450	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427748.00
Code OB Desc:		***North83:***	5014070.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	02/20/2019	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1008149386
Layer: 1
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 80
Material 2 Desc: POROUS
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 0.0
Formation End Depth: 15.166999816894531
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008150102
Layer: 2
Plug From: 4.166999816894531
Plug To: 15.166999816894531
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1008150101
Layer: 1

Plug From: 0.0
Plug To: 4.166999816894531
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1008150933
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1008148324
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1008151307
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 5.166999816894531
Casing Diameter: 1.25
Casing Diameter UOM: Inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1008151569
Layer: 1
Slot: 10
Screen Top Depth: 5.166999816894531
Screen End Depth: 15.166999816894531
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 1.625

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008152107
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID:	1008150497
Diameter:	3.0
Depth From:	0.0
Depth To:	15.166999816894531
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

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62 ***1 of 2*** ***NW/173.3*** ***109.9 / 0.92*** ***Mark Marshall***
62 Bradley Green Court
Stitsville ON K2S 1B7 ***GEN***

Generator No:	ON7809321
SIC Code:	
SIC Description:	
Approval Years:	04
PO Box No:	
Country:	
Status:	
Co Admin:	
Choice of Contact:	
Phone No Admin:	
Contaminated Facility:	
MHSW Facility:	

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62 ***2 of 2*** ***NW/173.3*** ***109.9 / 0.92*** ***CDS Rental Service Ltd. - Trailer Park<UNOFFICIAL>***
62 Bradley Green Cres., Stittsville
Ottawa ON K2S 1B7 ***SPL***

Ref No:	2156-5UDQPC	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	12/19/2003	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	Oil
MOE Reported Dt:	12/19/2003	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	CDS RENTAL SERVICES LTD - SWEETNAM TRAILER PARK<UNOFFICIAL>		
Site Address:			
Site Region:	Eastern		
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:	CDS Rental Service Ltd. - Trailer Park<UNOFFICIAL>		
Client Type:			
Source Type:			
Incident Cause:	Tank (Above Ground) Leak		
Incident Preceding Spill:			
Incident Reason:	Vandalism - Illegal/deliberate (incl. sabotage)		
Incident Summary:	TSSA/MOE - Campbell Landing Marina - gas pump		
Environment Impact:	Possible		

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

Health Env Consequence:	
Nature of Impact:	Groundwater Pollution; Soil Contamination; Surface Water Pollution
Contaminant Qty:	300 L
Contaminant Qty 1:	
Contaminant Unit:	L
Contaminant Code:	13
Contaminant Name:	FUEL OIL
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Land & Water
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Other
SAC Action Class:	M.C.B.S. - Fuel Safety; Spill to Land
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	1 of 11	E/174.1	104.2 / -4.73	***CDS RENTAL SERVICE LIMITED*** ***8 SWEETNAM DRIVE*** ***STITTSVILLE ON K2S 1G2***	GEN

Generator No:	ON1412700
SIC Code:	4229
SIC Description:	OTHER STRUC. WORK
Approval Years:	92,93,96,97,98,99,00,01,02,03,04,05,06
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	2 of 11	E/174.1	104.2 / -4.73	***C D S RENTAL SERVICE LIMITED 08-875*** ***8 SWEETNAM DRIVE*** ***STITTSVILLE ON K2S 1G2***	GEN

Generator No:	ON1412700
SIC Code:	4229
SIC Description:	OTHER STRUC. WORK
Approval Years:	94,95
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: 213
Waste Class Name: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	3 of 11	E/174.1	104.2 / -4.73	CDS Group of Companies 8 Sweetnam Drive Stittsville ON K2S 1G2	GEN

Generator No: ON5931316
SIC Code:
SIC Description:
Approval Years: 04
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
63	4 of 11	E/174.1	104.2 / -4.73	2088099 Ontario Inc. 8 Sweetnam Drive Stittsville ON	GEN

Generator No: ON4773961
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS
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: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	5 of 11	E/174.1	104.2 / -4.73	2088099 Ontario Inc. 8 Sweetnam Drive Stittsville ON K2S 1G2	GEN

Generator No: ON4773961
SIC Code: 238990
SIC Description: All Other Specialty Trade Contractors
Approval Years: 2010
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: 213
Waste Class Name: PETROLEUM DISTILLATES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	6 of 11	E/174.1	104.2 / -4.73	2088099 Ontario Inc. 8 Sweetnam Drive Stittsville ON K2S 1G2	GEN

Generator No: ON4773961
SIC Code: 238990
SIC Description: All Other Specialty Trade Contractors
Approval Years: 2011
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	7 of 11	E/174.1	104.2 / -4.73	2088099 Ontario Inc. 8 Sweetnam Drive Stittsville ON K2S 1G2	GEN

Generator No: ON4773961
SIC Code: 238990
SIC Description: All Other Specialty Trade Contractors
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	8 of 11	E/174.1	104.2 / -4.73	2088099 Ontario Inc. 8 Sweetnam Drive Stittsville ON K2S 1G2	GEN

Generator No: ON4773961
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS
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: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 331
Waste Class Name: WASTE COMPRESSED GASES

Waste Class: 211
Waste Class Name: AROMATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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63 | ***9 of 11*** | ***E/174.1*** | ***104.2 / -4.73*** | ***2088099 Ontario Inc.***
8 Sweetnam Drive
Stittsville ON K2S 1G2 | ***GEN***

Generator No: ON4773961
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS
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: 251
Waste Class Name: OIL SKIMMINGS & SLUDGES

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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63 | ***10 of 11*** | ***E/174.1*** | ***104.2 / -4.73*** | ***2088099 Ontario Inc.***
8 Sweetnam Drive
Stittsville ON K2S 1G2 | ***GEN***

Generator No: ON4773961
SIC Code: 238990
SIC Description: ALL OTHER SPECIALTY TRADE CONTRACTORS
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

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

Detail(s)

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

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63 | ***11 of 11*** | ***E/174.1*** | ***104.2 / -4.73*** | ***CDS Store-All Limited***
8 Sweetnam Drive
Ottawa ON K2S 1G2 | ***GEN***

Generator No: ON2560810
SIC Code:
SIC Description:
Approval Years: As of Dec 2017
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

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64 | ***1 of 1*** | ***ENE/175.9*** | ***102.8 / -6.17*** | ***5830 Hazeldean Rd***
Ottawa ON | ***EHS***

Order No: 20140331108
Status: C
Report Type: Custom Report
Report Date: 09-APR-14
Date Received: 31-MAR-14
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory

Nearest Intersection:
Municipality: Ottawa
Client Prov/State: ON
Search Radius (km): .25
X: -75.91715
Y: 45.279054

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65 | ***1 of 1*** | ***SW/176.1*** | ***110.8 / 1.88*** | ***ON*** | ***BORE***

Borehole ID: 609586
OGF ID: 215511202
Status:
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: APR-1971
Static Water Level:
Primary Water Use: Not Used
Sec. Water Use:
Total Depth m: .6
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Power auger
Orig Ground Elev m: 114
Elev Reliabil Note:
DEM Ground Elev m: 114
Concession:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.276167
Longitude DD: -75.920746
UTM Zone: 18
Easting: 427781
Northing: 5014042
Location Accuracy:
Accuracy: Not Applicable

Location D:
Survey D:
Comments:

Borehole Geology Stratum

Geology Stratum ID: 218383573
Top Depth: 0
Bottom Depth: .1
Material Color:
Material 1: Unknown
Material 2: Soil
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: UNSPECIFIED,SOIL.

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

Geology Stratum ID: 218383574
Top Depth: .1
Bottom Depth: .6
Material Color: Black
Material 1: Till
Material 2: Silt
Material 3: Sand
Material 4:
Gsc Material Description:
Stratum Description: TILL,SILT,SAND. BROWN. BLACK. 00053ITY = 3300. BEDROCK. SEISMIC VELOCITY = 11500.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 020940 NTS_Sheet: 31G05D
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

Source List

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

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

66	1 of 1	NE/177.8	102.9 / -6.08	5835 HAZLEDEAN ROAD STITTSVILLE ON	WWIS

Well ID: 7140552
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd: 0
Final Well Status: Monitoring and Test Hole
Water Type:
Casing Material:
Audit No: Z89506
Tag: A089061
Constructn Method:
Elevation (m):

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 03/01/2010
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7241
Form Version: 7
Owner:
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:	STITTSVILLE VILLAGE (GOULBOURN)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7140552.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/21/2010
Year Completed:	2010
Depth (m):	3.66
Latitude:	45.2796095502367
Longitude:	-75.9178897225515
X:	-75.91788956189149
Y:	45.27960954361646
Path:	714\7140552.pdf

Bore Hole Information

Bore Hole ID:	1002942178	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428009.00
Code OB Desc:		**North83:**	5014422.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/21/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	digit
Location Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003130071
Layer:	3
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	1.8300000429153442
Formation End Depth:	3.6600000858306885
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003130070
Layer:	2
Color:	2
General Color:	GREY
Material 1:	06
Material 1 Desc:	SILT
Material 2:	28
Material 2 Desc:	SAND
Material 3:	85
Material 3 Desc:	SOFT
Formation Top Depth:	0.6100000143051147
Formation End Depth:	1.8300000429153442
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1003130069
Layer:	1
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	0.6100000143051147
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003130073
Layer:	1
Plug From:	0.0
Plug To:	0.3100000023841858
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003130075
Layer:	3
Plug From:	0.9100000262260437
Plug To:	3.6600000858306885
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003130074
Layer:	2
Plug From:	0.3100000023841858
Plug To:	0.9100000262260437
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003130081

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

Pipe Information

Pipe ID: 1003130068
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003130077
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 0.6100000143051147
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1003130078
Layer: 1
Slot: 10
Screen Top Depth: 0.6100000143051147
Screen End Depth: 3.6600000858306885
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 4.820000171661377

Water Details

Water ID: 1003130076
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003130072
Diameter: 8.25
Depth From: 0.0
Depth To: 3.6600000858306885
Hole Depth UOM: m
Hole Diameter UOM: cm

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67 ***1 of 1*** ***SE/177.9*** ***109.9 / 0.92*** ***ON*** ***BORE***

Borehole ID: 609587
OGF ID: 215511203
Status:
Type: Borehole
Use:
Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:

Completion Date:	SEP-1962	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.276239
Total Depth m:	30.5	**Longitude DD:**	-75.917305
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	428051
Drill Method:		**Northing:**	5014047
Orig Ground Elev m:	110	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	113		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218383575	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	4.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:	Boulders	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL,BOULDERS.		

Geology Stratum ID:	218383576	**Mat Consistency:**	
Top Depth:	4.6	**Material Moisture:**	
Bottom Depth:	27.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Limestone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	LIMESTONE.		

Geology Stratum ID:	218383577	**Mat Consistency:**	
Top Depth:	27.4	**Material Moisture:**	
Bottom Depth:	30.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 00095ACK. 00053ITY = 3300. BEDROCK. SEISMIC VELOCITY = 11500. BEDROCK. SE **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: 02095 NTS_Sheet:		
Confiden 1:			

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

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		

68	***1 of 1***	***SE/177.9***	***109.9 / 0.92***	***lot 26 con 11 ON***	***WWIS***

Well ID:	1502925	***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:***	09/24/1962
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3503
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	11
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502925.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/13/1962
Year Completed:	1962
Depth (m):	30.48
Latitude:	45.2762386870255
Longitude:	-75.9173050009567
X:	-75.91730483996986
Y:	45.27623868021326
Path:	150\1502925.pdf

Bore Hole Information

Bore Hole ID:	10024968	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	428050.60
Code OB Desc:		***North83:***	5014047.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	09/13/1962	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	930995587
Layer:	3
Color:	
General Color:	
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	90.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995585
Layer:	1
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995586
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	90.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961502925
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 10573538
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042718
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: 930042717
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 17.0
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: 991502925
Pump Set At:
Static Level: 20.0
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: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933455737
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95.0
Water Found Depth UOM: ft

69	***1 of 4***	***NNW/181.9***	***106.1 / -2.85***	***Murray Smith*** ***18 Bradley Green Court***	***GEN***

Stitsville ON K2S 1B7

Generator No: ON6921600
SIC Code:
SIC Description:
Approval Years: 04
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

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69 | ***2 of 4*** | ***NNW/181.9*** | ***106.1 / -2.85*** | ***S. 21***
18 BRADLEY GREEN CRES., STITTSVILLE.
<UNOFFICIAL>
Ottawa ON | ***SPL***

Ref No: 1672-5UM22Q
Year:
Incident Dt: 12/26/2003
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/26/2003
Dt Document Closed:
Site No:
MOE Response:
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa
Nearest Watercourse:
Site Name: 18 BRADLEY GREEN CRES., STITTSVILLE.<UNOFFICIAL>
Site Address:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: S. 21
Client Type:
Source Type:
Incident Cause: Tank (Above Ground) Leak
Incident Preceding Spill:
Incident Reason: Corrosion - All forms of internal/external corrosion
Incident Summary: Private Trailer-Furnace oil leak to grnd.
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact: Soil Contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code: 13
Contaminant Name: FURNACE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Land
Activity Preceding Spill:
Property 2nd Watershed:

Municipality No:
Nature of Damage:
Discharger Report:
Material Group: Oil
Impact to Health:
Agency Involved:

Property Tertiary Watershed:	
Sector Type:	Other
SAC Action Class:	Spill to Land
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

---

69 | **3 of 4** | **NNW/181.9** | **106.1 / -2.85** | **18 Bradely Green Court Ottawa ON** | **SPL**

Ref No:	1402-7Y7PV5	**Municipality No:**	
Year:		**Nature of Damage:**	
Incident Dt:		**Discharger Report:**	
Dt MOE Arvl on Scn:		**Material Group:**	
MOE Reported Dt:	11/27/2009	**Impact to Health:**	
Dt Document Closed:		**Agency Involved:**	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:	Residence - Historic Spill<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:			
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	Other Discharges		
Incident Preceding Spill:			
Incident Reason:	Spill		
Incident Summary:	Dillon Cnsltng: historic spill from furnace oil tank.		
Environment Impact:	Confirmed		
Health Env Consequence:			
Nature of Impact:	Groundwater Pollution; Other Impact(s); Soil Contamination		
Contaminant Qty:			
Contaminant Qty 1:			
Contaminant Unit:	other - see incident description		
Contaminant Code:	13		
Contaminant Name:	FURNACE OIL		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:			
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Other		
SAC Action Class:	Watercourse Spills		
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
69	4 of 4	NNW/181.9	106.1 / -2.85	18 Bradley Green Court Stittsville ON K2S 1B7	EHS

Order No:	20111024060	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	10/26/2011	**Search Radius (km):**	0.25
Date Received:	10/24/2011 2:01:04 PM	**X:**	-75.920142
Previous Site Name:		**Y:**	45.279952
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
70	1 of 1	W/182.1	110.9 / 1.92	lot 26 con 12 ON	WWIS

Well ID:	1514143	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	07/08/1974
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514143.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/29/1974
Year Completed:	1974
Depth (m):	18.288
Latitude:	45.2782329251554
Longitude:	-75.9222840432097
X:	-75.92228388176997
Y:	45.27823291863819
Path:	151\1514143.pdf

Bore Hole Information

Bore Hole ID:	10036121	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427662.60
Code OB Desc:		**North83:**	5014273.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/29/1974	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 931025445
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 14.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931025444
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930063820
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:

Depth To:	38.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063819
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	15.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063821
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991514143
Pump Set At:	
Static Level:	28.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	55.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934381377
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099051
Test Type:	Draw Down
Test Duration:	15

Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934642370
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899839
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933469949
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 59.0
Water Found Depth UOM: ft

---

71 | ***1 of 1*** | ***WSW/188.2*** | ***111.9 / 2.92*** | ***5924 Hazeldean Stittsville ON K2S 1B9*** | ***EHS***

Order No: 20181217122
Status: C
Report Type: Standard Report
Report Date: 21-DEC-18
Date Received: 17-DEC-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: City Directory; Aerial Photos

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.92148
Y: 45.276445

---

72 | ***1 of 1*** | ***NNE/189.4*** | ***102.8 / -6.15*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID: 1509896
Construction Date:
Use 1st: Commerical
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:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 11/14/1968
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 026
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509896.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/26/1968
Year Completed: 1968
Depth (m): 29.5656
Latitude: 45.2798326728865
Longitude: -75.9181279226326
X: -75.9181277617694
Y: 45.279832666546795
Path: 150\1509896.pdf

Bore Hole Information

Bore Hole ID:	10031928	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427990.60
Code OB Desc:		**North83:**	5014447.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/26/1968	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931013346
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013347
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:

Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 97.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509896
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580498
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930056487
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 97.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056486
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
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: 991509896
Pump Set At:
Static Level:
Final Level After Pumping: 10.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate: 2.0
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: Yes

Water Details

Water ID: 933464791
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 95.0
Water Found Depth UOM: ft

---

73 | **1 of 1** | **WSW/189.4** | **111.9 / 2.92** | **lot 25 con 12 ON** | **WWIS**

Well ID: 1502966
Construction Date:
Use 1st: Commerical
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/08/1959
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4832
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502966.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/14/1959
Year Completed: 1959
Depth (m): 25.908
Latitude: 45.2770547068048
Longitude: -75.9221629590944
X: -75.92216279799305
Y: 45.27705470046481
Path: 150\1502966.pdf

Bore Hole Information

Bore Hole ID: 10025009
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/14/1959
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

Elevation:
Elevrc:
Zone: 18
East83: 427670.60
North83: 5014142.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

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

Overburden and Bedrock Materials Interval

Formation ID: 930995683
Layer: 1
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 85.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042800
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 42.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042801
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 85.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502966
Pump Set At:	
Static Level:	20.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	6.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933455785
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	85.0
Water Found Depth UOM:	ft

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74 ***1 of 2*** ***NW/189.9*** ***109.9 / 0.92*** ***S. 21(1)(f)***
27 Bradly Green, Stittsville.<UNOFFICIAL>
Ottawa ON ***SPL***

Ref No:	2033-7554U5	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:		***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	Oil
MOE Reported Dt:	7/14/2007	***Impact to Health:***	
Dt Document Closed:	9/12/2007	***Agency Involved:***	
Site No:			
MOE Response:	Referral to others		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:	27 Bradly Green, Stittsville.<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:	S. 21(1)(f)		
Client Type:			
Source Type:			
Incident Cause:	Tank (Above Ground) Leak		
Incident Preceding Spill:			
Incident Reason:	Equipment Failure - Malfunction of system components		

Incident Summary:	Private Home Trailer-Fuel leak
Environment Impact:	Confirmed
Health Env Consequence:	
Nature of Impact:	Soil Contamination
Contaminant Qty:	75 L
Contaminant Qty 1:	75
Contaminant Unit:	L
Contaminant Code:	13
Contaminant Name:	FUEL OIL
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	Land
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	Other
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

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74 **2 of 2** **NW/189.9** **109.9 / 0.92** **27 BRADLEY GREEN COURT STITTSVILLE ON** **HINC**

External File Num:	FS INC 0707-03649
Fuel Occurrence Type:	Leak
Date of Occurrence:	7/14/2007
Fuel Type Involved:	Fuel Oil
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Multi-unit Residential
Service Interruptions:	No
Property Damage:	Yes
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No
Reported Details:	
Fuel Category:	Liquid Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	22
Nearby body of water:	No
Enter Drainage Syst.:	No
Approx. Quant. Unit:	Liters
Environmental Impact:	

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75 **1 of 3** **NE/190.1** **102.6 / -6.39** **5835 Hazeldean Rd Ottawa ON K2S1B9** **EHS**

Order No:	20150929015	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	05-OCT-15	**Search Radius (km):**	.25
Date Received:	29-SEP-15	**X:**	-75.918374
Previous Site Name:		**Y:**	45.279703
Lot/Building Size:			
Additional Info Ordered:	City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
75	2 of 3	NE/190.1	102.6 / -6.39	2347934 Ontario Ltd. 5835 Hazeldean Rd Ottawa ON K2S 1V6	ECA

Approval No: 1177-B3VHYB
Approval Date: 2018-10-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: 2347934 Ontario Ltd.
Address: 5835 Hazeldean Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4034-AWCTF9-14.pdf
PDF Site Location:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
75	3 of 3	NE/190.1	102.6 / -6.39	2347934 Ontario Ltd. 5835 Hazeldean Road Ottawa K2S 1V3 CITY OF OTTAWA ON	EBR

EBR Registry No: 013-3632
Ministry Ref No: 4034-AWCTF9
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 15, 2018
Proposal Date: August 22, 2018
Year: 2018
Instrument Type: Environmental Compliance Approval (project type: sewage) - EPA Part II.1-sewage
Off Instrument Name:
Posted By:
Company Name: 2347934 Ontario Ltd.(EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage)
Site Address:
Location Other:
Proponent Name: 2347934 Ontario Ltd.
Proponent Address: 6 Cedarow Court Ottawa Ontario Canada K2S 1V6
Comment Period:
URL: http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTM1OTMy&statusId=MjA3NzM2&language=en
Summary:

Site Location Details:

5835 Hazeldean Road

Ottawa K2S 1V3
CITY OF OTTAWA
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
76	1 of 2	WSW/190.2	111.9 / 2.92	Hazeldean Crossing Inc. 5924 Hazeldean Rd Ottawa ON K2S 1B9	ECA

Approval No: 7785-BXEREA
Approval Date: 2021-02-12
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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

Business Name: Hazeldean Crossing Inc.
Address: 5924 Hazeldean Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4839-BX6UYS-14.pdf
PDF Site Location:

76	2 of 2	WSW/190.2	111.9 / 2.92	5924 Hazeldean Rd, Unit 10, Ottawa OTTAWA ON	SPL

Ref No: 1-1RFZ3I
Year:
Incident Dt: 4/13/2022 1:50:00 PM
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/13/2022 3:04:50 PM
Dt Document Closed:
Site No:
MOE Response: Desktop Response
Site County/District:
Site Geo Ref Meth:
Site District Office: Ottawa District Office
Nearest Watercourse:
Site Name:
Site Address: 5924 Hazeldean Rd, Unit 10, Ottawa
Site Region:
Site Municipality: OTTAWA
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type: Pipeline/Components
Incident Cause:
Incident Preceding Spill: Line Strike
Incident Reason:
Incident Summary: TSSA: Meter set strike, Residential, Ottawa
Environment Impact: 0 No Impact
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 0 other - see notes
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name: NATURAL GAS
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: Air
Activity Preceding Spill:
Property 2nd Watershed: Lower Ottawa
Property Tertiary Watershed: 02KF - Central Ottawa - Mississippi
Sector Type: NATURAL GAS DISTRIBUTION
SAC Action Class:
Call Report Locatn Geodata: {"integration_ids":["PR00003788627"],"wkts":["POINT (-75.9214499000 45.2764000000)"],"creation_date":"2022-04-13"}
Municipality No:
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health: 0 No Impact
Agency Involved:
Time Reported:
System Facility Address:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
77	1 of 1	W/191.2	111.4 / 2.49	lot 25 con 12 ON	WWIS

Well ID: 1502965
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: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/16/1957
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502965.pdf

Additional Detail(s) (Map)

Well Completed Date: 02/14/1957
Year Completed: 1957
Depth (m): 27.432
Latitude: 45.2775476654405
Longitude: -75.922425936596
X: -75.92242577607033
Y: 45.27754765837197
Path: 150\1502965.pdf

Bore Hole Information

Bore Hole ID: 10025008
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/14/1957
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427650.60
North83: 5014197.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995681
Layer: 1
Color:
General Color:

Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995682
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502965
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

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

Construction Record - Casing

Casing ID: 930042799
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042798
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10.0

Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502965
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	
Pumping Rate:	3.0
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:	933455784
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.0
Water Found Depth UOM:	ft

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78 | ***1 of 1*** | ***NNE/191.7*** | ***102.8 / -6.15*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1502972	***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:***	12/04/1950
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4824
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	12
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502972.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/27/1950

Year Completed:	1950
Depth (m):	10.3632
Latitude:	45.2798331853075
Longitude:	-75.9180641802918
X:	-75.9180640191345
Y:	45.27983317854081
Path:	150\1502972.pdf

Bore Hole Information

Bore Hole ID:	10025015	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427995.60
Code OB Desc:		**North83:**	5014447.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	05/27/1950	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	930995694
Layer:	1
Color:	
General Color:	
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995695
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	34.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961502972
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10573585
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042813
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	34.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042812
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	8.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502972
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	8.0
Recommended Pump Depth:	
Pumping Rate:	3.0
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:	933455792
Layer:	2

Kind Code:	1
Kind:	FRESH
Water Found Depth:	34.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933455791
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	25.0
Water Found Depth UOM:	ft

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79 | ***1 of 1*** | ***NNE/192.8*** | ***102.8 / -6.15*** | ***5835 HAZELDEAN ROAD lot 26 con 12 STITTSVILLE ON*** | ***WWIS***

Well ID:	7253249	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring and Test Hole	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	
Final Well Status:	Monitoring and Test Hole	**Date Received:**	12/01/2015
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z222402	**Contractor:**	7241
Tag:	A175705	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/725\7253249.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/30/2015
Year Completed:	2015
Depth (m):	3.1
Latitude:	45.2798422266264
Longitude:	-75.9180592260618
X:	-75.9180590649266
Y:	45.2798422206547
Path:	725\7253249.pdf

Bore Hole Information

Bore Hole ID:	1005826879	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427996.00
Code OB Desc:		**North83:**	5014448.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	10/30/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1005847358
Layer: 1
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 0.9100000262260437
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005847359
Layer: 2
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 0.9100000262260437
Formation End Depth: 1.5399999618530273
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1005847360
Layer: 3
Color: 2
General Color: GREY
Material 1: 06
Material 1 Desc: SILT
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 85
Material 3 Desc: SOFT
Formation Top Depth: 1.5399999618530273
Formation End Depth: 3.0999999046325684
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005847368
Layer: 1
Plug From: 0.0
Plug To: 0.3100000023841858
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005847370
Layer: 3
Plug From: 0.7599999904632568
Plug To: 3.0999999046325684
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1005847369
Layer: 2
Plug From: 0.3100000023841858
Plug To: 0.7599999904632568
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1005847367
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1005847357
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005847363
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 0.9100000262260437
Casing Diameter: 4.03000020980835
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1005847364
Layer: 1
Slot: 10
Screen Top Depth: 0.9100000262260437
Screen End Depth: 3.0999999046325684
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm

Screen Diameter: 4.820000171661377

Water Details

Water ID: 1005847362
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1005847361
Diameter: 11.430000305175781
Depth From: 0.0
Depth To: 3.0999999046325684
Hole Depth UOM: m
Hole Diameter UOM: cm

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80 | ***1 of 1*** | ***NW/193.3*** | ***109.9 / 0.92*** | ***PRIVATE RESIDENCE 52 BRADLEY GREEN COURT FURNACE OIL TANK GOULBOURN TOWNSHIP ON*** | ***SPL***

Ref No: 132872
Year:
Incident Dt: 10/9/1996
Dt MOE Arvl on Scn:
MOE Reported Dt: 10/9/1996
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: GOULBOURN TOWNSHIP
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Preceding Spill:
Incident Reason: ERROR
Incident Summary: PRIVATE RES. UNKN QTY OF STOVE OIL TO THE GRASS VALUE WAS NOT CLOSED
Environment Impact: POSSIBLE
Health Env Consequence:
Nature of Impact: Soil contamination
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:

Municipality No: 20604
Nature of Damage:
Discharger Report:
Material Group:
Impact to Health:
Agency Involved:

Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type:
SAC Action Class:
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

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81 | ***1 of 1*** | ***SE/194.3*** | ***109.9 / 0.92*** | ***lot 26 con 11 ON*** | ***WWIS***

Well ID:	1502917	***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:***	09/08/1959
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4833
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026
Depth to Bedrock:		***Concession:***	11
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502917.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/01/1959
Year Completed: 1959
Depth (m): 25.2984
Latitude: 45.2759216272607
Longitude: -75.9175548771983
X: -75.91755471619192
Y: 45.275921620142256
Path: 150\1502917.pdf

Bore Hole Information

Bore Hole ID:	10024960	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	428030.60
Code OB Desc:		***North83:***	5014012.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	07/01/1959	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m

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

Overburden and Bedrock Materials Interval

Formation ID: 930995570
Layer: 1
Color:
General Color:
Material 1: 26
Material 1 Desc: ROCK
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995571
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 83.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502917
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573530
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042701
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:	
Depth To:	20.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042702
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	83.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502917
Pump Set At:	
Static Level:	16.0
Final Level After Pumping:	16.0
Recommended Pump Depth:	16.0
Pumping Rate:	5.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455729
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	81.0
Water Found Depth UOM:	ft

82	***1 of 1***	***WSW/194.5***	***111.9 / 2.92***	***5927 Hazeldean Rd Ottawa ON K2S1B9***	***EHS***

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

83	***1 of 2***	***SW/195.7***	***111.9 / 2.92***	***Enbridge Gas Distribution Inc. 10 & 12 Victor Street, Stittsville***	***SPL***

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

Ref No: 1822-7RYP9R
Year:
Incident Dt:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/12/2009
Dt Document Closed:
Site No:
MOE Response: Not MOE mandate
Site County/District:
Site Geo Ref Meth:
Site District Office:
Nearest Watercourse:
Site Name: 10 & 12 Victor Street, Stittsville<UNOFFICIAL>
Site Address:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Site Geo Ref Accu:
Site Map Datum:
Northing:
Easting:
Entity Operating Name:
Client Name: Enbridge Gas Distribution Inc.
Client Type:
Source Type:
Incident Cause: Discharge or Emission to Air
Incident Preceding Spill:
Incident Reason: Unknown - Reason not determined
Incident Summary: TSSA: nat'l gas to atm, 1/2-inch plastic gasline strike
Environment Impact: Not Anticipated
Health Env Consequence:
Nature of Impact:
Contaminant Qty: 0 other - see incident description
Contaminant Qty 1: 0
Contaminant Unit: other - see incident description
Contaminant Code:
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Pipeline
SAC Action Class: Air Spills - Gases and Vapours
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

83	2 of 2	SW/195.7	111.9 / 2.92	BETWEEN 10 & 12 VICTOR STREET STITTSVILLE ON	HINC

External File Num: FS INC 0905-02558
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 5/12/2009
Fuel Type Involved: Natural Gas
Status Desc: Completed - Causal Analysis(End)
Job Type Desc: Incident/Near-Miss Occurrence (FS)
Oper. Type Involved: Private Dwelling

Service Interruptions:	Yes
Property Damage:	Yes
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No Training:No Management:No Human Factors:No
Reported Details:	
Fuel Category:	Gaseous Fuel
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

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84 | ***1 of 1*** | ***NE/196.8*** | ***102.3 / -6.63*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1502980	**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:**	01/19/1960
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502980.pdf

Additional Detail(s) (Map)

Well Completed Date:	10/30/1959
Year Completed:	1959
Depth (m):	31.3944
Latitude:	45.2797457436028
Longitude:	-75.9177440174871
X:	-75.91774385608731
Y:	45.2797457376382
Path:	150\1502980.pdf

Bore Hole Information

Bore Hole ID:	10025023	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428020.60
Code OB Desc:		**North83:**	5014437.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5

Date Completed: 10/30/1959 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995713
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 103.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995712
Layer: 1
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502980
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573593
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042828

Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	103.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042827
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
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:	991502980
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	70.0
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

Water Details

Water ID:	933455803
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	103.0
Water Found Depth UOM:	ft

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85 ***1 of 1*** ***NE/197.8*** ***102.3 / -6.63*** ***ON*** ***WWIS***

Well ID:	7188847	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	Yes
Use 2nd:		**Data Src:**	
Final Well Status:		**Date Received:**	08/12/2012
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	C15853	**Contractor:**	1844
Tag:	A130192	**Form Version:**	8

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

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:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7188847.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/11/2012
Year Completed:	2012
Depth (m):	
Latitude:	45.2797547849082
Longitude:	-75.9177390632135
X:	-75.91773890187937
Y:	45.27975477850183
Path:	718\7188847.pdf

Bore Hole Information

Bore Hole ID:	1004197881	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428021.00
Code OB Desc:		**North83:**	5014438.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/11/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
86	1 of 1	ENE/199.1	102.9 / -6.05	lot 26 con 11 ON	WWIS

Well ID:	1502911	**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:**	10/03/1956
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	

Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502911.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/23/1956
Year Completed:	1956
Depth (m):	15.24
Latitude:	45.2791228881195
Longitude:	-75.9168414783679
X:	-75.91684131727617
Y:	45.27912288163258
Path:	150\1502911.pdf

Bore Hole Information

Bore Hole ID:	10024954	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	428090.60
Code OB Desc:		***North83:***	5014367.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	04/23/1956	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	930995560
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930995559
Layer:	1
Color:	
General Color:	
Material 1:	17

Material 1 Desc: SHALE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502911
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573524
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042690
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 50.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042689
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 8.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502911
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 10.0
Recommended Pump Depth:
Pumping Rate: 3.0
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:	933455723
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	50.0
Water Found Depth UOM:	ft

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87 | ***1 of 1*** | ***NE/201.5*** | ***103.0 / -6.00*** | ***5830 Hazeldean Road Stittsville ON K2S 1B9*** | ***EHS***

Order No:	21112600071	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	01-DEC-21	**Search Radius (km):**	.25
Date Received:	26-NOV-21	**X:**	-75.9170809
Previous Site Name:		**Y:**	45.2793466
Lot/Building Size:	0.40 ha		

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

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88 | ***1 of 1*** | ***WNW/203.1*** | ***110.7 / 1.78*** | ***lot 26 con 12 ON*** | ***WWIS***

Well ID:	1502971	**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:**	12/04/1950
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502971.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/14/1950
Year Completed:	1950
Depth (m):	27.432
Latitude:	45.2791728693661
Longitude:	-75.9218147729542
X:	-75.92181461182227
Y:	45.279172862175706

Path: 150\1502971.pdf

Bore Hole Information

Bore Hole ID:	10025014	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427700.60
Code OB Desc:		**North83:**	5014377.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	04/14/1950	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995692
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995693
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502971
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10573584
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930042810
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	10.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042811
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502971
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	1.0
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:	933455790
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
89	1 of 2	NE/212.8	102.3 / -6.63	5831 AND 5835 HAZELDEAN RD. OTTAWA ON	WWIS

Well ID: 7146134
Construction Date:
Use 1st: Test Hole
Use 2nd:
Final Well Status: Test Hole
Water Type:
Casing Material:
Audit No: Z106992
Tag: A094384
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 06/04/2010
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146134.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/09/2010
Year Completed: 2010
Depth (m): 4.5
Latitude: 45.2798016303146
Longitude: -75.9175103164188
X: -75.91751015494711
Y: 45.27980162370856
Path: 714\7146134.pdf

Bore Hole Information

Bore Hole ID: 1002989241
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/09/2010
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 428039.00
North83: 5014443.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1003129868
Layer: 3
Color:
General Color:

Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3: 26
Material 3 Desc: ROCK
Formation Top Depth: 0.44999998807907104
Formation End Depth: 4.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003129866
Layer: 1
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.15000000596046448
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1003129867
Layer: 2
Color:
General Color:
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3: 01
Material 3 Desc: FILL
Formation Top Depth: 0.15000000596046448
Formation End Depth: 0.44999998807907104
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003129872
Layer: 2
Plug From: 0.8999999761581421
Plug To: 4.5
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1003129871
Layer: 1
Plug From: 0.0
Plug To: 0.8999999761581421
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID:	1003129877
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	

Pipe Information

Pipe ID:	1003129865
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003129874
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	1.649999976158142
Casing Diameter:	3.5
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003129875
Layer:	1
Slot:	10
Screen Top Depth:	1.649999976158142
Screen End Depth:	4.5
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	4.099999904632568

Water Details

Water ID:	1003129873
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	1.600000023841858
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1003129869
Diameter:	7.5
Depth From:	0.0
Depth To:	0.5
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1003129870
Diameter:	5.599999904632568

Depth From:	0.5
Depth To:	4.5
Hole Depth UOM:	m
Hole Diameter UOM:	cm

89 **2 of 2** **NE/212.8** **102.3 / -6.63** **5831 AND 5835 HAZELDON RD. OTTAWA ON** **WWIS**

Well ID:	7146224	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Test Hole	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned Monitoring and Test Hole	**Date Received:**	06/08/2010
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z106993	**Contractor:**	6964
Tag:	A094384	**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): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146224.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/27/2010
Year Completed:	2010
Depth (m):	
Latitude:	45.2798016303146
Longitude:	-75.9175103164188
X:	-75.91751015494711
Y:	45.27980162370856
Path:	714\7146224.pdf

Bore Hole Information

Bore Hole ID:	1002995133	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428039.00
Code OB Desc:		**North83:**	5014443.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	04/27/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment

Sealing Record

Plug ID:	1003135155
Layer:	1
Plug From:	0.0
Plug To:	0.5
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1003135156
Layer:	2
Plug From:	0.5
Plug To:	4.5
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1003135161
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1003135151
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003135158
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003135159
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Water Details

Water ID:	1003135157
Layer:	
Kind Code:	

Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1003135154
Diameter: 5.599999904632568
Depth From: 0.5
Depth To: 4.5
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1003135153
Diameter: 7.5
Depth From: 0.0
Depth To: 0.5
Hole Depth UOM: m
Hole Diameter UOM: cm

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90 | ***1 of 6*** | ***ESE/215.1*** | ***108.9 / -0.08*** | ***ABBOTSFORD MOVING AND STORAGE LTD.***
11 SWEETNAM DRIVE UNIT 506 & 507
STITTSVILLE ON K2S 1G3 | ***GEN***

Generator No: ON2038701
SIC Code: 4561
SIC Description: GEN. FREIGHT TRUCK.
Approval Years: 95,96,97,98
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: 252
Waste Class Name: WASTE OILS & LUBRICANTS

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90 | ***2 of 6*** | ***ESE/215.1*** | ***108.9 / -0.08*** | ***ABBOTSFORD MOVING AND STORAGE LTD.***
11 SWEETNAM DRIVE, UNIT 506,507
STITTSVILLE ON K2S 1G3 | ***GEN***

Generator No: ON2038701
SIC Code: 4561
SIC Description: GEN. FREIGHT TRUCK.
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: 212
Waste Class Name: ALIPHATIC SOLVENTS

Waste Class: 213
Waste Class Name: PETROLEUM DISTILLATES

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

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90 | ***3 of 6*** | ***ESE/215.1*** | ***108.9 / -0.08*** | ***1828472 ONTARIO INC.***
11 SWEETNAM
STITTSVILLE ON K2S 1G2 | ***EASR***

Approval No: R-001-6603178864
Status: REGISTERED
Date: 2016-06-15
Record Type: EASR
Link Source: MOFA
Project Type: Automotive Refinishing Facility
Full Address:
Approval Type: EASR-Automotive Refinishing Facility
SWP Area Name: Rideau Valley
PDF NAICS Code:
PDF URL:
PDF Site Location:

MOE District: Ottawa
Municipality: STITTSVILLE
Latitude: 45.25055556
Longitude: -75.91194444
Geometry X:
Geometry Y:

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90 | ***4 of 6*** | ***ESE/215.1*** | ***108.9 / -0.08*** | ***CDS Store-All Ltd***
11 Sweetnam Dr K2S 1G2
Stittsville ON K2S 1G2 | ***GEN***

Generator No: ON7300049
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: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

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90 | ***5 of 6*** | ***ESE/215.1*** | ***108.9 / -0.08*** | ***CDS Store-All Ltd***
11 Sweetnam Dr K2S 1G2
Stittsville ON K2S 1G2 | ***GEN***

Generator No: ON7300049
SIC Code:

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

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: 251 L
Waste Class Name: Waste oils/sludges (petroleum based)

90	6 of 6	ESE/215.1	108.9 / -0.08	CDS Store-All Ltd 11 Sweetnam Dr K2S 1G2 Stittsville ON K2S 1G2	GEN

Generator No: ON7300049
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: 251 L
Waste Class Name: OIL SKIMMINGS & SLUDGES

91	1 of 1	WSW/223.4	111.9 / 2.92	STITTSVILLE BICYCLE REPAIRS 5931-B HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9	GEN

Generator No: ON2252700
SIC Code: 6542
SIC Description: BICYCLE SHOPS
Approval Years: 97,98,99,00,01
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
92	1 of 1	WSW/227.1	111.9 / 2.92	5933 Hazeldean Road Stittsville ON K2S 1B9	EHS

Order No:	20190719096	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	26-JUL-19	**Search Radius (km):**	.25
Date Received:	19-JUL-19	**X:**	-75.92256
Previous Site Name:		**Y:**	45.276861
Lot/Building Size:			

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
93	1 of 1	W/228.6	111.9 / 2.92	ON	BORE

Borehole ID:	609596	**Inclin FLG:**	No
OGF ID:	215511212	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:	-13.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.277769
Total Depth m:	-999	**Longitude DD:**	-75.922939
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	427611
Drill Method:		**Northing:**	5014222
Orig Ground Elev m:	112	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	114		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218383597	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Unknown	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: UNSPECIFIED.

Geology Stratum ID:	218383598	**Mat Consistency:**	Dense
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Limestone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			

Stratum Description: BEDROCK,LIMESTONE. STABLE AT 415.0 FEET.VERY DENSE. BEDROCK. SEISMIC VELOCITY = 11500.

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 021040 NTS_Sheet: 31G05D		
Confiden 1:	Reliable information but incomplete.		

Source List

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

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94 | ***1 of 1*** | ***WSW/235.6*** | ***111.9 / 2.92*** | ***FRANK CANTUSCI UPHOLSTERY 5933 HAZELDEAN ROAD GOULBOURN TWP. ON K2S 1B9*** | ***GEN***

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

Detail(s)

Waste Class:	211
Waste Class Name:	AROMATIC SOLVENTS

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95 | ***1 of 1*** | ***WSW/236.4*** | ***111.9 / 2.92*** | ***lot 25 con 12 ON*** | ***WWIS***

Well ID:	1502967	**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:**	10/04/1962
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	025
Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502967.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/30/1962
Year Completed: 1962
Depth (m): 36.576
Latitude: 45.2769150685771
Longitude: -75.922734423209
X: -75.92273426198224
Y: 45.27691506249413
Path: 150\1502967.pdf

Bore Hole Information

Bore Hole ID:	10025010	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427625.60
Code OB Desc:		***North83:***	5014127.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	08/30/1962	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930995685
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 120.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995684
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2:
Material 2 Desc:
Material 3:

Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Method of Construction & Well Use

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

Pipe Information

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

Construction Record - Casing

Casing ID: 930042802
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 7.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042803
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 120.0
Casing Diameter: 7.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502967
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 100.0
Pumping Rate: 3.0
Flowing Rate:
Recommended Pump Rate: 3.0
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: 933455786
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 120.0
Water Found Depth UOM: ft

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96 | ***1 of 1*** | ***WSW/237.3*** | ***111.9 / 2.92*** | ***5938 HAZELDEAN RD lot 25 con 11 STITTSVILLE ON*** | ***WWIS***

Well ID: 7350096
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z296666
Tag: A255982
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 12/18/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID: 1007816427
Depth M: 4.6229016
Year Completed: 2019
Well Completed Dt: 02/19/2019
Audit No: Z296666
Path:

Tag No: A255982
Contractor: 6964
Latitude: 45.2762542340015
Longitude: -75.9220811465479
Y: 45.27625422713564
X: -75.92208098582029

Bore Hole Information

Bore Hole ID: 1007816427
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 02/19/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427676.00
North83: 5014053.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1008149381
Layer:	2
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	66
Material 3 Desc:	DENSE
Formation Top Depth:	0.5
Formation End Depth:	1.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1008149380
Layer:	1
Color:	8
General Color:	BLACK
Material 1:	27
Material 1 Desc:	OTHER
Material 2:	
Material 2 Desc:	
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	0.0
Formation End Depth:	0.5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1008149383
Layer:	4
Color:	6
General Color:	BROWN
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	80
Material 2 Desc:	POROUS
Material 3:	73
Material 3 Desc:	HARD
Formation Top Depth:	5.5
Formation End Depth:	15.166999816894531
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1008149382
Layer:	3
Color:	2
General Color:	GREY
Material 1:	28
Material 1 Desc:	SAND
Material 2:	12

Material 2 Desc:	STONES
Material 3:	77
Material 3 Desc:	LOOSE
Formation Top Depth:	1.5
Formation End Depth:	5.5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150098
Layer:	2
Plug From:	4.166999816894531
Plug To:	15.166999816894531
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150097
Layer:	1
Plug From:	0.0
Plug To:	4.166999816894531
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008150930
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1008148322
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008151305
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	5.166999816894531
Casing Diameter:	1.25
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008151567
Layer:	1
Slot:	10
Screen Top Depth:	5.166999816894531
Screen End Depth:	15.166999816894531
Screen Material:	5
Screen Depth UOM:	ft

Screen Diameter UOM: inch
Screen Diameter: 1.625

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1008152105
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1008150494
Diameter: 3.0
Depth From: 5.5
Depth To: 15.166999816894531
Hole Depth UOM: ft
Hole Diameter UOM: Inch

Hole Diameter

Hole ID: 1008150493
Diameter: 6.0
Depth From: 0.0
Depth To: 5.5
Hole Depth UOM: ft
Hole Diameter UOM: Inch

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97 | **1 of 1** | **W/239.2** | **111.9 / 2.92** | **lot 25 con 12 ON** | **WWIS**

Well ID: 1502964
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:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/19/1953
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 12
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502964.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/07/1953
Year Completed: 1953
Depth (m): 27.432
Latitude: 45.2773630242839
Longitude: -75.9229966753457
X: -75.92299651422485
Y: 45.27736301769017
Path: 150\1502964.pdf

Bore Hole Information

Bore Hole ID: 10025007
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/07/1953
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427605.60
North83: 5014177.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930995680
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 90.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995679
Layer: 1
Color:
General Color:
Material 1: 26
Material 1 Desc: ROCK
Material 2: 17

Material 2 Desc: SHALE
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502964
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

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

Construction Record - Casing

Casing ID: 930042797
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 90.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930042796
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502964
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 15.0
Recommended Pump Depth:
Pumping Rate: 5.0
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:	933455783
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65.0
Water Found Depth UOM:	ft

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98 | ***1 of 1*** | ***SE/240.9*** | ***109.9 / 0.92*** | ***lot 26 con 11 ON*** | ***WWIS***

Well ID:	1502922	**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:**	09/08/1959
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502922.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/24/1959
Year Completed:	1959
Depth (m):	30.1752
Latitude:	45.2758382779927
Longitude:	-75.9167248341584
X:	-75.91672467315097
Y:	45.27583827134877
Path:	150\1502922.pdf

Bore Hole Information

Bore Hole ID:	10024965	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428095.60
Code OB Desc:		**North83:**	5014002.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	07/24/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		

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

Overburden and Bedrock Materials Interval

Formation ID: 930995580
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 09
Material 2 Desc: MEDIUM SAND
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930995581
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 99.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502922
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573535
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930042711
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:	
Depth To:	20.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930042712
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	99.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502922
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	5.0
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:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933455734
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65.0
Water Found Depth UOM:	ft

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99 | ***1 of 1*** | ***NNE/242.5*** | ***102.9 / -6.08*** | ***5835 lot 26 con 12 STITTSVILLE ON*** | ***WWIS***

Well ID:	7314302	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Monitoring	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Abandoned-Other	***Date Received:***	07/09/2018
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	Yes
Audit No:	Z252111	***Contractor:***	4875
Tag:		***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	026

Depth to Bedrock:		**Concession:**	12
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/731\7314302.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/07/2018
Year Completed:	2018
Depth (m):	
Latitude:	45.2804584308961
Longitude:	-75.9186684266565
X:	-75.9186682661658
Y:	45.280458424245445
Path:	731\7314302.pdf

Bore Hole Information

Bore Hole ID:	1007147724	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427949.00
Code OB Desc:		**North83:**	5014517.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/07/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007406709
Layer:	
Color:	
General Color:	
Material 1:	
Material 1 Desc:	
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	
Formation End Depth:	
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID: 1007518602

Layer: 1
Plug From: 0.0
Plug To: 4.550000190734863
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1007406714
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1007406708
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007406712
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0.0
Depth To: 1.5499999523162842
Casing Diameter: 3.799999952316284
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1007406713
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1007518600
Pump Set At:
Static Level: 3.299999952316284
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: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:

Flowing:

Water Details

Water ID: 1007406711
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1007406710
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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100 | ***1 of 1*** | ***WSW/247.4*** | ***112.2 / 3.22*** | ***5938 HAZELDEAN RD lot 25 con 11 STITTSVILLE ON*** | ***WWIS***

Well ID: 7350099
Construction Date:
Use 1st: Monitoring and Test Hole
Use 2nd:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z296671
Tag: A255985
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 12/18/2019
Selected Flag: TRUE
Abandonment Rec:
Contractor: 6964
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession: 11
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Additional Detail(s) (Map)

Bore Hole ID: 1007816453
Depth M: 4.6734984
Year Completed: 2019
Well Completed Dt: 02/20/2019
Audit No: Z296671
Path:

Tag No: A255985
Contractor: 6964
Latitude: 45.2762795880214
Longitude: -75.9222855464025
Y: 45.27627958142449
X: -75.92228538481704

Bore Hole Information

Bore Hole ID: 1007816453
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:

Elevation:
Elevrc:
Zone: 18
East83: 427660.00
North83: 5014056.00
Org CS: UTM83
UTMRC: 4

Date Completed: 02/20/2019
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1008149389
Layer: 3
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 12
Material 2 Desc: STONES
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 1.5
Formation End Depth: 3.5829999446868896
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149387
Layer: 1
Color: 8
General Color: BLACK
Material 1: 27
Material 1 Desc: OTHER
Material 2:
Material 2 Desc:
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 0.0
Formation End Depth: 0.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1008149390
Layer: 4
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 80
Material 2 Desc: POROUS
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 3.5829999446868896
Formation End Depth: 15.333000183105469
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	1008149388
Layer:	2
Color:	2
General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	
Material 2 Desc:	
Material 3:	66
Material 3 Desc:	DENSE
Formation Top Depth:	0.5
Formation End Depth:	1.5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150104
Layer:	2
Plug From:	4.333000183105469
Plug To:	15.333000183105469
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1008150103
Layer:	1
Plug From:	0.0
Plug To:	4.333000183105469
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1008150935
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1008148325
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1008151308
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.0
Depth To:	5.333000183105469
Casing Diameter:	1.25
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1008151570
Layer:	1
Slot:	10
Screen Top Depth:	5.333000183105469
Screen End Depth:	15.333000183105469
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	1.625

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1008152108
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Hole Diameter

Hole ID:	1008150498
Diameter:	6.0
Depth From:	0.0
Depth To:	3.5829999446868896
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

Hole Diameter

Hole ID:	1008150499
Diameter:	3.0
Depth From:	3.5829999446868896
Depth To:	15.333000183105469
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

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101 ***1 of 1*** ***ENE/247.4*** ***103.9 / -5.05*** ***lot 26 con 11 ON*** ***WWIS***

Well ID:	7387246	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	Yes
Use 2nd:		***Data Src:***	
Final Well Status:		***Date Received:***	05/17/2021
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	C32280	***Contractor:***	7328
Tag:	A147921	***Form Version:***	8

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

Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	026
Depth to Bedrock:		**Concession:**	11
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1008665143	**Tag No:**	A147921
Depth M:		**Contractor:**	7328
Year Completed:	2018	**Latitude:**	45.2793611325309
Well Completed Dt:	11/06/2018	**Longitude:**	-75.9163174649723
Audit No:	C32280	**Y:**	45.27936112627759
Path:		**X:**	-75.91631730407285

Bore Hole Information

Bore Hole ID:	1008665143	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	428132.00
Code OB Desc:		**North83:**	5014393.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/06/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
102	1 of 1	WSW/247.8	111.9 / 2.92	5438 Hazeldean Rd Ottawa ON	WWIS

Well ID:	7374878	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Monitoring	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Observation Wells	**Date Received:**	12/11/2020
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z343106	**Contractor:**	7241
Tag:	A296281	**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:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737\7374878.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/20/2020
Year Completed: 2020
Depth (m):
Latitude: 45.2761815109311
Longitude: -75.9221692138028
X: -75.92216905303455
Y: 45.27618150443434
Path: 737\7374878.pdf

Bore Hole Information

Bore Hole ID: 1008530053
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/20/2020
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427669.00
North83: 5014045.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1009708991
Layer: 2
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 06
Material 2 Desc: SILT
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 2.0
Formation End Depth: 4.5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1009708990
Layer: 1
Color: 2
General Color: GREY
Material 1: 11
Material 1 Desc: GRAVEL
Material 2: 06
Material 2 Desc: SILT
Material 3: 77

Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1009708992
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 4.5
Formation End Depth: 15.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1009710948
Layer: 2
Plug From: 4.0
Plug To: 15.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1009710947
Layer: 1
Plug From: 0.0
Plug To: 4.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1009713562
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 1009707559
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1009714241
Layer: 1
Material: 5
Open Hole or Material: PLASTIC

Depth From:	0.0
Depth To:	5.0
Casing Diameter:	1.590000033378601
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1009714956
Layer:	1
Slot:	10
Screen Top Depth:	5.0
Screen End Depth:	15.0
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	Inch
Screen Diameter:	1.659999966621399

Construction Record - Screen

Screen ID:	1009714957
Layer:	2
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	Inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1009715640
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Hole Diameter

Hole ID:	1009712891
Diameter:	2.25
Depth From:	8.0
Depth To:	15.0
Hole Depth UOM:	ft
Hole Diameter UOM:	Inch

Hole Diameter

Hole ID:	1009712890

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

Diameter: 3.0
Depth From: 0.0
Depth To: 8.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

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103 | **1 of 16** | **WSW/248.2** | **111.9 / 2.92** | **SAAB GAS CENTRE**
5938 HAZELDAN RD
STITTSVL ON K2S 1A9 | **RST**

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

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103 | **2 of 16** | **WSW/248.2** | **111.9 / 2.92** | **NATIONAL PETROLEUM**
5938 HAZELDEAN RD
STITTSVILLE ON K2S 1B9 | **FSTH**

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

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

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

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

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

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103 | **3 of 16** | **WSW/248.2** | **111.9 / 2.92** | **NATIONAL PETROLEUM**
5938 HAZELDAN RD
STITTSVILLE ON K2S 1A9 | **RST**

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
103	4 of 16	WSW/248.2	111.9 / 2.92	NATIONAL PETROLEUM 5938 HAZELDEAN RD STITTSVILLE ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	10359866	**Expired Date:**	
Status:	EXPIRED	**Max Hazard Rank:**	
Instance ID:	16489	**Facility Location:**	
Instance Type:	FS Facility	**Facility Type:**	
Instance Creation Dt:		**Fuel Type 2:**	
Instance Install Dt:		**Fuel Type 3:**	
Item Description:		**Panam Related:**	
Manufacturer:		**Panam Venue Nm:**	
Model:		**External Identifier:**	
Serial No:		**Item:**	
ULC Standard:		**Piping Steel:**	
Quantity:		**Piping Galvanized:**	
Unit of Measure:		**Tank Single Wall St:**	
Overfill Prot Type:		**Piping Underground:**	
Creation Date:		**Tank Underground:**	
Next Periodic Str DT:		**Source:**	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:	FS Propane Refill Cntr - Cylr Fill		
Original Source:	EXP		
Record Date:	Up to Mar 2012		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
103	5 of 16	WSW/248.2	111.9 / 2.92	NATIONAL PETROLEUM 5938 HAZELDEAN RD STITTSVILLE ON	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	11662830	**Expired Date:**	
Status:	EXPIRED	**Max Hazard Rank:**	
Instance ID:	96546	**Facility Location:**	
Instance Type:	FS Propane Tank	**Facility Type:**	
Instance Creation Dt:		**Fuel Type 2:**	
Instance Install Dt:		**Fuel Type 3:**	
Item Description:		**Panam Related:**	
Manufacturer:		**Panam Venue Nm:**	
Model:		**External Identifier:**	
Serial No:		**Item:**	
ULC Standard:		**Piping Steel:**	
Quantity:		**Piping Galvanized:**	
Unit of Measure:		**Tank Single Wall St:**	
Overfill Prot Type:		**Piping Underground:**	
Creation Date:		**Tank Underground:**	
Next Periodic Str DT:		**Source:**	

TSSA Base Sched Cycle 2:
TSSAMax Hazard Rank 1:
TSSA Risk Based Periodic Yn:
TSSA Volume of Directives:
TSSA Periodic Exempt:
TSSA Statutory Interval:
TSSA Recd Insp Interva:
TSSA Recd Tolerance:
TSSA Program Area:
TSSA Program Area 2:
Description: FS Propane Tank
Original Source: EXP
Record Date: Up to Mar 2012

---

103 | ***6 of 16*** | ***WSW/248.2*** | ***111.9 / 2.92*** | ***Stone Mills Environmental Services*** | ***GEN***
5938 Hazeldean Rd
Ottawa ON

Generator No: ON7022257
SIC Code: 562110
SIC Description: Waste Collection
Approval Years: 2012
PO Box No:
Country:
Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contaminated Facility:
MHSW Facility:

---

103 | ***7 of 16*** | ***WSW/248.2*** | ***111.9 / 2.92*** | ***HAZELDEAN CROSSING INC.*** | ***RSC***
5938 HAZELDEAN ROAD ON
Ottawa ON

RSC No: 228225
RA No:
Status: FILED
Filing Date:
Date Ack:
Date Returned:
Approval Date: March 12, 2021
Cert Date:
Cert Prop Use No:
Curr Property Use:
Intended Prop Use:
Restoration Type:
Soil Type:
Criteria:
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N):
CPU Issu Sect 1686:
Business Name: HAZELDEAN CROSSING INC.
Address: 5938 HAZELDEAN ROAD ON
Legal Desc:
Site Pin: 04462-0745 (LT)
Asmt Roll No:
Project Type: POST2011
Approval Type: RSC based on Phase One and Two ESAs
Applicable Standards:
PDF Link: https://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=228225

X: -75.92235468804972
Y: 45.2761404054749
Latitude: 45.27614041
Longitude: -75.92235469
UTM Coordinates:
Latitude Longitude:
Accuracy Estimate:
Measurement Method:
Mailing Address:
Telephone:
Fax:
Email:
Postal Code: K2S 1B9
Ministry District:
MOE District: Ottawa
SWP Area Name: Mississippi Valley
Qual Person Name: MARK MCCALLA
Consultant:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
103	8 of 16	WSW/248.2	111.9 / 2.92	5938 HAZELDEAN RD STITTSVILLE ON K2S 1B9	DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	9835124	***Expired Date:***	
Status:	Abandoned	***Max Hazard Rank:***	
Instance ID:		***Facility Location:***	
Instance Type:		***Facility Type:***	
Instance Creation Dt:		***Fuel Type 2:***	
Instance Install Dt:		***Fuel Type 3:***	
Item Description:		***Panam Related:***	
Manufacturer:		***Panam Venue Nm:***	
Model:		***External Identifier:***	
Serial No:		***Item:***	FS GASOLINE STATION - FULL SERVE
ULC Standard:		***Piping Steel:***	
Quantity:		***Piping Galvanized:***	
Unit of Measure:		***Tank Single Wall St:***	
Overfill Prot Type:		***Piping Underground:***	
Creation Date:		***Tank Underground:***	
Next Periodic Str DT:		***Source:***	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	28-FEB-2022		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
103	9 of 16	WSW/248.2	111.9 / 2.92	NATIONAL PETROLEUM 5938 HAZELDEAN RD STITTSVILLE ON	EXP

Inventory No:	11615489	***Tank Material:***	Steel
Inventory Status:	Abandoned	***Corrosion Protect:***	Sacrificial anode
Installation Year:	1990	***Overfill Protection:***	
Capacity:	9000	***Inventory Context:***	FS Liquid Fuel Tank
Capacity Unit:		***Inventory Item:***	FS LIQUID FUEL TANK
Tank Type:			
Manufacturer:			
Model:			
Description:			
Previous Fuel Type:	Diesel		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
103	10 of 16	WSW/248.2	111.9 / 2.92	NATIONAL PETROLEUM 5938 HAZELDEAN RD STITTSVILLE ON	EXP

Inventory No:	10981833	***Tank Material:***	Steel
Inventory Status:	Abandoned	***Corrosion Protect:***	Sacrificial anode
Installation Year:	1990	***Overfill Protection:***	
Capacity:	13600	***Inventory Context:***	FS Liquid Fuel Tank
Capacity Unit:		***Inventory Item:***	FS LIQUID FUEL TANK

Tank Type:
Manufacturer:
Model:
Description: CLEAR DIEL
Previous Fuel Type: Diesel

---

103 ***11 of 16*** ***WSW/248.2*** ***111.9 / 2.92*** ***NATIONAL PETROLEUM***
5938 HAZELDEAN RD
STITTSVILLE ON
EXP

Inventory No: 10981818
Inventory Status: Abandoned
Installation Year: 1990
Capacity: 9000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:
Previous Fuel Type: Gasoline

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

103 ***12 of 16*** ***WSW/248.2*** ***111.9 / 2.92*** ***NATIONAL PETROLEUM***
5938 HAZELDEAN RD
STITTSVILLE ON
EXP

Inventory No: 10981842
Inventory Status: Abandoned
Installation Year: 1990
Capacity: 9000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description: COLOURED DIEL
Previous Fuel Type: Diesel

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

103 ***13 of 16*** ***WSW/248.2*** ***111.9 / 2.92*** ***NATIONAL PETROLEUM***
5938 HAZELDEAN RD
STITTSVILLE ON
EXP

Inventory No: 11615482
Inventory Status: Abandoned
Installation Year: 1990
Capacity: 13600
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:
Previous Fuel Type: Diesel

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

103 ***14 of 16*** ***WSW/248.2*** ***111.9 / 2.92*** ***NATIONAL PETROLEUM***
5938 HAZELDEAN RD
STITTSVILLE ON
EXP

Inventory No: 11615459
Inventory Status: Abandoned
Installation Year: 1990
Capacity: 36000

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank

Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:
Previous Fuel Type: Gasoline

Inventory Item: FS LIQUID FUEL TANK

---

103 | ***15 of 16*** | ***WSW/248.2*** | ***111.9 / 2.92*** | ***NATIONAL PETROLEUM***
5938 HAZELDEAN RD
STITTSVILLE ON | ***EXP***

Inventory No: 10981809
Inventory Status: Abandoned
Installation Year: 1990
Capacity: 36000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:
Previous Fuel Type: Gasoline

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

---

103 | ***16 of 16*** | ***WSW/248.2*** | ***111.9 / 2.92*** | ***NATIONAL PETROLEUM***
5938 HAZELDEAN RD
STITTSVILLE ON | ***EXP***

Inventory No: 11615471
Inventory Status: Abandoned
Installation Year: 1990
Capacity: 9000
Capacity Unit:
Tank Type:
Manufacturer:
Model:
Description:
Previous Fuel Type: Gasoline

Tank Material: Steel
Corrosion Protect: Sacrificial anode
Overfill Protection:
Inventory Context: FS Liquid Fuel Tank
Inventory Item: FS LIQUID FUEL TANK

Unplottable Summary

Total: 30 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R.M. OTTAWA-CARLETON	IVA STREET	GOULBOURN TWP. ON	
CA	MR.E.COATES	HARTIN ST.	GOULBOURN ON	
CA	City of Ottawa	Hartin Street between Hazeldean Road and Johnwoods St	Ottawa ON	
CA	FRINGEWOOD CORPORATION PH. II	SWEETNAM DR.	GOULBOURN TWP. ON	
CA	R.M. OF OTTAWA-CARLETON-PT. 2-5, LOT 31	HAZELDEAN SEWAGE PUMP STATION	KANATA CITY ON	
CA	PATTEN HOMES LIMITED	LOT 26/C-XI, FOREST CREEK SUB.	GOULBOURN ON	
CA	PHIL SWEETNAM MOBILE HOME PARK	LOT 26/CONC. 12, SEPTIC TANKS	GOULBURN TWP. ON	
CA	511376 ONTARIO INC.	HAZELDEAN RD. S.W. RET. FAC.	GOULBOURN TWP. ON	
CA	RELOCATABLE HOMES LTD.-PT.LOT 26/CONC.XI	SWEETNAM DR./IVA ST./SAVAGE DR	GOULBOURN TWP. ON	
CA	OTTAWA WEST DEVELOPMENT LTD.	PART N.E. 1/2 LOT 25/CON. XII	GOULBOURN TWP. ON	
CONV	ABBOTSFORD MOVING AND STORAGE		ON	
EBR	Tartan Land Consultants Inc.	Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN	ON	
ECA	The Bell Telephone Company of Canada or Bell Canada	Multiple Sites Across Ontario	Ottawa ON	H3B 2M8
ECA	The Bell Telephone Company of Canada or Bell Canada	Multiple Sites Across Ontario	Ottawa ON	H3B 2M8
GEN	NATIONAL CAPITAL COMMISSION	LOT 25,26,27	OTTAWA ON	K1P 1C7
GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG.	(SEE SCHEDULE "B") ON	K1P 6L9

GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION	(SEE SCHEDULE "B") ON	K1P 6L9
GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION	(SEE SCHEDULE "B") ON	K1P 6L9
GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG.	(SEE SCHEDULE "B") ON	K1P 6L9
GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION	(SEE SCHEDULE "B") ON	K1P 6L9
GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG.	(SEE SCHEDULE "B") ON	
GEN	Bell Canada	VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG.	(SEE SCHEDULE "B") ON	K1P 6L9
LIMO		Lot 25 Concession 11 Ottawa	ON	
ORD	Relocatable Homes Limited	Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN	ON	
SPL	Bell Canada		Ottawa ON	
SPL	TOP OIL RESOURCES	TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET	OTTAWA-CARLETON R. M. ON	
SPL		denied s. 21(1)	Ottawa ON	
WWIS		con 11	ON	
WWIS		lot 25	ON	
WWIS		lot 25	ON	

Unplottable Report

Site: ***R.M. OTTAWA-CARLETON***
IVA STREET GOULBOURN TWP. ON

Database: ***CA***

Certificate #:	7-0448-85-000
Application Year:	85
Issue Date:	12/19/86
Approval Type:	Municipal water
Status:	Application Cancelled
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***MR.E.COATES***
HARTIN ST. GOULBOURN ON

Database: ***CA***

Certificate #:	3-0619-85-006
Application Year:	85
Issue Date:	6/21/85
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***City of Ottawa***
Hartin Street between Hazeldean Road and Johnwoods St Ottawa ON

Database: ***CA***

Certificate #:	3767-87DRBM
Application Year:	2010
Issue Date:	8/6/2010
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***FRINGEWOOD CORPORATION PH. II***
SWEETNAM DR. GOULBOURN TWP. ON

Database: ***CA***

Certificate #:	7-0783-88-

Application Year: 88
Issue Date: 6/14/1988
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-PT. 2-5, LOT 31***
HAZELDEAN SEWAGE PUMP STATION KANATA CITY ON

Database: ***CA***

Certificate #: 3-0744-92-
Application Year: 92
Issue Date: 6/29/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PATTEN HOMES LIMITED***
LOT 26/C-XI, FOREST CREEK SUB. GOULBOURN ON

Database: ***CA***

Certificate #: 3-0893-98-
Application Year: 98
Issue Date: 8/18/1998
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***PHIL SWEETNAM MOBILE HOME PARK***
LOT 26/CONC. 12, SEPTIC TANKS GOULBURN TWP. ON

Database: ***CA***

Certificate #: 3-1529-94-
Application Year: 94
Issue Date: 12/23/1994
Approval Type: Municipal sewage
Status: Preliminary approval
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***511376 ONTARIO INC.***
HAZELDEAN RD. S.W. RET. FAC. GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 3-0858-93-
Application Year: 93
Issue Date: 9/15/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***RELOCATABLE HOMES LTD.-PT.LOT 26/CONC.XI***
SWEETNAM DR./IVA ST./SAVAGE DR GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 7-1342-91-
Application Year: 91
Issue Date: 10/29/1991
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***OTTAWA WEST DEVELOPMENT LTD.***
PART N.E. 1/2 LOT 25/CON. XII GOULBOURN TWP. ON

Database: ***CA***

Certificate #: 8-4023-90-
Application Year: 90
Issue Date: 4/25/1990
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: STANDBY DIESEL GENERATOR
Contaminants: Nitrogen Oxides
Emission Control:

Site: ***ABBOTSFORD MOVING AND STORAGE***
ON

Database: ***CONV***

File No:
Crown Brief No: 99-0114-0117
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Location:
Region: EASTERN REGION
Ministry District: BELLEVILLE

Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: OPERATE A HEAVY DIESEL-FUELLED MOTOR VEHICLE THAT CONTRAVENES THE EMISSION STANDARDS.
Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation: 361/98
Section: 12(5)
Act/Regulation/Section: EPA-361/98-12(5)
Date of Offence:
Date of Conviction:
Date Charged: 10/12/99
Charge Disposition: SUSPENDED SENTENCE
Fine: $300.00
Synopsis:

Site: ***Tartan Land Consultants Inc.***
Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN ON

Database: ***EBR***

EBR Registry No: 011-5086
Ministry Ref No: MNR INST 66/11
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 09, 2013
Proposal Date: December 21, 2011
Year: 2011
Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Tartan Land Consultants Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 237 Somerset Street West, Ottawa Ontario, Canada K2S 0J3
Comment Period:
URL:
Summary:

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

Site Location Details:

Lot 26 and 27, Concession 12, Goulbourn Township, Stittsville CITY OF OTTAWA GOULBOURN

Site: ***The Bell Telephone Company of Canada or Bell Canada***
Multiple Sites Across Ontario Ottawa ON H3B 2M8

Database: ***ECA***

Approval No: 6207-CZZPLF
Approval Date: July 31, 2024
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: The Bell Telephone Company of Canada or Bell Canada
Address: Multiple Sites Across Ontario
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4515-CV9N3P-14.pdf

MOE District: North Bay
City:
Longitude:
Latitude:
Geometry X: -9016878.7543000001
Geometry Y: 5700582.7322999965

PDF Site Location: Multiple Sites Across Ontario

Site: ***The Bell Telephone Company of Canada or Bell Canada***
Multiple Sites Across Ontario Ottawa ON H3B 2M8

Database: ***ECA***

Approval No: 1529-B8QPS5
Approval Date: 2019-12-11
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: The Bell Telephone Company of Canada or Bell Canada
Address: Multiple Sites Across Ontario
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9060-AW6T5N-14.pdf
PDF Site Location:

Site: ***NATIONAL CAPITAL COMMISSION***
LOT 25,26,27 OTTAWA ON K1P 1C7

Database: ***GEN***

Generator No: ON9920165
SIC Code: 712190
SIC Description: Other Heritage Institutions
Approval Years: 2010
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: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE SCHEDULE "B") ON K1P 6L9

Database: ***GEN***

Generator No: ONR000304
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Julie Labelle
Choice of Contact: CO_OFFICIAL
Phone No Admin: 514-870-0688 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Site: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION (SEE SCHEDULE "B") ON K1P 6L9

Database: ***GEN***

Generator No: ONR000306
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: Julie Labelle
Choice of Contact: CO_OFFICIAL
Phone No Admin: 514-870-0688 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

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

Site: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION (SEE SCHEDULE "B") ON K1P 6L9

Database: ***GEN***

Generator No: ONR000306
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Chloé Lamothe-Luneau
Choice of Contact: CO_ADMIN
Phone No Admin: 514-391-1021 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

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

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Site: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE SCHEDULE "B") ON K1P 6L9

Database: ***GEN***

Generator No: ONR000304
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510
Approval Years: 2016
PO Box No:
Country: Canada
Status:
Co Admin: Chloé Lamothe-Luneau
Choice of Contact: CO_ADMIN
Phone No Admin: 514-391-1021 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

Waste Class: 221
Waste Class Name: LIGHT FUELS

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

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

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

Site: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE NORTHERN REGION (SEE SCHEDULE "B") ON K1P 6L9

Database: ***GEN***

Generator No: ONR000306
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510
Approval Years: 2015
PO Box No:

Country: Canada
Status:
Co Admin: Julie Labelle
Choice of Contact: CO_ADMIN
Phone No Admin: 514-870-0688 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: 253
Waste Class Name: EMULSIFIED OILS

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

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

Site: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE SCHEDULE "B") ON

Database: ***GEN***

Generator No: ONR000304
SIC Code: 517110, 517210, 517510
SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE)
Approval Years: 2013
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

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

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

Waste Class: 221
Waste Class Name: LIGHT FUELS

Site: ***Bell Canada***
VARIOUS BELL CANADA MANHOLES AND ACCESS CHAMBERS WITHIN THE MOE EASTERN REG. (SEE SCHEDULE "B") ON K1P 6L9

Database: ***GEN***

Generator No: ONR000304
SIC Code: 517110, 517210, 517510

SIC Description: WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE), 517510
Approval Years: 2015
PO Box No:
Country: Canada
Status:
Co Admin: Julie Labelle
Choice of Contact: CO_ADMIN
Phone No Admin: 514-870-0688 Ext.
Contaminated Facility: No
MHSW Facility: No

Detail(s)

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

Waste Class: 253
Waste Class Name: EMULSIFIED OILS

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

Waste Class: 221
Waste Class Name: LIGHT FUELS

Waste Class: 241
Waste Class Name: HALOGENATED SOLVENTS

Waste Class: 150
Waste Class Name: INERT INORGANIC WASTES

Site:
Lot 25 Concession 11 Ottawa ON

Database: ***LIMO***

ECA/Instrument No: X9019
Operation Status: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type: Historic and Closed Landfills
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details: Lot 25 Concession 11 Ottawa
Service Area:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfll Gas:
Lndfll Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
Region:
District Office:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Page URL:

Site: ***Relocatable Homes Limited***
Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN ON

Database: ***ORD***

EBR Registry No:	IA00E1222	***Decision Posted:***	
Ministry Ref NO:	ER-5459	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	October 27, 2000	***Act 2:***	
Proposal Date:	July 26, 2000	***Site Location Map:***	
Year:	2000		
Site Address:			
Off Instrument Name:			
Posted By:			
Comment Period:			
URL:			
Company Name:	Relocatable Homes Limited		
Instrument Type:	(OWRA s. 53(3)) - Order for unapproved sewage works.		
Location Other:			
Summary:			

Site Location Details:

Lot 26, Concess12, Fringewood North Mobile Home Park GOULBOURN

Site: ***Bell Canada***
Ottawa ON

Database: ***SPL***

Ref No:	8881-9J2J33	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	2014/04/10	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	2014/04/10	***Impact to Health:***	
Dt Document Closed:	2014/11/04	***Agency Involved:***	
Site No:	NA		
MOE Response:	Referral to others		
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:	3212 Richmond Rd<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:	Bell Canada		
Client Type:			
Source Type:			
Incident Cause:	Leak/Break		
Incident Preceding Spill:			
Incident Reason:	Equipment Failure		
Incident Summary:	Bell Canada: possible >100 kg freon to atm.		
Environment Impact:	Confirmed		
Health Env Consequence:			
Nature of Impact:	Air Pollution		
Contaminant Qty:	0 other - see incident description		
Contaminant Qty 1:	0		
Contaminant Unit:	other - see incident description		

Contaminant Code: 38
Contaminant Name: FREON R-22 (CFC)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium:
Activity Preceding Spill:
Property 2nd Watershed:
Property Tertiary Watershed:
Sector Type: Pipeline/Components
SAC Action Class: Air Spills - Gases and Vapours
Call Report Locatn Geodata:
Time Reported:
System Facility Address:

Site: ***TOP OIL RESOURCES***
TOP OIL RESOURCES HAZELDEAN ROAD, GOULBORN TWP. DIESEL FUEL OUTLET OTTAWA-CARLETON R.M. ON

Database: ***SPL***

Ref No: 25861
Year:
Incident Dt: 9/25/1989
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/28/1989
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:
Entity Operating Name:
Client Name:
Client Type:
Source Type:
Incident Cause: UNDERGROUND TANK LEAK
Incident Preceding Spill:
Incident Reason: UNKNOWN
Incident Summary: TOP OIL RESOURCES- 7000 LTR DIESEL FUEL LEAK FROMUNDERGROUND TANK
Environment Impact:
Health Env Consequence:
Nature of Impact:
Contaminant Qty:
Contaminant Qty 1:
Contaminant Unit:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Receiving Medium: LAND
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:
Impact to Health:
Agency Involved: MCCR

Time Reported:
System Facility Address:

Site: ***Database:*** ***SPL***
denied s. 21(1) Ottawa ON

Ref No:	3017-6BEK8K	***Municipality No:***	
Year:		***Nature of Damage:***	
Incident Dt:	4/13/2005	***Discharger Report:***	0
Dt MOE Arvl on Scn:		***Material Group:***	Oil
MOE Reported Dt:	4/13/2005	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:	Ottawa		
Nearest Watercourse:			
Site Name:	denied s. 21(1)		
Site Address:			
Site Region:			
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	Tank (Above Ground) Leak		
Incident Preceding Spill:			
Incident Reason:	Equipment Failure		
Incident Summary:	TSSA: furnace oil to soil		
Environment Impact:	Not Anticipated		
Health Env Consequence:			
Nature of Impact:	Soil Contamination		
Contaminant Qty:			
Contaminant Qty 1:			
Contaminant Unit:			
Contaminant Code:			
Contaminant Name:	FURNACE OIL		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	Land		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Other		
SAC Action Class:	M.C.B.S. - Fuel Safety; Spill to Land		
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			

Site: ***Database:*** ***WWIS***
con 11 ON

Well ID:	1521315	***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:***	05/20/1987
Water Type:		***Selected Flag:***	TRUE

Casing Material:
Audit No: 04582
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 11
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043137
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/16/1987
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931047547
Layer: 1
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2: 26
Material 2 Desc: ROCK
Material 3: 77
Material 3 Desc: LOOSE
Formation Top Depth: 0.0
Formation End Depth: 5.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047548
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3:
Material 3 Desc:
Formation Top Depth: 5.0
Formation End Depth: 174.0

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521315
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591707
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075317
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 174.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075316
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
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: 991521315
Pump Set At:
Static Level: 29.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 150.0
Pumping Rate: 5.0
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: 934105994

Test Type: Draw Down
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651240
Test Type: Draw Down
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909448
Test Type: Draw Down
Test Duration: 60
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390093
Test Type: Draw Down
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933478822
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 169.0
Water Found Depth UOM: ft

Site:
lot 25 ON

Database:
WWIS

Well ID: 1523747
Construction Date:
Use 1st: Industrial
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 49862
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/04/1989
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 025
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045521
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/12/1989
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock Materials Interval

Formation ID: 931055592
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 32.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931055593
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 82
Material 2 Desc: SHALY
Material 3:
Material 3 Desc:
Formation Top Depth: 32.0
Formation End Depth: 250.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961523747
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10594091
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079668
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 250.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930079667
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

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991523747
Pump Set At:
Static Level: 19.0
Final Level After Pumping: 100.0
Recommended Pump Depth: 100.0
Pumping Rate: 14.0
Flowing Rate:
Recommended Pump Rate: 14.0
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: 934651310
Test Type:
Test Duration: 45
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934106105
Test Type:
Test Duration: 15
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390332

Test Type:
Test Duration: 30
Test Level: 100.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908516
Test Type:
Test Duration: 60
Test Level: 100.0
Test Level UOM: ft

Water Details

Water ID: 933482123
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 225.0
Water Found Depth UOM: ft

Water Details

Water ID: 933482122
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

Site:
lot 25 ON

Database:
WWIS

Well ID: 1525674
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 92040
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN 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: 025
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047409
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/29/1991

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

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

Overburden and Bedrock Materials Interval

Formation ID: 931061987
Layer: 1
Color: 2
General Color: GREY
Material 1: 17
Material 1 Desc: SHALE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061988
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 223.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525674
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595979
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082985
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082986
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 223.0
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: 991525674
Pump Set At:
Static Level: 45.0
Final Level After Pumping: 210.0
Recommended Pump Depth: 210.0
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: 934105049
Test Type:
Test Duration: 15
Test Level: 210.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934388708
Test Type:
Test Duration: 30
Test Level: 210.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934649246
Test Type:
Test Duration: 45
Test Level: 210.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934906426

Test Type:
Test Duration: 60
Test Level: 210.0
Test Level UOM: ft

Water Details

Water ID: 933484727
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 218.0
Water Found Depth UOM: ft

Water Details

Water ID: 933484726
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 120.0
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-Apr 2024

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Apr 30, 2024

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2022

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Apr 30, 2024

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -May 2024

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Oct 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 - Oct 31, 2024

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2024

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Sep 30, 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 - Oct 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-Sep 30, 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-Aug 31, 2024

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land 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, 2023

List of Expired Fuels Safety Facilities: Provincial EXP

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

Government Publication Date: Oct 2023

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2024

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

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

Government Publication Date: Oct 31, 2021

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Oct 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2022

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing 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: 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: Feb 2024

National Pollutant Release Inventory - Historic: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-May 31, 2024

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

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 - Oct 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-Sep 30, 2024

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Government Publication Date: 1988-Mar 2024; May 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

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

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Oct 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-Oct 2024

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Apr 30, 2024

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jun 2024; Aug 2024

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation, Mining, Petroleum Refining, Organic Chemicals, Inorganic Chemicals, Pulp & Paper, Metal Casting, Iron & Steel, and Quarries.

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Apr 2024

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 - Sep 30, 2024

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

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

opta
INFORMATION INTELLIGENCE

enviroscan

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 1 877 244 9437
W: optaintel.ca

Midori

Site Address:

5872, 5880 & 5884 Hazeldean Rd. & 7 Savage Dr., Ottawa, ON

Requested By:

Eleanor Goolab
ERIS

Project No:

24111800922

Date Completed:

12/6/2024 3:52:11 PM

Opta Order ID:

153030

Project Name: 104054.001

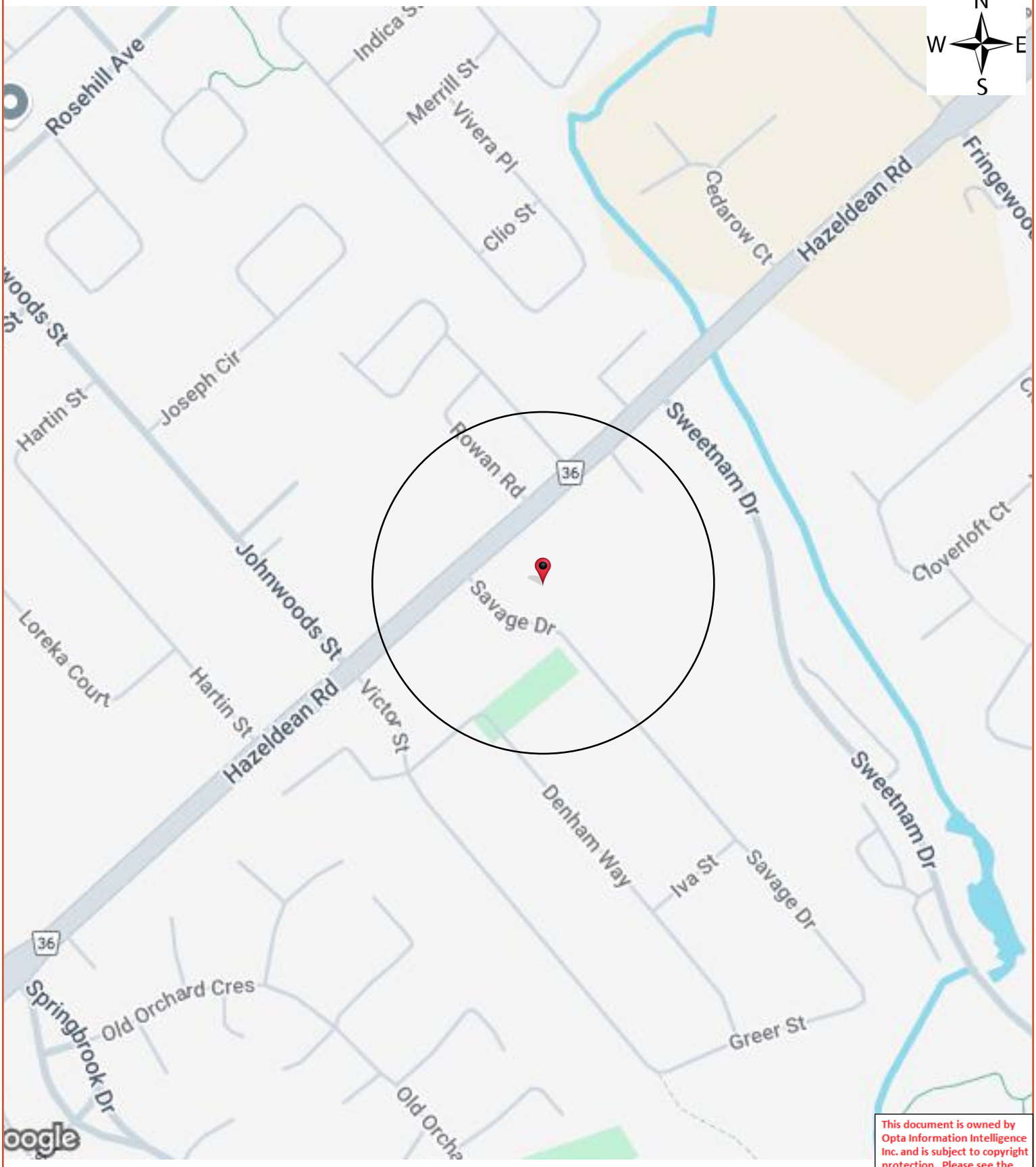
Project #: 24111800922

ENVIROSCAN Report

Search Area: 5872, 5880 & 5884 Hazeldean Rd. & 7 Savage Dr., Ottawa, ON

Requested by:
Eleanor Goolab
Date Completed: 12/06/2024 15:52:11

enviroscan
OPTA INFORMATION INTELLIGENCE



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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.

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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: 12/06/2024 15:52:11

OPTA INFORMATION INTELLIGENCE

No Records Found

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APPENDIX E

ERIS Report

CITY DIRECTORY

Project Property:	*104054.001* *5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive* *Ottawa,ON K2S 1B9*
Project No:	
Requested By:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Order No:	*24111800922*
Date Completed:	*December 09, 2024*

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

December 09, 2024
RE: CITY DIRECTORY RESEARCH
5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive
Ottawa,ON K2S 1B9

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:

5835-5925 of Hazeldean Road

1-20 of Savage Drive

1-15 of Sweetnam Dr

Search Notes:

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006-07	VERNONS	
2000	POLKS	
1997	POLKS	
1994	MIGHTS	
1991	MIGHTS	
1987	MIGHTS	
1981-82	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1966	MIGHTS	
1960	MIGHTS	

2023 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5835	**AUTO MALL LOANS**...*LOANS*
5835	**AVIS**...*AUTOMOBILE RENTING & LEASING*
5835	**BUDGET CAR RENTAL**...*AUTOMOBILE RENTING & LEASING*
5862	**ALAIN DION**...*RESIDENTIAL*
5862	**KANATA COLLISION**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
5862	**KANATA COLLISION**...*AUTOMOBILE GLASS-SERVICE & INSTALLATION*
5862	**KANATA GRANITE**...*GRANITE (WHOLESALE)*
5862	**PENSKE TRUCK RENTAL**...*TRUCK RENTING & LEASING*
5872	**WESTEND AUTOMOTIVE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
5872	**WESTEND AUTOMOTIVE**...*MOTOR VEHICLE DEALERS-USED ONLY*
5877	**M WEBB**...*RESIDENTIAL*
5877	**R DUFFIELD**...*RESIDENTIAL*
5879	**R EREUSON**...*RESIDENTIAL*
5883	**OTTAWA-HULL CAMBODIAN BUDDHIST**...*RELIGIOUS ORGANIZATIONS*
5891	**IMAGINATION STATION PRESCHOOL**...*CHILD CARE SERVICE*
5899	**MR GAS**...*SERVICE STATIONS-GASOLINE & OIL*
5899	**MR GAS**...*CONVENIENCE STORES*
5899	**WAYPOINT CONVENIENCE**...*CONVENIENCE STORES*
5900	**CORKS WINERY**...*WINE MAKERS' EQUIPMENT & SUPPLIES*
5903	**DR DO DENTAL**...*DENTISTS*
5906	**STITTSVILLE WINDOW DOORS**...*DOORS-METAL-MANUFACTURERS*
5906	**STITTSVILLE WINDOW DOORS**...*SCREENS-DOOR & WINDOW*
5912	**ANDREA BARTELS REGISTERED**...*DIETITIANS*
5912	**KANATA COUNSELLING SVC**...*MARRIAGE & FAMILY COUNSELORS*
5912	**KANATA COUNSELLING SVC**...*PSYCHOTHERAPISTS*
5912	**MAC CHARLES CHARLYNNE**...*MARRIAGE & FAMILY COUNSELORS*
5912	**MOORE MASSAGE THERAPY**...*MASSAGE THERAPISTS*
5912	**MOORE MASSAGE THERAPY**...*CHIROPRACTORS DC*
5915	**CARNIVALE LUNE BLUE SOLUTIONS**...*TAX CONSULTANTS*
5915	**TAN JESSICA L DDS**...*DENTISTS*
5915	**TAN ORTHODONTICS**...*DENTISTS*
5923	**JAMEEL LALJI DESJARDINS INS**...*INSURANCE*
5923	**JAMEEL LALJI DESJARDINS INS**...*INSURANCE CONSULTANTS & ADVISORS*
5923	**LALJI JAMEEL AGT**...*INSURANCE CONSULTANTS & ADVISORS*
5923	**LALJI JAMEEL AGT**...*INSURANCE-HOMEOWNERS*

2023 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2	**B MARTYNIUK**...*RESIDENTIAL*
2	**CHIRO ACTIVE**...*CHIROPRACTORS DC*
2	**M SAJIW**...*RESIDENTIAL*
7	**M CORCORAN**...*RESIDENTIAL*
8	**L ROSENE**...*RESIDENTIAL*
9	**C GOYETTE**...*RESIDENTIAL*
10	**S STAFFORD**...*RESIDENTIAL*
15	**DENIS BRUYERE**...*RESIDENTIAL*
16	**R MERSEREAU**...*RESIDENTIAL*
17	**LISA GALE**...*RESIDENTIAL*
18	**N REPIC**...*RESIDENTIAL*
19	**J CARDO**...*RESIDENTIAL*
20	**M MILLER**...*RESIDENTIAL*

2023 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

1 **CROMACK METAL**...*RAILINGS*
1 **CROMACK METAL**...*STEEL-STRUCTURAL (MANUFACTURERS)*
3 **VISION IRON WORKS**...*NONCLASSIFIED ESTABLISHMENTS*
7 **CANADIAN EXPRESS REPAIR**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
7 **CENTRUM GLASS DOOR**...*GLAZIERS*
7 **CENTRUM GLASS DOOR**...*GLASS-AUTO PLATE & WINDOW & ETC*
7 **DENNIS'S AUTO CTR**...*AUTOMOBILE REPAIRING & SERVICE*
8 **CDS RENTAI SVC LTD**...*STORAGE-HOUSEHOLD & COMMERCIAL*
8 **GENCHER REALTY APPRAISALS**...*APPRAISERS*
8 **GENCHER REALTY APPRAISALS**...*AUTOMOBILE APPRAISERS*
8 **GENCHER REALTY APPRAISALS**...*REAL ESTATE DEVELOPERS*
8 **J SWEETNAM**...*RESIDENTIAL*
8 **OTTAWA CRANIOSACRAL**...*ALTERNATIVE MEDICINE*
8 **PAC BOOKKEEPING ACCOUNTING**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*
8 **PBC SWEETNAM HOLDINGS INC**...*HOLDING COMPANIES (NON-BANK)*
8 **THINK AGENCY**...*NONCLASSIFIED ESTABLISHMENTS*
8 **UPRIGHT CLAIMS SVC LTD**...*INSURANCE ADJUSTERS*
11 **AUTOVATION INC**...*TRANSMISSIONS-AUTOMOBILE*
11 **AUTOVATION INC**...*AUTOMOBILE REPAIRING & SERVICE*
11 **C ERITOU**...*RESIDENTIAL*
11 **CONEY SMAL ENGINE REPAIR**...*LAWN MOWERS*
11 **CONEY SMAL ENGINE REPAIR**...*ENGINES-REBUILDING & EXCHANGING*
11 **ERCON WELDING INC**...*WELDING*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE REPAIRING & SERVICE*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE UNDERCOATING & RUSTPROOFING*
15 **BRUCE'S AUTO EQPT REPAIRS**...*AUTOMOBILE REPAIRING & SERVICE*
15 **CROMACK METAL**...*RAILINGS*
15 **CROMACK METAL**...*CONCRETE EQUIPMENT & SUPPLIES (WHLS)*
15 **CROMACK METAL**...*GRATINGS (MFRS)*
15 **CROMACK METAL**...*STEEL-DISTRIBUTORS & WAREHOUSES (WHLS)*
15 **PEARL AUTO CARE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
15 **PEARL AUTO CARE**...*AUTOMOBILE DETAIL & CLEAN-UP SERVICE*

2021 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5835 **AVIS RENT A CAR**...*AUTOMOBILE RENTING*
5835 **BUDGET RENT A CAR**...*AUTOMOBILE RENTING*
5862 **KANATA COLLISION**...*AUTOMOBILE REPAIRING & SERVICE*
5862 **KANATA COLLISION**...*GLASS-AUTO PLATE & WINDOW & ETC*
5862 **KANATA GRANITE**...*GRANITE (WHLS)*
5872 **WESTEND AUTOMOTIVE**...*AUTOMOBILE DEALERS-USED CARS*
5872 **WESTEND AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
5877 **M WEBB**...*RESIDENTIAL*
5877 **R DUFFIELD**...*RESIDENTIAL*
5879 **R EREUSON**...*RESIDENTIAL*
5883 **OTTAWA-HULL CAMBODIAN BUDDHIST**...*RELIGIOUS ORGANIZATIONS*
5891 **IMAGINATION STATION PRESCHOOL**...*CHILD CARE SERVICE*
5899 **MR GAS**...*CONVENIENCE STORES*
5899 **MR GAS**...*ALTERNATIVE FUELS*
5900 **CORKS WINERY**...*WINE MAKERS' EQUIPMENT & SUPPLIES*
5903 **DR DO DENTAL**...*DENTISTS*
5906 **STITTSVILLE WINDOW DOORS**...*GLASS-AUTO PLATE & WINDOW & ETC*
5906 **STITTSVILLE WINDOW DOORS**...*SCREENS-REPAIRING*
5912 **KANATA COUNSELLING SVC**...*COUNSELING SERVICES*
5912 **KANATA COUNSELLING SVC**...*ALCOHOLISM INFORMATION & TREATMENT CTRS*
5912 **KANATA COUNSELLING SVC**...*MARRIAGE & FAMILY COUNSELORS*
5912 **MAC CHARLES CHARLYNNE**...*MARRIAGE & FAMILY COUNSELORS*
5912 **MOORE MASSAGE THERAPY**...*MASSAGE THERAPISTS*
5912 **MOORE MASSAGE THERAPY**...*ALTERNATIVE MEDICINE*
5915 **CARNIVALE LUNE BLUE SOLUTIONS**...*TAX CONSULTANTS*
5915 **TAN JESSICA L DDS**...*DENTISTS*
5915 **TAN ORTHODONTICS**...*DENTISTS*
5923 **JAMEEL LALJI DESJARDINS INS**...*INSURANCE*
5923 **JAMEEL LALJI DESJARDINS INS**...*FEDERAL GOVERNMENT CONTRACTORS*
5923 **LALJI JAMEEL AGT**...*INSURANCE-HOMEOWNERS*
5923 **LALJI JAMEEL AGT**...*FEDERAL GOVERNMENT CONTRACTORS*

2021 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2	**B MARTYNIUK**...*RESIDENTIAL*
2	**CHIRO ACTIVE**...*MASSAGE THERAPISTS*
2	**M SAJIW**...*RESIDENTIAL*
7	**M T CORCORAN**...*RESIDENTIAL*
8	**L ROSENE**...*RESIDENTIAL*
9	**C GOYETTE**...*RESIDENTIAL*
10	**S C STAFFORD**...*RESIDENTIAL*
11	**D J AMO**...*RESIDENTIAL*
15	**DENIS BRUYERE**...*RESIDENTIAL*
16	**R MERSEREAU**...*RESIDENTIAL*
17	**LISA GALE**...*RESIDENTIAL*
18	**N REPIC**...*RESIDENTIAL*
19	**J CARDO**...*RESIDENTIAL*
20	**M MILLER**...*RESIDENTIAL*

2021 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

1	**STITCH IT TO FIT IT**...*TAILORS*
1	**STITCH IT TO FIT IT**...*SCREEN PRINTING (MFRS)*
3	**VISION IRON WORKS**...*NONCLASSIFIED ESTABLISHMENTS*
7	**CANADIAN EXPRESS REPAIR**...*AUTOMOBILE REPAIRING & SERVICE*
7	**CENTRUM GLASS DOOR**...*GLASS-AUTO PLATE & WINDOW & ETC*
7	**CENTRUM GLASS DOOR**...*WINDOWS*
7	**DENNIS'S AUTO CTR**...*AUTOMOBILE REPAIRING & SERVICE*
7	**OTTAWA COVE CROWN MOULDING**...*HOME IMPROVEMENTS*
7	**OTTAWA COVE CROWN MOULDING**...*REMODELING & REPAIRING BLDG CONTRACTORS*
8	**CDS RENTAL SVC LTD**...*STORAGE*
8	**CDS RENTAL SVC LTD**...*MATERIAL HANDLING EQUIPMENT (WHLS)*
8	**GENCHER REALTY APPRAISALS**...*AUTOMOBILE APPRAISERS*
8	**GENCHER REALTY APPRAISALS**...*REAL ESTATE DEVELOPERS*
8	**GENCHER REALTY APPRAISALS**...*APPRAISERS*
8	**J SWEETNAM**...*RESIDENTIAL*
8	**PAC BOOKKEEPING ACCOUNTING**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*
8	**PBC SWEETNAM HOLDINGS INC**...*ASSOCIATIONS*
8	**THINK AGENCY**...*NONCLASSIFIED ESTABLISHMENTS*
8	**UPRIGHT CLAIMS SVC LTD**...*INSURANCE ADJUSTERS*
11	**AUTOVATION INC**...*TRANSMISSIONS-AUTOMOBILE*
11	**AUTOVATION INC**...*AUTOMOBILE REPAIRING & SERVICE*
11	**C ERITOU**...*RESIDENTIAL*
11	**CONEY SMALL ENGINE REPAIR**...*LAWN & GROUNDS MAINTENANCE*
11	**CONEY SMALL ENGINE REPAIR**...*AUTOMOBILE REPAIRING & SERVICE*
11	**ERCON WELDING INC**...*WELDING*
11	**JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE UNDERCOATING & RUSTPROOFING*
11	**JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE REPAIRING & SERVICE*
11	**U-HAUL NEIGHBORHOOD DEALER**...*TRUCK-DEALERS-USED*
11	**U-HAUL NEIGHBORHOOD DEALER**...*BOXES-CORRUGATED & FIBER (WHLS)*
15	**BRUCE'S AUTO EQPT REPAIRS**...*AUTOMOBILE REPAIRING & SERVICE*
15	**CROMACK METAL**...*CONCRETE EQUIPMENT & SUPPLIES (WHLS)*
15	**CROMACK METAL**...*STEEL-DISTRIBUTORS & WAREHOUSES (WHLS)*
15	**CROMACK METAL**...*RAILINGS*
15	**CROMACK METAL**...*GRATINGS (MFRS)*
15	**DEPENDABLE BODYWORKS**...*AUTOMOBILE REPAIRING & SERVICE*
15	**PEARL AUTO CARE**...*BOAT REPAIRING*
15	**PEARL AUTO CARE**...*AUTOMOBILE REPAIRING & SERVICE*

2017 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5862 **CANATA COLLISION**...*AUTOMOTIVE GLASS REPLACEMENT SHOPS*
5862 **K C AUTO GLASS**...*OTHER BUILDING MATERIAL DEALERS*
5862 **KANATA COLLISION**...*OTHER BUILDING MATERIAL DEALERS*
5872 **WESTEND AUTOMOTIVE**...*USED CAR DEALERS*
5872 **WESTEND AUTOMOTIVE**...*AUTOMOTIVE PARTS & ACCESSORIES STORES*
5883 **OTTAWA-HULL CAMBODIAN BUDDHIST**...*RELIGIOUS ORGANIZATION*
5883 **TOLE ATTIC**...*HOBBY, TOY, & GAME STORES*
5891 **IMAGINATION STATION PRESCHOOL**...*CHILD DAY CARE SVCS*
5899 **MR GAS**...*CONVENIENCE STORES*
5899 **MR GAS**...*OTHER GASOLINE STATIONS*
5900 **CORKS WINERY**...*STORE RETAILERS NOT SPECIFIED ELSEWHERE*
5903 **DR DO DENTAL**...*OFFICES OF DENTISTS*
5903 **THI-NHU MAI DDS**...*OFFICES OF DENTISTS*
5906 **STITTSVILLE WINDOWS DOORS**...*OTHER BUILDING MATERIAL DEALERS*
5906 **STITTSVILLE WINDOWS DOORS**...*METAL WINDOW & DOOR MFG*
5912 **KANATA COUNSELLING SVC**...*OTHER INDIVIDUAL & FAMILY SVCS*
5912 **KANATA COUNSELLING SVC**...*OFFICES OF MENTAL HEALTH PRACTITIONERS*
5912 **MAC CHARLES CHARLYNNE**...*OTHER INDIVIDUAL & FAMILY SVCS*
5912 **MOORE CHIROPRACTIC HEALTH CTR**...*OFFICES OF CHIROPRACTORS*
5912 **MOORE CHIROPRACTIC HEALTH CTR**...*MISC AMBULATORY HEALTH CARE SVCS*
5915 **CARNIVALE LUNE BLEUE SOLUTIONS**...*OTHER ACCOUNTING SVCS*
5915 **TAN TAN**...*OFFICES OF DENTISTS*

2017 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2 **CHIRO ACTIVE**...*CHIROPRACTORS DC*
2 **YOU NEED A WRAP**...*BEAUTY SALONS*

2017 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

3 **PBC SWEETNAM HOLDINGS**...*FULLSERVICE RESTAURANTS*
7 **CANADIAN EXPRESS REPAIR**...*AUTOMOTIVE BODY & INTERIOR REPAIR*
7 **CENTRAL PLUMBING**...*PLUMBING & HVAC CONTRS*
7 **CENTRUM GLASS DOOR**...*OTHER BUILDING MATERIAL DEALERS*
7 **CRYPTAUTO CARE**...*GENERAL AUTOMOTIVE REPAIR*
7 **DENNIS'S AUTO CTR**...*GENERAL AUTOMOTIVE REPAIR*
7 **OTTAWA COVE CROWN MOULDING**...*LUMBER & WOOD MERCHANT WHOLS*
8 **CDS RENTAL SVC**...*OTHER SPECIALIZED TRUCKING, LONGDISTANCE*
8 **CDS STORE-ALL LTD**...*MINIWAREHOUSE & SELF-STORAGE UNIT OPERATORS*
8 **GENCHER REALTY APPRAISALS**...*OFFICES OF REAL ESTATE APPRAISERS*
8 **O C REHABILITATION HEALTH CR**...*VOCATIONAL REHABILITIATION SVCS*
8 **PAC BOOKKEEPING ACCOUNTING**...*OTHER ACCOUNTING SVCS*
8 **PBC SWEETNAM HOLDINGS INC**...*OTHER SPECIALIZED TRUCKING, LONGDISTANCE*
8 **POTENCIA TECHNOLOGIES INC**...*INFORMATION SYSTEM CONSULTANTS*
8 **PROBEX INVESTIGATIONS INC**...*INVESTIGATION SVCS*
8 **PROPERTY TAX REVIEW SVC**...*OTHER ACCOUNTING SVCS*
11 **AUTOVATION INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **AUTOVATION INC**...*AUTOMOTIVE TRANSMISSION REPAIR*
11 **CONEY SMALL ENGINE REPAIR**...*OUTDOOR POWER EQUIP STORES*
11 **CONEY SMALL ENGINE REPAIR**...*GENERAL AUTOMOTIVE REPAIR*
11 **ERCON WELDING INC**...*WELDING*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **RUST BLOCK**...*GENERAL AUTOMOTIVE REPAIR*
11 **U-HAUL NEIGHBORHOOD DEALER**...*ALL OTHER CONSUMER GOODS RENTAL*
11 **U-HAUL NEIGHBORHOOD DEALER**...*TRUCK, TRAILER, & RV RENTAL & LEASING*
15 **BRUCE'S AUTO EQUIPMENT RPRS**...*GENERAL AUTOMOTIVE REPAIR*
15 **CROMACK METAL**...*FABRICATED STRUCTURAL METAL MFG*
15 **CROMACK METAL**...*OTHER HOUSEHOLD GOODS REPAIR & MAINTENANCE*
15 **DEPENDABLE BODYWORKS**...*AUTOMOTIVE BODY & INTERIOR REPAIR*
15 **PEARL AUTO CARE**...*CAR WASHES*
15 **PEARL AUTO CARE**...*AUTOMOTIVE PARTS & ACCESSORIES STORES*

2012 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5862 **K C AUTO GLASS**...*OTHER BUILDING MATERIAL DEALERS*
5862 **LINDRON EQUIPMENT INC**...*NEW MOTOR VEHICLE PARTS MERCHANT WHOLS*
5872 **WESTEND AUTOMOTIVE**...*USED CAR DEALERS*
5883 **OTTAWA-HULL CAMBODIAN BUDDIST**...*RELIGIOUS ORGANIZATION*
5883 **TOLE ATTIC**...*HOBBY, TOY, & GAME STORES*
5891 **CAO, CHARLES DDS**...*OFFICES OF DENTISTS*
5899 **MR GAS**...*OTHER GASOLINE STATIONS*
5900 **CORKS WINERY**...*STORE RETAILERS NOT SPECIFIED ELSEWHERE*
5903 **ACCREDITED APPRAISAL SVC**...*OFFICES OF REAL ESTATE APPRAISERS*
5912 **KANATA COUNSELLING SVC**...*OTHER INDIVIDUAL & FAMILY SVCS*
5912 **MOORE CHIROPRACTIC HEALTH CTR**...*OFFICES OF CHIROPRACTORS*
5915 **TAN & TAN**...*OFFICES OF DENTISTS*
5915 **VAN DE GRAAFF INTL ASSIGNMENT**...*OTHER ACCOUNTING SVCS*

2012 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2 **YOU NEED A WRAP**...*BEAUTY SALONS*

2012 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

7 **CENTRUM GLASS & DOOR**...*OTHER BUILDING MATERIAL DEALERS*
7 **DENNIS'S AUTO CTR**...*GENERAL AUTOMOTIVE REPAIR*
7 **MINIMAN**...*USED CAR DEALERS*
7 **STITTSVILLE DOOR & MOULDING**...*RESIDENTIAL REMODELERS*
8 **CDS BUILDING MOVERS**...*OTHER SPECIALIZED TRUCKING, LONG-DISTANCE*
8 **CDS STORE-ALL LTD**...*MINIWAREHOUSE & SELF-STORAGE UNIT OPERATORS*
8 **GENCHER REALTY APPRAISALS**...*OFFICES OF REAL ESTATE APPRAISERS*
8 **JAY D ALLEN & ASSOC**...*ALL OTHER INFORMATION SVCS*
8 **PROBEX INVESTIGATIONS INC**...*INVESTIGATION SVCS*
8 **PROJECT MANAGEMENT PRODCTVTY**...*OFFICE ADMINISTRATIVE SVCS*
11 **AUTOVATION INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **CENTRAL PLUMBING**...*PLUMBING & HVAC CONTRS*
11 **CONEY SMALL ENGINE REPAIR**...*GENERAL AUTOMOTIVE REPAIR*
11 **DAVIES LOT MAINTENANCE**...*ALL OTHER SPECIALTY TRADE CONTRS*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **U-HAUL CO LTD**...*TRUCK, TRAILER, & RV RENTAL & LEASING*
15 **BRUCE'S AUTO & EQUIPMENT RPRS**...*GENERAL AUTOMOTIVE REPAIR*
15 **CROMACK METAL**...*FABRICATED STRUCTURAL METAL MFG*
15 **DEPENDABLE BODYWORKS**...*AUTOMOTIVE BODY & INTERIOR REPAIR*
15 **EXTREME SPECIALTIES**...*GENERAL AUTOMOTIVE REPAIR*
15 **TIM BENGER PAINTING & DECOR**...*PAINT & WALL COVERING CONTRS*

2006-07 HAZELDEAN ROAD

SOURCE: VERNONS

(2) -- Provence La ▲836-8838
X 9 Maroosis G Dr ▲836-2433
501 Units
(1) -- Carvery The ▲831-2591
X -- Davis Grocery ▲831-7064
(8) -- Brig Pub The ▲831-9111
(1) -- Soprano's Pizza ▲831-9191
■ -- Wavelength ▲836-7171
X -- Three Bags Full ▲836-7621
Consignment Shop
(4) -- Greek Palace ▲836-8855
■ -- Women's World ▲836-9918
3)510 Restaurants ▲831-1143
McDonald's
2)510 Mattress Mart ▲831-9701
2)510 PJ- M2R Restaurant ▲836-3931
Inc
5)560 Kevin Haime Golf ▲591-0006
Centre
2)560 Peter Haime Best In ▲592-4222
Golf
5)590 Pilon Gilles 831-6547
X590 Craig Eldon 836-2654
X5654 Guardsman ▲831-6300
Insurance Services
Inc
2)5912 Moore Chiropractic ▲831-8374
Health Centre
2)5912 Moore Jim Dr ▲831-8374
HAZELDEAN RD (STITTSVILLE)
5)5654 D'Aoust R 836-1629
3)5654 Watson K 836-4355
X5734 Sweetnam D 831-7162
X5734 Sweetnam D M 836-3179
X5734 Holmes D&A 836-3525
5816 Units
■ -- Cabotto John ▲592-3097
Tavern & Rest
2) -- Cabotto Tavern & ▲592-3097
Restaurant
1) -- Cabotto's ▲592-3097
Restaurant
2) -- Cabotto's ▲836-1665
Restaurant
X5830 Alfonsetti's ▲831-3008
Ristorante Italiano
2)5862 Kanata Collision ▲831-3397
■5872 Westend Automotive ▲836-6786
X5877 Johnston Glen H 831-0103
2)5879 Taggart R 831-6863
7)5879 Escape Esthetics ▲836-3671
■5883 Ottawa-Hull 836-0938
Cambodian Buddhist
Assoc
X5884 Townson Robt 836-4242
6)5891 Cao C 831-0882
5)5891 Cao Charles Dr ▲831-2365
3)5899 Mr Gas 004 ▲836-2769
■5900 Corks Winery ▲831-6603
1)5903 Kirk David 836-0696
2)5915 Tan Jessica L Dr ▲831-6511
2)5915 Tan Sharleen F Dr ▲831-6511
1)5915 Van De Graaff- ▲836-9281
International
Assignment Solutions
X5923 Loates T R 836-3775
■5927 Benson A 831-7426
5931 Units
3) -- Martinuk Kim ▲831-1799
3) -- State Farm ▲831-1799
Insurance Companies
■ -- Kandestix ▲831-9235
4) -- Kanata Bead & ▲831-9561
Craft Company
X5933 Cantusci Frank ▲836-3541
Upholstery
X5933 Frank Cantusci ▲836-3541
Upholstery
3)5938 Saab Gas Centre ▲836-3156
5977 Units
2) -- Electec Limited ▲836-0300
1) -- Ultralx Wire And ▲836-1722
Cables Inc
2) -- Hytec Products Inc ▲836-3100
2) -- NCI Network ▲836-7401
Cabling Installations
Ltd
7) -- Trilum ▲836-8060
Converting
Corporation
3)5986 Therien Jiu-Jitsu ▲831-3622
& Kickboxing
■5986 Therien Jiu-Jitsu & ▲831-3622
Kickboxing
1)5992 McGlade Financial ▲831-8884
Service
1)5992 Quigley Kelly ▲836-5626
Chartered Accountants
2)6001 Rona Cashway ▲831-7775
Building Centres
X6043 Bradley Arnold 836-2215
X6174 Stittsville Market ▲836-5616
5)6176 Antuse Studios ▲836-8809
6178 Units
■ -- Kavanagh Family ▲831-1927
Investments
■ -- Auction Canada ▲836-5612
■ -- Stittsville Flea ▲836-5612
Market
■ -- Stittsville Market ▲836-5612
■ -- Stittsville ▲836-5616
Farmers Market
3)6231 Salon Craft ▲836-1107
Services Ltd
X6310 Foran R V's Ltd ▲831-8313
7)6463 Drawn S 836-4334
X6640 Excelsior Truck & ▲836-7333
Trailer Leasing
X6640 Triple K Transport ▲836-7333
Ltd
X6775 Permacon Ottawa ▲836-6238
■6801 Bouchard C 836-9492
X6815 Tighe Peter 836-1165
X6950 Stu Phal 831-1962
7)6960 Van Lunen T 836-3144
HAZELGROVE CH (CHELSEA)
7)8 Hopkins N J Dr 827-2243
7)12 Murray Patrick J 827-1944
HAZELWOOD WAY
■1 Maria Raymond 692-0346
3)3 Etue Greg 692-0006
HEADINGLY CRES (NEPEAN)
X3 Heffernan F W 224-9566
8)4 Garland G 225-8224
■5 Roska E 224-5875
X6 Best A J 225-1721
X9 Millimore D D 723-1576
5)10 Curran Scott&Mary 727-6131
X11 Beckstead Gordon R 226-7400
X13 McKee John D 226-6994
X15 Barclay Paul 723-8566
15 Apartments
X Bsmt Barclay Ian 723-0370
X16 Lynch V S 226-6691
X17 Peever Douglas R 226-7057
3)18 Fowler R R 225-6070
X19 Clermont Maurice 226-7122
X20 Roger John T 226-6542
3)22 Seeler N 224-4393
1)25 Roy V 225-0585
X27 Ventura L A 226-8354
X31 McGelrick R E 226-8430
33 Chislett P&J 225-8458
HEALY AVE E (STITTSVILLE)
2)3 Downie Ian 836-9123
8)5 Poirier Moe&Leigh A 831-2011
1)6 Chapman M&S 836-0845
8)9 Game Felix 831-2998
3)10 Cochrane Brian 831-1875
8)11 Augsten Rainer 831-2763
8)12 Sczygiel Peter 831-0915
8)14 Volkmer V A 831-2756
8)15 Hurdman D 831-2757
8)16 Volkmer Stephen 831-2758
3)17 Lavallee Robert 831-4694
8)18 Barnett D N LCol 831-0189
1)19 Cabrera A&V 831-8566
■22 Lemieux C 831-9264
3)24 Brisson G&L 836-0048
8)36 Marshall Brian&Luba 836-3845
8)38 Mckibbon Wayne 831-2771
■41 Godin P 836-6554
HEALY AVE W (STITTSVILLE)
4)7 Moore K 831-9639
5)9 Snowdon Robert L ▲831-2751
8)15 Lafortune Robert 831-2764
8)16 Curry M 831-2028
8)17 Fanning Frank 831-1675
8)18 Downes L F 831-2765
8)19 Drummond Mac 831-2766
3)20 Caba Wm 831-2767
2)24 Jackson D J 831-7657
HEARNS CRES (STITTSVILLE)
■1 Cherry Stephen ▲836-8340
7)1 Cherry Stephen&Paula 836-8342
8)2 Fitch J&W 831 7034
4 Keating S 836-7480
4 Odendaal F 836-7480
6)5 Shah Amr&Julie 836-8175
■6 Preeper D 836-0224
8)7 Dunn Paul 836-1525
5)8 Gladstone R 831-0005
■9 Holly E&J 836-2742
X10 Copeland E 836-6169
8)11 Mc Bride L 831-9053
5)11 McBride C 836-7895
8)12 Penner John&Carmyn 831-8106
4)14 Burnett T&M 831-1605
■16 Levesque F 836-5962
HEARST WAY (KANATA)
■8 Edwards Enlite De GE ▲254-7422
Securite
■8 Edwards Part Of GE ▲254-7422
Security
■8 GE Security ▲591-0762
■10 Intergrated Security ▲591-6085
X10 Norpak Corporation ▲592-4164
3)10 Precidia ▲592-7557
Technologies Inc
3)66 Colonial Fuiniture ▲599-5666
Co (Ottawa) Ltd
6)101 Carson A 592-2334
1)103 Arthurs C&K 254-8917
■103 We Care Home Health ▲592-1182
Services
3)105 Edmunds D 254-9420
■105 Empirix ▲599-6757
5)107 Kellett H 599-0605
6)109 Reid K 271-7091
3)111 Baxter R 599-9379
■113 Durr Stephen 270-8512
2)115 Anderson T L 254-8523
3)119 Korim A 599-1370
6)121 Tinklin E R 592-3671
6)123 Aucoin M 591-9833
6)125 Au Coin 591 1759
Suzanne&John
■127 Carroll M 963-0033
1)129 Kang J 270-8695
6)129 Coons G 836-6981
6)131 Bowyer B 271-8902
6)133 France R D 592-5951
6)135 Visser S 599-9683
6)137 Larocque D 599-6898
6)139 Henn P 271-8404
2)141 Masse M 270-1450
6)143 Davyduck Robert H 599-0908
6)143 Drost J 599-6033
6)143 van Draanen A&E 599-6033
6)145 Ohmayer T&K 271-8587
3)149 Kerluke J 270-1181
2)151 Ratcliffe J 254-8577
7)151 Macdonald M E 591-3146
7)153 Read M 599-4094
3)155 Malek M 270-9419
1)157 Martin Fred 591-8650
7)159 Bogue Tracey M 592-6540
7)159 Hayden E 592-6540

2006-07 SAVAGE DRIVE

SOURCE: VERNONS

X1915 Judek Stan 526-1341
1917 Judek B 733-8177
X1919 Corkery J K 731-0786
X1921 Ross J A 526-0809
X1925 Collins J D 739-9709
X1927 Kearns Bert 731-3568
X1931 Chasse Marc 737-4928
3)1937 Stone L 523-2507
3)1937 Lyons J A 738-7924
1)1940 Tennyson P 523-3561
3)1940 Churches Roman ▲733-4661
Catholic (Ottawa)
3)1940 Resurrection Of ▲733-4661
Our Lord
X1953 Teed C R 731-8767
3)1957 Wilkinson L 731-0913
6)1960 Berthe H 731-2214
7)1960 Teske M 731-2214
X1971 Welch F T 731-1553
X1975 Driscoll R E 731-5287
8)1979 Rivet A 739-4044
X1980 Manning E W Ted 521-0594
7)1983 Jones K 733-0723
4)1986 Siminowski C 523-4119
X1987 Szelzki Joachim 733-2989
X2001 Atkins L 733-4294
1)2011 Williams H 521-6021
■2012 Stratton G 523-0926
X2025 Alexander Neil G 737-4074
2)2026 Belisle L&Roger 733-9115
X2029 Cousineau Andrew L 526-3042
X2030 Blaney M 521-3598
X2030 Pitchers R 521-3598
1)2033 Crosby Peter&Maria 523-4680
2)2034 Keith I 526-0838
X2037 Klempan Ewald 733-0067
5)2038 Luctkar E 521-1696
X2041 Boileau Ben 733-1158
5)2044 Frechette L P 737-4168
X2044 Parent G M J 737-4168
6)2048 Rushton Mark 736-0355
1)2051 Roberge Mike 737-7883
X2052 Pasqua Mario 737-5909
X2055 Evraire C 523-0468
3)2056 Byrne D F 733-5655
3)2061 Lacelle D 739-8422
X2062 Saunders Gordon 733-5975
1)2065 Maloney P 733-4883
6)2066 Malheiro Antonio 733-3682
X2069 Moujaes M 733-2850
4)2069 Moujaes Khalil 736-8243
X2080 Pugliese Anthony S 731-3465
X2081 Lemay Jacques 731-6503
2)2085 Artopia Adaptive ▲521-8333
Display Arts Ltd
2)2085 Murphy R Dan Story 526-4918
X2086 Bissett S 737-4596
X2089 Luloff G 733-6267
2)2090 Martini R L 737-9727
■2093 Bredbury S 321-1658
3)2094 B & C Landscaping ▲523-1952
1)2094 Quirouette Lucie 733-2545
3)2097 Khalil Yvonne 248-0745
X2100 Buller C J 737-5097
X2103 Da Silva Manuel 731-7761
2104 Baird M 526-5447
2)2104 Wagner D 526-5447
X2108 Moglia Giuseppe 521-9944
X2111 Wolczanski W 733-3148
4)2112 Lamadeleine F 247-0659
X2115 Cayer C 247-1461
X2115 Cayer Claude 521-9182
1)2116 Maklan Louis 731-7319
X2121 Kozoriz George 731-9621
X2122 Leslie V 733-3878
X2138 Cardinal H 521-2902
X2139 Welch James E 733-6599
X2146 Giannuzzi Ceasare 521-6774
X2150 Mackey J Terence 731-5227
6)2154 Cleroux Raymond 260-5707
■2158 Toffolo Walt 523-5044
X2161 Johnson T H 733-6614
X2162 O'Connor Timothy J 521-2402
5)2166 Tsai Armand 260-7284
3)2182 Mckinnon M 526-6203
5)2182 Mclellan S 731-7137
1)2185 Brimigiom M 260-2473
8)2189 Mulligan E 733-9310
X2190 Valiquette J P 523-2155
X2192 Kilrea B 733-9721
1)2193 Banks C A 733-7873
5)2197 Dion R 260-8742
3)2200 Csoti G 260-3310
■2201 Mosley L 733-7160
X2205 Fraser R S 733-2239
X2205 Verbenas Bed & ▲733-2239
Breakfast
1)2208 MacDonald B L 521-7314
2212 Strban M 247-0202
3)2213 Vaillancourt D&L 523-0778
■2214 Saab Paul 260-8753
2214 Apartments
■ Mnll Daley S&J 521-3488
1)2217 Alam M 736-6954
1)2220 Prior F&A 736-1180
1)2222 Shayward N 733-6975
8)2224 Cunliffe T 738-0788
2)2226 O'Leary Michael 523-6588
SAUTERNE (GATINEAU)
3)67 Gamache B J A 684-0126
SAUTERNE PK (ORLEANS)
X1138 Soule C D 837-4026
X1139 Kadubiec R 837-6397
X1140 Hudon J-C 824-8512
2)1141 Rouillard G 834-2034
X1143 Smith Allan G R 837-1623
X1144 Cantello G 824-6741
X1144 Weber Michael 824-6741
X1145 Sirianni Frank 837-1660
X1146 Parkes D W 824-6992
■1149 Rohde Angele 841-8902
X1150 Hand G N 837-0297
X1152 Bedard Jacques 837-7184
■1154 Belair H 830-0204
X1155 Elnick Robert 830-8747
X1156 Parent J 830-2492
5)1157 Shannon Keith&Lynn 824-2288
1)1158 Poulin J 834-3012
Jardine Eldon
X1159 Boily E 830-2788
X1161 Nichol Michael J 837-4029
X1162 Gadbois Ian 837-4029
X1163 Larmand M R 837-4818
1164 Stewart-Rivard M 824-7796
X1165 Kelly Pat&Eloise 837-2250
3)1167 Tassé 837-4479
Germain&Louise
2)1168 McDonough Patrick 837-7068
M
X1168 Perreault Elke 837-7783
X1169 Webster Raymond A
X1170 Avery G&C 837-7783
X1171 Maguire Lawrence 837-4521
X1172 Schiemann 830-9229
Doug&Diane 837-1287
X1173 Hamel S 824-8709
X1175 Erlie C&L
X1175 Erlie Karl 830-3205
X1177 Charbonneau 837-0535
Jean&Pat 837-2992
1)1179 Westerheide B B 830-1350
■1181 Poirier V
X1183 Conrad A B 834-8150
X1183 Romanow M L 837-3836
X1184 Steele Dean 830-6144
X1185 Altaee A 830-6144
X1185 Altaee A 837-1774
■1186 Henry Chris&Rhonda 841-5515
X1187 Cook George 841-6307
X1188 Cherla Sastry 590-9653
3)1189 Sanscartier Hector 834-7918
SAUVE 837-2481
302 Apartments 841-5080
■ Unit Campbell Yann
308 Apartments 420-3103
■ 3 Briere Francois- 420-3056
Michel
SAVAGE DR (STITTSVILLE)
2 Sajiw M
X4 Palmer D J 831-0786
6 Wagstaff Bill&Teresa 831-2589
7 Corcoran M 836-6027
8 Haley C 836-5292
X9 Goyette Claude Pierre 836-2799
X10 Stafford S&C 831-1814
11 Arno D&J 836-2109
15 Bruyere J 831-4071
16 Hamilton G 836-1369
X17 Gale Lisa 836-9486
18 Repic N 831-8535
19 Cardo J 836-9867
X20 Miller M 836-9350
X23 Hickey K 831-3481
X25 Davidson S 836-4828
26 Kline P 836-5812
X29 Smith Darryl I 831-5634
X30 Hanna T 836-3304
34 Sherwin R 836-1536
35 Fenn R 831-5350
36 Hoganson C 836-7869
38 MacLean Mark A 836-7869
■40 Taillon R 831-6570
42 Raphael M 836-3089
44 Romero Joe 831-1895
X46 Fung Mike 836-0232
X46 Au C 831-3013
47 Nener K 831-7060
X48 Dewar R 831-0137
49 Tam W Y 836-1999
X50 Egilo Mark 831-3905
51 Gorman L 836-5126
52 Bynoe K 836-1608
53 Crépault B 836-9817
54 Darling D 831-2616
55 Sullivan Mark 831-9504
56 Boehm E 831-4626
57 Ramsey R 836-1683
58 Baillargeon L 831-3277
■59 Kapaklis R 836-4116
60 Schroeder J 836-2725
62 Bathurst M 836-7996
X64 Jarvis Travis 831-9324
X65 Passfield M 836-6960
SAVANE CH 831-2354
■20 Lalande V 246-6342
■184 Bradley S 243-4806
■195 Dubreuil G 568-6581
■217 Bondett M 561-3367
SAVARD AVE
316 Units ▲742-1784
■ 203 Lapointe E
SAVARD AVE (VANIER) ▲746-4339
1)297 Perspectives Vanier ▲748-1799
8)297 La Maison Des
Jeunes De Vanier 748-0910
X301 Brambat Karl 842-0773
■303 Major Alain 742-5716
6)306 Oldsen E 748-8260
1)306 Epps Alan&Colleen 842-0585
4)306 A Wall T 744-0797
3)307 Cairns Hugh 745-8692
8)311 Begin Y 842-9537
4)313 Dionne Stephane 746-2743
3)315 Giard L 746-9187
■315 Lalleur L
316 Apartments 740-0870
■ -- Jennissen Cathy
Lee 741-1451
6) -- Maysenhoelder
Philip 741-1490
5) -- Roy Edgar 741-8547
3) -- Lock L 742-0418
■ -- Besner J 744-1634
X -- Charbonneau Jean-
Guy 745-1997
6) -- McLean M 745-9020
3) -- Landriault G 746-0345
-- Beehan C

2006-07 SWEETNAM DR

SOURCE: VERNONS

OTTAWA-GATINEAU

X95 Lavigne Guy A 236-4296
X95 Cronier Leo 237-1155
X96 Thomas J A 234-1130
X97 Villeneuve J H 236-4366
97 Apartments
X 2 Rochon Richard 565-4580
98 Apartments
1) 1 Jennex Mary 321-0089
100 Apartments
X 1 Gardiner T E 232-7007
2) 101 Cobb Dylan 236-8084
▪101 Snowden Jessica 237-3340
▪101 Boudreau Michel 565-5481
2) 102 Harty S 234-1352
▪103 Endicott Mary Ruth 234-9520
▪103 Campbell M 237-2116
103 Apartments
▪ 1 Duncan Mathew 321-4702
105 Apartments
▪ -- Porr J 233-5826
1) -- Sagaert David 237-2556
▪ -- Procter T 569-6567
▪ 1 Cicek H 231-1217
106 Bradley Robert H 565-0926
X107 Dallaire H 234-5690
X108 Deacon Philip 233-0078
2) 109 Nelson David 234-6184
▪110 Campbell A 565-5881
▪111 Huff B 239-0446
▪112 Thirlwall Wiebe Gwendolyn 237-6904
X113 Hooper J M 233-1710
2) 114 Wren A 565-2917
5) 115 Armstrong Sam 565-3902
X108 Deacon Philip 230-2022
▪116 Munroe H D 565-6252
1) 118 Clarke J 565-6252
1) 118 Ward B 564-0762
3) 133 Ishak A 565-8460
2) 135 Bays K 565-8460
X135 Dunkley G&K Bays 565-8460
2) 135 Woods K&C 234-8365
▪139 Hilmi L 234-4207
▪141 Sheridan M 230-2345
▪143 Brilliant Text Inc 235-1204
X143 McCrea Philip E 565-8672
1) 147 Meincke T 565-3040
X149 Ullett Art 235-2600
X151 Gauthier Alban
SWEETNAM (CARP)
▪8 Project Management Productivity Solutions ▲831-8046
SWEETNAM DR (STITTSVILLE)
▪7 Centrum Glass & Door ▲831-4011
▪7 Miniman ▲836-4283
7) 7 Denis Auto Centre Inc ▲836-6485
8 Units
X -- CDS Rental Service Ltd ▲831-0240
3) -- CDS Building Movers ▲836-1215
X -- CDS Rental Service Ltd ▲836-1215
3) -- Store-All Ltd ▲836-1215
3) -- CDS Store-All Ltd ▲836-1223
3) -- M E D Servi Systems Canada Ltd ▲836-3004
3) -- Med Clinic ▲836-3004
3) -- Relocateable Homes ▲836-3005
X -- Sweetnam J 836-4578
11 Units
3) -- Jorgensen Roofing ▲831-0260
6) -- Jim's Hi Tech Auto Repairs Inc ▲831-1931
3) -- U- Haul Co Ltd ▲831-5006
2) -- Autovation Inc ▲831-8714
1) -- Central Plumbing ▲836-9246
15 Units
6) -- Dependable Bodyworks ▲831-3899
2) -- Tim Benner Painting Ltd ▲831-8986
7) -- Bruce's Auto & Equipment Repairs ▲836-6511
2) -- Extreme Specialties ▲836-9115
607 Cromack Metal ▲836-4426
513 Cliff's Car Care Centre ▲831-1549
8) 600 Green David Painting & Decorating ▲836-5568
SWIFT ST (DUNROBIN)
3) 114 Bart Jace ▲299-7653
3) 115 Munro A 832-1413
4) 118 Flinn C 832-5448
X123 Knappers Wim 832-4936
8) 124 Beauregard M J 832-3495
X124 Durham P H Dr 832-3495
3) 128 Hamilton B 832-2354
SWILKEN BURN (NEPEAN)
4) 1 Ielo G&L 825-7440
X4 Seppala R E 825-0307
▪5 Pintea Iuliu 825-7593
1) 6 Skuja A 823-5666
7) 8 Nadeau Mark 825-8555
SWITZER AVE
7) 181 Clost N 729-5027
▪181 Simon P&M 729-7452
181 Apartments
1) Apt Buckshot T 761-1168
▪185 Dremencov E 722-0259
4) 185 Minuk Bernard 728-0787
1) 185 Caytak J 729-7712
1) 193 Walson D&J 792-1898
3) 198 Goldmaker Lou ▲738-0495
7) 201 Lenson M 728-0418
X202 Berger M Rabbi 722-5029
▪203 Mccagg T 761-6761
5) 204 Monarty C 729-2660
5) 208 Petigorsky E 729-1872
X210 Dickinson John L 722-8303
▪211 Dinardo M&D 729-6993
5) 212 McGregor M 729-5454
X213 Butler P E 722-8629
4) 214 Cappuccino K 722-3339
4) 214 Jackson B 722-3339
X216 Scribner M 728-6046
X218 Inshaw Nigel 729-3150
X219 Hatton Al 798-0150
8) 221 Perriard R 761-9628
224 Wentzell David W 729-3102
SYCAMORE DR (NEPEAN)
X Lynwood Community Building ▲829-3207
X3 McLean J K 828-6814
X5 Dubroy D 596-2169
5) 8 Sutton J 721-2992
X9 Nevins J&D 828-4132
X10 Graham G M 828-7508
3) 11 Masse L 596-0023
3) 11 Read J 596-0023
X13 Jones Mary&James 828-9759
X15 Racine S 829-9752
X19 Mumford M E 828-6579
X20 McManus F J 829-7923
X21 Steele Richard 820-4144
X23 Dicesare Enrico 721-0971
X24 Dawson W H 828-7370
X25 Watson R H 829-1939
6) 26 Egan M P 726-6058
X27 Navin Ray 820-9586
6) 28 Drew J 829-0812
X29 Lacasse R J 829-9258
X33 Price E J 829-2113
1) 37 Kennedy Pat 829-6464
X39 Bodeau Gerald 828-4519
▪42 Gogia Ram&Indira 721-0966
X43 Bovell L 820-3711
X44 Laurenzio Aristide 828-5217
2) 44 Pottinger Cedilia 829-0278
X45 Shivkumar B 828-6697
X47 Hughes Ashton 828-9990
X48 Schilling Len 820-0234
X49 Bueti Joe&Serafina 726-1164
▪49 Kamara H 828-2340
5) 1100 Adaptech Elevators ▲833-1542
8) 1108 Walker J 833-1545
X1117 McLaughlin Donald 833-3327
8) 1118 Poulin B 833-0132
3) 1123 Burdick M&F 833-1450
3) 1124 Tait T 833-9083
2) 1130 Pepper J 833-9905
X1136 Baarda John 833-8334
SYLVAIN RUE (GATINEAU)
1) 5 Grégoire J 561-3858
▪7 Clermont M 568-6402
4) 7 Sylvestre D 568-6590
2) 9 D'Aragon D 243-9333
▪10 Delage Louis 246-7003
6) 11 Rioux J-M 246-1314
1) 12 Choueiri J 246-2690
▪13 Bernier M 246-8271
X14 Pichette Pierre 561-5711
X15 Lepage Robert J 243-2988
X16 Filion Cliff 568-8614
2) 17 Mineault Diane 243-1639
X18 Rochon F 568-0690
3) 19 Pilon R Jr 568-7148
X20 Duguay R 568-1145
2) 21 Sabbagh Michel 246-0624
2) 22 Bujor Radu Gabriel 561-0452
X23 VanChesteing Y 568-1241
3) 24 Millette A 246-7956
3) 25 Larose S 243-7885
X26 Duford A 243-2293
▪28 Lefebvre M 243-3337
3) 28 Beausoleil Tania 561-8099
X29 Chouinard Y 568-1270
4) 30 Botelho L 246-3757
3) 31 Mireault Florent 561-1658
1) 32 Arruda P 243-0995
1) 33 Cardinal Louise 568-4609
X34 Laniel Mario 246-5341
4) 35 Paris A 243-8029
3) 36 Côté D 561-7080
1) 37 Fortin A 243-7616
4) 38 Plourde M 568-1678
X39 Dumoulin Réjean 243-9354
X40 Machado R 568-2340
▪40 Machado S 568-5400
8) 42 Bouchard L 246-2842
X44 Fecteau René 246-9627
X46 Ritchie G 561-1547
X48 Mulligan C 246-2491
X49 Turpin Ronald 568-4929
▪50 Entretiens Ménagers Professionnels (Les) ▲568-9555
X52 Godbout C 243-7480
SYLVAN AVE (ROCKCLIFFE)
X245 Rowley Graham W 749-8114
X250 Appotive Howard 749-6622
SYLVESTRE RUE (GATINEAU)
2) 435 Villeneuve D 669-2358
2) 438 Sarrazin Jeannot 663-8847
2) 439 Marcotte E 669-7034
2) 443 Malette Jean-Jacques 643-2509
2) 447 Amyot G 643-5471
1) 451 Powers Patrick 669-4323
2) 454 Strasbourg J-C 663-3056
2) 455 Dagenais M 669-8753
2) 459 Longpré Serge 669-7957
2) 460 Polvin Normand 663-4987
2) 463 Cousineau Rhéal 643-1696
2) 464 Cornut J 669-6458
1) 464 Quinn L 669-6458
2) 467 Marsan R 669-8288
2) 468 Bertrand R 669-5512
2) 471 Gravel Ghislain 663-3226
2) 472 Legault K 663-9846
2) 475 Fauteux A 643-4963
2) 476 Bertrand Paul 643-2405
2) 479 Leblanc Sylvain 643-9928
2) 479 Leblanc Gilbert 669-7568
2) 480 Mainville Normand 643-2387
2) 483 Groulx Richard 643-2444
2) 484 Therrien Y M 669-7946
1) 487 Boutholte S 669-0086
2) 488 Bélair L 643-2479

2000 HAZELDEAN ROAD

SOURCE: POLKS

HAZELDEAN RD

Address	cont'd Phone
MICROPLAY VIDEO GAMES	K2L 1V3 831-1131
OCCASIONS	K2L 1V3 836-5702
ROSSEN'S GLASS & MIRROR CO	K2L 1V3 831-9863
TROPICAL CABANAS	K2L 1V3 831-6277
VITIMEX	K2L 1V3 836-8264
471 ACE DRY CLEANERS	K2L 4B8 831-8642
ACT II FASHIONS	K2L 4B8 831-8386
APEX ART FRAMING	K2L 4B8 836-4169
BANK OF NOVA SCOTIA	K2L 4B8 831-2315
#15 COLDWELL BANKER SARAZEN REALTY	K2L 4B8 831-4455
COMPUTERS & MORE INC	K2L 4B8 831-8555
EGGROLL PLUS	K2L 4B8 831-8888
FABRICLAND DISTRIBUTORS	K2L 4B8 831-2227
KANATA VACUUM & SEWING CENTRE	K2L 4B8 831-2326
MILANO PIZZERIA	K2L 4B8 831-3355
PRODECOR	K2L 4B8 831-2299
#1 ROGERS VIDEO	K2L 4B8 831-0643
SALEM STOREHOUSE INC	K2L 4B8 831-9085
TALISMAN FLOWERS	K2L 4B8 831-3939
WINE & BEER DEPOT THE	K2L 4B8 831-3031
Pet Agree	K2L 4B8 831-4595
474 AVCO FINANCIAL SERVICES	K2L 4E5 831-7374
AVCO SERVICES FINANCIERS	K2L 4E5 831-7374
BLUE LAGOON TANNING STUDIO	K2L 4E5 831-3175
BURGER KING	K2L 4E5 836-3949
CO-OPERATORS THE	K2L 4E5 836-8886
DOLLAROKA	K2L 4E5 836-8760
HAIR BY DESIGN	K2L 4E5 836-3555
HERBAL MAGIC SYSTEMS INTERL	K2L 4E5 831-5819
ISSAC'S	K2L 4E5 836-8335
PIZZA HUT	K2L 4E5 836-7533
RUNNING STITCH THE	K2L 4E5 836-5908
STEREO PLUS KANATA	K2L 4E5 831-7140
YARN FORWARD INC	K2L 4E5 831-8027
Edward Jones	K2L 4E5 836-3159
ⓘFunkenhauser Carol	K2L 4E5 831-9062
475 KFC	K2L 1V1 836-4011
486 GRADE EXPECTATIONS LEARNING CENTRES	K2L 1V4 831-4244
MOORE CHIROPRACTIC HEALTH CENTRE	K2L 1V4 831-8374
Moore Jim	K2L 1V4 831-8374
ⓘRoberi Jacques	K2L 1V4 860-1377
500 BANQUE ROYALE	K2L 2B5 831-2981
CLUBHOUSE SPORTS	K2L 2B5 836-1505
FOX BISTRO & SIDE BAR THE	K2L 2B5 831-4884
KANATA UPHOLSTERY	K2L 2B5 831-1485
MEGAPOWER VIDEO GAMES	K2L 2B5 831-4263
MOTOPHOTO	K2L 2B5 831-2381
ONE HOUR MOTOPHOTO	K2L 2B5 831-2381
PAINTED PONY (THE)	K2L 2B5 836-1361
PESTO'S DELI & FRESH PASTA	K2L 2B5 836-5432
ROYAL BANK	K2L 2B5 831-2981
VINTAGE HOBBIES	K2L 2B5 831-0036
Dollar Bin	K2L 2B5 831-1341
#9 Maroosis G	K2L 2B5 836-2433
501 BRIG PUB THE	K2L 1V6 831-9111
DAVIS GROCERY	K2L 1V6 831-7064
FOCUS CENTRE THE	K2L 1V6 836-1016
JOE'S PIZZA	K2L 1V6 831-9191
MOTOR VEHICLE LICENCE ISSUERS	K2L 1V6 836-4534
THE BRIG PUB	K2L 1V6 831-9111
THREE BAGS FULL CONSIGNMENT SHOP	K2L 1V6 836-7621
TOM & SONS DONUTS & MORE	K2L 1V6 836-6395
WAVELENGTH	K2L 1V6 836-7171
510 MC DONALDS' RESTAURANTS	K2L 4B3 831-1143
RESTAURANTS MC DONALD'S	K2L 4B3 682-9762
538 A HOUSE DOCTOR	K2L 2T6 831-9900
GLORIA'S HAIR DESIGN	K2L 2T6 836-6407
PIERSON WINDOW CONVERSION	K2L 2T6 831-9900
Fanshaw G	K2L 2T6 831-2115

BUSINESSES 127 HOUSEHOLDS 14

HAZELDEAN RD *(ST)*

Boliste-Lederc Leo	K2S 1B9 831-0046
1 #5931 STATE FARM INSURANCE COMPANIES	K2S 1B9 831-1799
402 CORKS WINERY	K2S 1B9 831-6603
590ⓘChoquette C	K2S 1B9 831-2234
Craig Eldon	K2S 1B9 836-2654
613 Guigue J	K2S 1B9 831-6608
5601 Gardner S	K2S 1B9 836-3252
5654 GUARDSMAN INSURANCE SERVICES LTD	K2S 1B9 831-6300

HAZELDEAN RD *cont'd*

Address	Phone
D Aoust R	K2S 1B9 836-1629
Watson Keith	K2S 1B9 836-4355
5734 Holmes D & A	K2S 1B9 836-3525
Sweetnam C	K2S 1B9 836-6467
Sweetnam Chris	K2S 1B9 831-7162
Sweetnam D M	K2S 1B9 836-3179
5816 KEMPS STEAKHOUSE & PUB	K2S 1B9 836-1665
5830 ALFONSETTI'S RISTORANTE ITALIANO	K2S 1B9 831-3008
5862 KANATA COLLISION	K2S 1B9 831-3397
5872 Angelo K	K2S 1B9 831-5508
5877 Johnston Glen H	K2S 1B9 831-0103
5879 ESCAPE ESTHETICS	K2S 1B9 836-3671
ⓘLalleur D	K2S 1B9 831-6863
5883 CRAFTIQUES	K2S 1B9 836-2739
Dennis J	K2S 1B9 836-0889
ⓘTole Attic	K2S 1B9 831-0505
5884 Townson D	K2S 1B9 836-7483
Townson Robt	K2S 1B9 836-4242
5891ⓃCao C	K2S 1B9 831-0882
ⓘCao Charles	K2S 1B9 831-2385
5899 MR GAS LTD	K2S 1B9 836-2769
5900 Cabanons Casper	K2S 1B9 831-4672
Dion Daniel	K2S 1B9 831-5559
5903 Mac Fadyen F	K2S 1B9 836-1371
5906ⓃHodges R	K2S 1B9 831-9352
5912 Wilson M	K2S 1B9 836-5443
5923 Loates T R	K2S 1B9 836-3775
5927ⓃPresley L	K2S 1B9 836-8346
5931 SHAKE N BURGER DINER	K2S 1B9 831-8392
Martinuk Kim	K2S 1B9 831-1799
5933 CANTUSCI FRANK UPHOLSTERY FRANK CANTUSCI UPHOLSTERY	K2S 1B9 836-3541
5938 ESSO (IMPERIAL OIL)	K2S 1B9 836-3541
5977 EASTERN CONTAINER COMPANY	K2S 1B9 836-3156
SIGEM INC	K2S 1B9 836-7911
TRILLIUM CONVERTING CORPORATION	K2S 1B9 836-8241
5986 HAZELDEAN MARTIAL ARTS CENTRE	K2S 1B9 836-8060
THERIEN JIU-JITSU & KICKBOXING	K2S 1B9 831-3622
5992 COMMUNIQUE SIGNS	K2S 1B9 831-3622
6001 CASHWAY BUILDING CENTRES	K2S 1B9 836-2207
RITCHIE FEED & SEED INC	K2S 1B9 831-7775
6043 Bradley Arnold	K2S 1B9 836-6880
6176 ARTRISE GALLERY	K2S 1B9 836-2215
AUCTION CANADA	K2S 1B9 831-7463
KAVANAGH REALTY 1982 LTD	K2S 1B9 836-5612
STITTSVILLE MARKET #157 GUS'S ANTIQUES	K2S 1B9 831-1927
6178 FOR SERIOUS COLLECTORS	K2S 1B9 836-5612
6231 SATORI CRAFT SERVICES LTD	K2S 1B9 831-7709
6310 FORANS R V'S LTD	K2S 1B9 831-4859
6423 Ledgerwood E	K2S 1B9 836-1107
6463 MUNRO CAROLYN DESIGN	K2S 1B9 831-8313
Dilawri K	K2S 1B9 836-6655
6640 EXCELSIOR TRUCK & TRAILER LEASING	K2S 1B9 836-8887
TRIPLE K TRANSPORT LTD	K2S 1B9 836-4334
6775 PERMACON OTTAWA	K2S 1B9 836-7333
6801 Page Yvon	K2S 1B9 836-6194
6815 Trghe Peter	K2S 1B9 836-2772
6950 Siu Phat	K2S 1B9 836-1165
6960 Van Lunen T	K2S 1B9 831-1962

BUSINESSES 33 HOUSEHOLDS 35

HAZELDEAN MALL *(K)*

A BUCK OR TWO	599-8355
BENTLEY LEATHER INC	599-7255
JO'S SMOKE & GIFT	599-3571
JUST CURIOUS	592-3238
KANATA SHOE REPAIR	591-0832
ODYSSEY BOOKS	592-4738
PARCHMENT & QUILL SHOP	592-3282
PET WORLD	592-3268
RECORDS ON WHEELS	592-9075
SECOND CUP LTD THE	592-9237
SHORNEY'S OPTICAL	592-4585
Alleyn C	592-2900
Merkley Burton L	592-2900
300 TROPIK SUN FRUIT & NUT	K2S 1B9 591-6194

BUSINESSES 12 HOUSEHOLDS 2

HEARN CRES *(ST)*

1 Cherry S	K2S 1R7 836-8340
Cherry Stephen & Paula	K2S 1R7 836-8342
2 Fitch J & W	K2S 1R7 831-7034
3 COWIE STEPHEN & POWER NANCY	K2S 1R7 836-3816
4ⓃKeating S	K2S 1R7 836-7490
Odendaal F	K2S 1R7 836-7480
5ⓃShah Amir & Julie	K2S 1R7 836-8175
6 Bobula Jill	K2S 1R7 836-5983
ⓘGriffin Ward	K2S 1R7 836-5983
7 Dunn Paul	K2S 1R1 836-1525
8 Chouinard Denis & Susan	K2S 1R7 836-5968
9 Tremblay F	K2S 1R1 831-8995
10 Copeland E	K2S 1R7 836-6169

SAUTERNE PK

Address	cont'd Phone
1172 Schiemann D G ♠	K1C 2N8 824-8709
1173 Harnel S ♠	K1C 2H3 830-3205
1175 Erlle C & L	K1C 2H3 837-0535
Erlle Karl	
1177 Charbonneau Jean & Pat ♠	K1C 2H3 837-2992
1181 Charron Richard ♠	K1C 2H3 830-1350
1183 Conrad A B	K1C 2H3 824-7377
Romanow M L ♠	K1C 2H3 830-6144
1184 Steele Dean ♠	K1C 2H3 830-6144
1185 Altaee A	K1C 2N8 837-1774
1186 Zhang Jianshun & Bing ♠	K1C 2H3 841-5515
1187 Cook George ♠	K1C 2N8 824-0639
1188 Cherla Sastry ♠	K1C 2H3 834-7918
1189 Noel L ♠	K1C 2N8 837-2481
	K1C 2H3 834-8563

HOUSEHOLDS 46

SAVAGE DR *(ST)*

2 MACDOUGALL SALES & SERVICE		836-2085
	ⓃSajiw M	831-0786
4 Palmer D J		831-2589
6 Wagstaff Bill & Teresa		836-6027
7 Corcoran T L	K2S 1B9	836-5292
8 Seidle R J	K2S 1B9	836-4390
9 Goyette Claude Pierre	K2S 1B9	831-1814
10 Stafford S & C	K2S 1B9	836-2109
11 Arno D & J	K2S 1B9	831-4071
15 Bennett J	K2S 1B9	836-1369
16Ⓝ Buie L	K2S 1B9	836-5807
ⓃConey K	K2S 1B9	836-5807
17 Gale Lisa	K2S 1B9	831-8535
18 Cooke C A	K2S 1B9	831-0438
19 Lessard Matt	K2S 1B9	836-6727
20 Miller M	K2S 1B9	831-3481
23 PREFERRED LIMOUSINE SERVICE	K2S 1B9	836-7251
Hickey K	K2S 1B9	836-4828
25 Davidson S	K2S 1B9	836-5812
26Ⓝ Kline P	K2S 1B9	831-5634
29 Smith Darryl I	K2S 1B9	836-3304
30 Hanna T		836-1536
34 Sherwin R	K2S 1H4	831-5350
36 Mac Donald John Angus	K2S 1H4	836-7095
38 Mac Lean Mark A ♠	K2S 1H4	831-6570
40 SIDCO CONSTRUCTION INC	K2S 1H4	831-6251
Lombardi G	K2S 1H4	831-1175
42 Blanchfield Randy ♠	K2S 1H4	836-1676
44 Vallier C ♠	K2S 1H4	831-4658
46 Au C	K2S 1H4	831-7060
Fung Mike ♠	K2S 1H4	831-3013
47 Wilson M ♠	K2S 1H4	831-0137
48 Dewar R	K2S 1H4	836-1999
49Ⓝ Tam W Y	K2S 1H4	831-3902
50 Egilo Mark	K2S 1H4	836-5126
51 Gorman L ♠	K2S 1H4	836-1808
52 Mc Nabb A ♠	K2S 1H4	831-4820
53 Crepault B ♠	K2S 1H4	831-2616
54 Crerar J T ♠	K2S 1H4	836-7849
55 Sullivan Mark	K2S 1H4	831-4626
56Ⓝ Boehm E	K2S 1H7	831-1683
57 Mac Gregor S	K2S 1H7	831-3277
Ramsay R ♠	K2S 1H7	831-3277
58 •MAC Macgregor C ♠	K2S 1H7	836-5340
59 Menard J	K2S 1H7	836-7660
60Ⓝ Schroeder J ♠	K2S 1H7	831-7706
Schroeder J ♠	K2S 1H7	836-7996
61 Osman Ghassan ♠	K2S 1H7	831-2287
62 Osman Marwan ♠	K2S 1H7	831-8309
64 Jarvis Travis ♠	K2S 1H7	836-6460
65 Passfield M ♠	K2S 1H7	831-2354
BUSINESSES 3		HOUSEHOLDS 48

SAWGRASS CIR *(C)*

6 Shawcross C	257-3682
20Ⓝ Roos Thomas A	253-8083
23Ⓝ Brown A	253-7166
36Ⓝ Newton G	253-2332
43Ⓝ Allaire P	257-1551

HOUSEHOLDS 5

SAWMILL CREEK CRES *(G)*

841Ⓝ Robinson W Robert		731-2845
1791 Mallby H	K1T 2E5	738-4608
Mallby M	K1T 2E5	737-5397
1793 George D A	K1T 2E5	738-7010
1795 Csorogi G	K1T 2E5	731-8538
1797 Cavanagh Charles E	K1T 2E6	523-1116
1804 Peters V	K1T 2E6	736-8049
1808 Lee L	K1T 2E6	523-0284
1810 Mc Nully T	K1T 2E6	526-4845
1820Ⓝ Azulay K	K1T 2E6	260-5360
1822Ⓝ Clattenburg Jeff	K1T 2E6	260-8983
1824Ⓝ Velazquez E & J	K1T 2E6	260-9150
1826 Dion M	K1T 2E6	523-0602
1832 McBride E	K1T 2E6	731-9220
1834Ⓝ Rislmaki N & K	K1T 2E6	523-6930
1837 Gawthrop Christopher M	K1T 2E5	521-4085
1838 Sloan D	K1T 2E5	523-2675
1839 Rowat M K	K1T 2E5	521-7262
1843 Van Bregt P	K1T 2E5	247-1531
1844 Doyle Kevin	K1T 2E6	521-6221
1845 Wright Tim	K1T 2E5	521-8029
1846 Dmowska A	K1T 2E6	521-9293
1848 Wilson Jim	K1T 2E6	739-7929
Wright L	K1T 2E6	739-7929
1850 Harbocian K	K1T 2E6	736-9977
ⓃMonachan John	K1T 2E6	736-0137

HOUSEHOLDS 26

SAXONY CRES *(G)*

1600 Doucat B	K1B 5K6	747-7553
1602 WHITE KNIGHT PROMOTIONS	K1B 5K6	744-6145
Martell Gary	K1B 5K6	744-6721
	K1B 5K7	741-5536
1605 Ho Uy ♠	K1B 5K6	744-5164
1606 Cyr L A	K1B 5K6	741-6455
1610 St-Cyr Yves ♠	K1B 5K6	744-0404
1612 Mansa H ♠	K1B 5K6	747-5931
1614 Cortes M ♠	K1B 5K6	747-5917
Renderos Ramon		
1616 DUMAIS CUSTOM GARAGE DOOR	K1B 5K6	745-5219
1618 Chammas Karim ♠	K1B 5K6	745-9424
1622 Elliott David ♠	K1B 5K6	744-1717
1624 Murray Donald J ♠	K1B 5K6	744-2091
1628 Arraj M ♠	K1B 5K6	741-4404

SAXONY CRES

Address	cont'd Phone	S
1630 Pigeon Jean ♠	K1B 5K6 749-9932	4
1631 Clough L	K1B 5K8 746-9252	4
Lapalme Francois	K1B 5K8 746-9252	
1632Ⓝ O'Conner S	K1B 5K6 744-6815	
1634 Brousseau L	K1B 5K6 749-8155	
1635 Stumbillich M	K1B 5K8 747-8699	4
1636Ⓝ Champagne L	K1B 5K6 741-2338	4
ⓃSt Michael C	K1B 5K6 741-2338	4
1637 Moreau P	K1B 5K8 741-7386	
1638 Ranger D ♠	K1B 5K6 746-6071	
1639 Chapman S V	K1B 5K8 747-3726	
1640 Gratton G M ♠	K1B 5K6 744-4908	
1641 Snook D B ♠	K1B 5K8 741-0685	
1644 Ma Sheng Hua	K1B 5K6 748-1953	1
1646 Landry J ♠	K1B 5K6 744-0192	1
1647 Delorme G ♠	K1B 5K8 744-2931	1
1648 Hodges James F ♠	K1B 5K6 749-9911	
1649 Langlois C	K1B 5K8 745-5811	
1650 Davidson Roch ♠	K1B 5K6 749-4507	
1651 Harkins John R	K1B 5K8 745-4085	
1652 Paquette Dan ♠	K1B 5K6 744-6574	
1653 Lanctot M ♠	K1B 5K8 745-0762	
1654 Edwards James R	K1B 5K6 747-1677	
1656 West D	K1B 5K6 746-0444	
1662Ⓝ Daw Andre	K1B 5K6 746-3382	
1666 Lawrenson R ♠	K1B 5K6 744-8280	
1668 Delorme Dan ♠	K1B 5K6 747-7374	
1669 Vieira C	K1B 5K8 744-6775	
1670Ⓝ Aoun M	K1B 5K6 745-6767	
1671 Hogan L	K1B 5K8 744-6789	
1672 Feghali A	K1B 5K6 744-4644	
1673Ⓝ Sabourin M ♠	K1B 5K8 746-5041	
1674 Nicholls R W ♠	K1B 5K6 746-2038	
1675 Fidanza P	K1B 5K8 748-8319	
1678 Repaci Orlando	K1B 5K6 746-7806	
1680 Axworks K	K1B 5K6 744-3766	
McPhail J K	K1B 5K6 744-2443	
1682Ⓝ Barry Deanna	K1B 5K6 741-7361	
Pelot Clement ♠	K1B 5K6 741-7361	
1684 Phong Edward ♠	K1B 5K6 749-5598	
1686 Daigle Eric ♠	K1B 5K6 744-7412	
1688Ⓝ Khogali Walaa E I	K1B 5K6 741-4314	
1690 Lepage G M ♠	K1B 5K6 748-0783	
BUSINESSES 2	HOUSEHOLDS 55	

SCANLON DR *(OS)*

3301 Harrington S ♠	K0A 2W0 826-0714
3307 Brunel L & R ♠	K0A 2W0 826-0658
3313Ⓝ Barney E	K0A 2W0 826-1340
3318Ⓝ Mc Clelland Stephen ♠	K0A 2W0 826-0596
3324 Cosman Donald W ♠	K0A 2W0 826-0891
3336 Rathwell Bill	K0A 2W0 826-1629
3342 Kealey C & S	K0A 2W0 826-0684
3343 Spring Chris & Louise	K0A 2W0 826-1100
3349 Goodenough J Arthur	K0A 2W0 826-1849
3360 Downey C ♠	K0A 2W0 826-0111
3361 Granville Dawn P	K0A 2W0 826-1690
ⓃGranville Tom & Karen	K0A 2W0 826-0028
3366 Konnaway J S	K0A 2W0 826-0867
3367Ⓝ Maguire Liam	K0A 2W0 826-2128
3372 Hall Thomas ♠	K0A 2W0 826-3588
3373 Larocque C	K0A 2W0 826-1216
3378 Pelletier P J	K0A 2W0 826-1441
3379 Gauthier M ♠	K0A 2W0 826-0844
3384 Gorton L And B ♠	K0A 2W0 826-1726
3385Ⓝ Scoble Bernard	K0A 2W0 826-3802
3390Ⓝ Sutherland Mike & Laurie	K0A 2W0 826-0095
3391 Reaney B W	K0A 2W0 826-2683
3396Ⓝ Boyd S & T	K0A 2W0 826-3546
3402 Ross Daniel & Francine	K0A 2W0 826-3777
3408 Nicholson T & K	K0A 2W0 826-2911
3409 Proulx Mark ♠	K0A 2W0 826-0689
	HOUSEHOLDS 26

SCENIC LANE *(W)*

100 Dufault Michel ♠	K0A 3M0 832-3776
104 Shelvock James ♠	K0A 3M0 832-3923
110 Mismas J	K0A 3M0 832-0827
114 Mahoney H ♠	K0A 3M0 832-1328
120Ⓝ Quarterman David & Marilyn	K0A 3M0 832-8053
124 Evans C ♠	K0A 3M0 832-1609
Ritchie S	K0A 3M0 832-1609
Ritchie Stephon	K0A 3M0 832-1198
130 Hick Steve	K0A 3M0 832-0990
Hick Vaida & Steve	K0A 3M0 832-0510
134Ⓝ McHale M	K0A 3M0 832-8092
140 DELORME K M CONSULTING	K0A 3M0 832-4935
Delorme M	K0A 3M0 832-1244
142 Galt Frederick ♠	K0A 3M0 832-0115
150 Bosman R	K0A 3M0 832-5497
Martin J	K0A 3M0 832-5497
154 Seed Gordon ♠	K0A 3M0 832-3522
160Ⓝ Armstrong Henry	K0A 3M0 832-8285
164Ⓝ Du Breuil P	K0A 3M0 832-2247
BUSINESSES 1	HOUSEHOLDS 18

SCHARF LANE *(K)*

6 Banks Edward A	K2L 2K2	836-1560
7Ⓝ Smuck David	K2L 2K3	836-7327
8 Duthie D L	K2L 2K2	836-6356
9 Harris Terry P	K2L 2K3	836-4008
10 Zeyl J	K2L 2K2	836-2465
11 May Andrew J	K2L 2K3	836-4185
May John M	K2L 2K3	836-4684
12 Sammon D M	K2L 2K2	836-5522
13 Johnston Michael & Elizabeth	K2L 2K3	836-4491
16 Poirier Paul	K2L 2K2	836-7010
17 Bronowski S & K	K2L 2K3	836-3843
18 Parker Roy A	K2L 2K2	831-2580
19 Patry Roger P	K2L 2K3	836-3930
21Ⓝ Miller S ♠	K2L 2K3	831-7645
22Ⓝ Marcotte G & N ♠	K2L 2K2	831-7718
23Ⓝ Gemmell Richard	K2L 2K3	831-1981
25 Kealey P D	K2L 2K3	836-2086
414 Hanna W		833-3148
Hanna William & Penny		833-1488
417Ⓝ Udo D & R		833-1030
420 Louisseize R		833-9037
Louisseize Rock		833-1362
421 Sample Robert & Kerry		833-1380
428 Nelson S		833-2437
434 Lariviere Denis		833-5438
440 Grohs M & S		833-1538
445 Poirier Peter		833-1437
446 Bernardo Anthony A		833-1464
Fuhrer J M		833-1464

SUSSEX ST

Address	cont'd Phone
#1 Brown Lyle R	K7C 1P8 257-8341
#14 Burchill M	K7C 1P8 253-2148
#9 Crawford Earl	K7C 1P8 257-5242
Dack Ross ♠	K7C 1P8 257-1302
#5 Dowdall E A	K7C 1P8 253-2298
#23 Dowdall G E	K7C 1P8 257-2348
Drummond M F ♠	K7C 1P8 253-0388
#37 Ellerington James	K7C 1P8 257-5635
Flynn U ♠	K7C 1P8 253-7749
Harvey L ♠	K7C 1P8 253-5058
#16 Hurdis Lorne	K7C 1P8 257-3123
Lackey H ♠	K7C 1P8 257-7731
Marshall T ♠	K7C 1P8 253-3603
#12 Mc Daniel V	K7C 1P8 253-1509
#26 Mc Intyre F	K7C 1P8 257-4252
#4 Mc Kittrick Wallace D	K7C 1P8 257-2191
Mc Laren M N J ♠	K7C 1P8 257-2324
Mc Rae C ♠	K7C 1P8 257-3257
O'Hara M ♠	K7C 1P8 253-5262
#10 Raycroft E J	K7C 1P8 257-2487
Stafford D ♠	K7C 1P8 257-5166
Stewart M ♠	K7C 1P8 257-1846
Stringer C ♠	K7C 1P8 257-2119
Thompson D I ♠	K7C 1P8 253-2511
#25 Thompson Wm	K7C 1P8 257-5764
#2 Townend Cecil	K7C 1P8 257-4362
Whalen A ♠	K7C 1P8 257-2969
#39 Wilson D G	K7C 1P8 257-4605
136 Ardley S R	K7C 1P7 253-3115
169Ⓝ Salvin Sam	257-3425
	HOUSEHOLDS 35

SUTHERLAND DR *(M)*

1379Ⓝ Norrie Ross & Tammy	K4M 1B3	692-8155
1391 Palmerio Joseph	K4M 1B3	692-2392
1393 Fletcher R R ♠	K4M 1B3	692-4927
		HOUSEHOLDS 3

SUZANNE ST *(RO)*

ⓃCardinal Richard		446-4452
ⓃLe Blanc Y		446-4410
74 Stewart R	K4K 1K7	446-5257
75 Pigeon M	K4K 1K7	446-6513
76Ⓝ Prevost Benoit	K4K 1K7	446-0040
79 Cadieux L	K4K 1K7	446-5874
80 Rousset Ronald	K4K 1K7	446-6074
		HOUSEHOLDS 7

SWANS WAY *(G)*

20 Escaravage D & C ♠	K1J 6H9	747-8060
24 Vijay Hari	K1J 6H9	748-7264
28 Khan F R	K1J 6H9	749-3235
Khan F R	K1J 6H9	749-9316
29 Borst L W	K1J 6H8	747-0100
32Ⓝ Venkatesh-Mannar M G	K1J 6H9	746-8502
		HOUSEHOLDS 6

N SWANS WAY *(G)*

ⓃFouda Aly		741-4255
1 Agis Ayaz	K1J 6J1	744-6729
3 Bevilacqua M & E ♠	K1J 6J1	742-8343
4 Rizk Michael & Miranda ♠	K1J 6J2	746-9139
5 Hall Alex ♠	K1J 6J1	745-2537
Jackson Steve	K1J 6J1	745-2537
		HOUSEHOLDS 6

S SWANS WAY *(G)*

10 Bertrand F	K1J 8X2	742-5806
		HOUSEHOLDS 1

SWEETNAM DR *(ST)*

7 DENIS AUTO CENTRE INC	K2S 1G3	836-6485
8 BYTOWN FIRE & SAFETY PROTECTION	K2S 1G2	836-8323
CDS BUILDING MOVERS	K2S 1G2	836-1215
CDS RENTAL SERVICE LTD	K2S 1G2	831-0240
CDS RENTAL SERVICE LTD	K2S 1G2	836-1215
CDS STORE-ALL LTD	K2S 1G2	836-1223
JAY D ALLEN & ASSOCIATES	K2S 1G2	831-6366
LAURENTIAN MOUNTAIN BUSINESS VENTURES	K2S 1G2	836-6053
M E D SIRVI SYSTEMS CANADA LTD	K2S 1G2	836-3004
MED CLINIC	K2S 1G2	836-3004
RELOCATEABLE HOMES	K2S 1G2	836-3005
STEPH-COM LTD	K2S 1G2	831-1275
STORE-ALL LTD	K2S 1G2	836-1215
ⓃPhilliban G	K2S 1G2	831-9815
Sweetnam J	K2S 1G2	836-4578
11 ABBOTSFORD TRUCK REPAIRS	K2S 1G3	836-2084
JIM'S HI TECH AUTO REPAIRS INC	K2S 1G3	831-1931
ORR MOTORS INC	K2S 1G3	831-8714
ⓃFrank Powell	K2S 1G3	836-3491
15 BRUCE'S AUTO & EQUIPMENT REPAIRS	K2S 1G3	836-6511
DEPENDABLE BODYWORKS	K2S 1G3	831-3899
HAZELDEAN AUTO SERVICE INC	K2S 1G3	836-3025
#607 CROMACK METAL	K2S 1G3	836-4426
513 CLIFF'S CAR CARE CENTRE		831-1549
600 GREEN DAVID PAINTING & DECORATING		836-5568
BUSINESSES 22		HOUSEHOLDS 3

SWIFT ST *(D)*

114Ⓝ Baart Jaco	K0A 1T0	832-8213

SWIFT ST

Address	cont'd Phone
115 Weber Gordon J	K0A 1T0 832-4204
118 Bacon E W	K0A 1T0 832-2001
Wallace J G	K0A 1T0 832-4391
123 Knappers Wm	832-4936
124 Beauregard M J	K0A 1T0 832-3495
Durham P H	K0A 1T0 832-3495
128Ⓝ Frodsham T D	K0A 1T0 832-0511
	HOUSEHOLDS 8

SYLVAIN RUE *(RO)*

2724 Michaud Donald	K4K 1S6	446-0188
2726 Lafontaine N	K4K 1S6	446-7735
2728Ⓝ Farmer Y	K4K 1S6	446-2899
2730Ⓝ Musicka S	K4K 1S6	446-3326
2732 Cipriani Vince ♠	K4K 1S6	446-0182
2733 Leduc Francois ♠	K4K 1S6	446-0163
2734Ⓝ Casault A & J	K4K 1S6	446-6682
2735 Beauregard Steve ♠	K4K 1S6	446-2285
2736Ⓝ Baily T	K4K 1S6	446-0109
2737Ⓝ Gervais Michel	K4K 1S6	446-3394
2738Ⓝ Houle G & G	K4K 1S6	446-5938
2739Ⓝ Bernard C ♠	K4K 1S6	446-4015
2740Ⓝ Iannitto R & A	K4K 1S6	446-1800
2746Ⓝ McCarthy Brian & Jane	K4K 1S6	446-2221
		HOUSEHOLDS 14

SYLVIE TERR *(O)*

292 Allan Ross & Shirley ♠	K1E 3L8	834-4493
293 Curry Syd	K1E 3L8	841-0353
294 RAMTEL CORPORATION	K1E 3L8	941-1499
Misener Ralph A ♠	K1E 3L8	834-8946
295 Gelinas P H ♠	K1E 3L8	841-2515
296 DESMARAIS ENTREPRISES	K1E 3M2	824-7754
HMS INDEPENDENT DISTRIBUTOR	K1E 3M2	824-7754
IMMUNOTEC IND DISTRIBUTOR	K1E 3M2	824-7754
SHAKLEE AGENT	K1E 3M2	824-7754
Desmarais Andre ♠	K1E 3M2	837-2269
297 Bissonnette M ♠	K1E 3M2	834-5196
298 Charbonneau Roch	K1E 3M2	830-7741
299 Proulx Benoit ♠	K1E 3M2	841-6658
300 Vokey Graham ♠	K1E 3M2	841-1222
301 Heyman James ♠	K1E 3M2	824-8896
302 Girard L ♠	K1E 3M2	841-5416
303 Hullin Thomas	K1E 3M2	837-7399
304 Baker Donald ♠	K1E 3M2	830-8041
305 Seguin A ♠	K1E 3M2	824-9168
306Ⓝ Annett T	K1E 3M2	841-5333
307 Charbonneau Rene ♠	K1E 3M2	824-2738
BUSINESSES 5		HOUSEHOLDS 16

TACHE WAY *(O)*

1612 Meighan R J ♠	K4A 2R7	837-1273
1614Ⓝ Cornell K ♠	K4A 2R7	841-2017
1616 Landel Pierre ♠	K4A 2R7	837-0131
1618 Perrault Eric ♠	K4A 2R7	824-6954
1620 Beales M ♠	K4A 2R7	830-7244
1622Ⓝ Clark S	K4A 2R7	590-7421
Whittla Grant & Martha ♠	K4A 2R7	841-1978
1623 Jolie Ron	K4A 2R8	834-7727
1625 Marinier Andre	K4A 2R8	824-9412
Provencal Lisa	K4A 2R8	841-9041
1627Ⓝ Mc Guire Jeff	K4A 2R8	834-9129
1628 Mc Nicoll D ♠	K4A 2R8	824-4914
1629 Moran S ♠	K4A 2R8	834-6442
1630 Clark John	K4A 2S1	830-7146
1631 Wentzell Keith ♠	K4A 2S3	824-9541
1632 Delcellier John A ♠	K4A 2S1	830-7004
1634 Venasse P & M ♠	K4A 2S1	830-4241
1635 Goudie Terry & Greta	K4A 2S3	830-3893
1636 Watson K ♠	K4A 2S1	824-0825
1637Ⓝ Poirier Rene	K4A 2S3	837-2196
1638 Major R & J ♠	K4A 2S1	834-2949
1639 Franklin D ♠	K4A 2S3	830-7103
1640 Holl R P	K4A 2S1	830-8527
1642 Sharkey N C & R ♠	K4A 2S1	830-8213
1644 Leduc C ♠	K4A 2S1	837-1975
1646 Caissie P ♠	K4A 2S2	830-7180
1648 Sevigny Ron ♠	K4A 2S2	837-9719
1650 Melo J	K4A 2S2	837-7791
1652 Briard David & Leslie ♠	K4A 2S2	841-0016
1654 Roy Glenn	K4A 2S2	830-9175
1656 Fournier L ♠	K4A 2S2	824-6577
ⓃFournier L	K4A 2S2	834-6590
1658 Lambourne L & M	K4A 2S2	824-0059
1662 Gagnon C	K4A 2S2	830-7057
1663 Loughrey J	K4A 2S3	834-9046
1664 Valks T	K4A 2S3	824-4795
1665 Albert Danny ♠	K4A 2S3	834-0629
1666 Mullin Paul	K4A 2S3	834-5136
1667 Desharnais P ♠	K4A 2T7	830-7743
1668 Bilik Alex ♠	K4A 2T6	824-5617
1669 Brule J & J	K4A 2T7	841-4551
1670Ⓝ Finlay Bruce	K4A 2T6	834-7895
1671 Tremblay Jeff ♠	K4A 2T7	841-8744
1672 Duquette D ♠	K4A 2T6	834-8080
1680 Marchant D ♠	K4A 2T6	841-5178
1681Ⓝ Schwilden Tim M & E ♠	K4A 2T7	837-6265
1682 Boaudin Ghislain ♠	K4A 2T6	837-4092
1686 Daley P ♠	K4A 2T3	830-1914
1687Ⓝ Mc Onald J A W	K4A 2T5	841-6989
1688 Sabourin Richard E ♠	K4A 2T3	830-9116
1689 Brandt S R ♠	K4A 2T5	834-4893
1690 Carty A E	K4A 2T3	841-1176
1691 Lever D J	K4A 2T5	834-7496
1692Ⓝ Clark Jason	K4A 2T3	590-2186
ⓃLee K	K4A 2T3	837-2996
1693 Wyonch K ♠	K4A 2T5	834-7118
1694 Perkins M ♠	K4A 2T3	824-0721
1695Ⓝ Holmes L K	K4A 2T5	837-1691
McKoy R	K4A 2T5	837-0119
1696 Martineau A ♠	K4A 2T3	830-2005
Martineau Allan ♠	K4A 2T3	837-2234
1697 Scully Patrick ♠	K4A 2T5	830-9627
1698 Verdon Paul ♠	K4A 2T3	830-3498
1699 Brunet F ♠	K4A 2T5	837-9520
1700 Flynn G R	K4A 2T3	824-9867
1701 Charney Richard	K4A 2T5	837-8450
1702 Cholette Danis ♠	K4A 2T4	837-1133
Kennett S	K4A 2T4	841-3868
1703 Kirkup Dwight & Colleen	K4A 2T5	841-4362
1704 Audette D	K4A 2T4	830-9310
Audette P	K4A 2T4	841-8445
1705 Maurice Mario D ♠	K4A 2T5	837-1156

1997 HAZELDEAN ROAD

SOURCE: POLKS

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HAZELDEAN RD cont'd

Address	Phone
BENTLEY LEATHER INC	K2S 1B9 599-7255
DOLLAR BILL'S	K2S 1B9 599-8355
HAZELDEAN DENTAL GROUP	K2S 1B9 592-2900
JUST CURIOUS	K2S 1B9 592-3238
KANATA SHOE REPAIR	K2S 1B9 591-0832
LEISURE WORLD	K2S 1B9 591-8829
MRS VANELLI'S PIZZA & ITALIAN FOODS	K2S 1B9 592-9484
ODYSSEY BOOKS	K2S 1B9 592-4738
PARCHMENT & QUILL SHOP	K2S 1B9 592-3282
PET WORLD	K2S 1B9 592-3268
RECORDS ON WHEELS	K2S 1B9 592-9075
SECOND CUP LTD THE	592-9237
SHORNEY'S OPTICAL	K2S 1B9 592-4585
WORK WORLD	K2S 1B9 592-9578
WORK WORLD	K2S 1B9 729-3300
(A)Alleyn C	K2S 1B9 592-2900
Broadner Badges (2)	K2S 1B9 592-9236
(M)Merkley Burton L	K2S 1B9 592-2900
300 TROPIK SUN FRUIT & NUT	K2S 1B9 591-6194
415 BLOCKBUSTER VIDEO	K2S 1B9 599-1262
DAIRY QUEEN BRAZIER	K2S 1B9 591-8335
474 #10 BELCOURT CONSTRUCTION	K2S 1B9 836-3413
PIZZA HUT	K2S 1B9 836-7533
590 Catherwood C & M (2)	K2S 1B9 831-2234
Craig Eldon (2)	K2S 1B9 836-2654
613 Wilson Daniel & Jennifer (2)	K2S 1B9 831-3717
741(A)Pet Agree	K2S 1B9 831-4595
5601 Gardner S (2)	K2S 1B9 836-3252
5654 GUARDSMAN INSURANCE SERVICES INC	K2S 1B9 831-6300
(D)D'Aoust R Jr	K2S 1B9 836-1629
Watson Keith (2)	K2S 1B9 836-4355
5734 MED CLINIC	K2S 1B9 836-3004
(H)Holmes D & A	K2S 1B9 836-3525
Sweetnam C (2)	K2S 1B9 836-6467
Sweetnam Chris (2)	K2S 1B9 831-7162
Sweetnam D M (2)	K2S 1B9 836-3179
5816 CHEQUERS THE	K2S 1B9 836-1665
THE CHEQUERS	K2S 1B9 836-1665
5830 ALFONSETTI'S RISTORANTE ITALIANO	K2S 1B9 831-3008
(R)Ranieri T	K2S 1B9 831-4925
5862 KANATA COLLISION LINDRON EQUIPMENT INC	K2S 1B9 831-3397
STITTSVILLE AUTO GLASS LTD	K2S 1B9 831-2820
5872(H)Holmes T	K2S 1B9 831-4527
5877 Johnston Glen H (2)	K2S 1B9 831-4841
5879(B)Boeyen Joe	K2S 1B9 831-0103
5880(K)Keuhl T	K2S 1B9 837-7034
5883 CRAFTIQUES	K2S 1B9 831-0046
5884 Townson D (2)	K2S 1B9 836-2739
Townson Robt (2)	K2S 1B9 836-7483
5891 Kirchner Guenter (2)	K2S 1B9 836-4242
5900(P)Parsons F	K2S 1B9 836-1558
5903 Mac Fadyen F (2)	K2S 1B9 831-4104
5912 Wilson M (2)	K2S 1B9 836-1371
5915 Scott Glen (2)	K2S 1B9 836-5443
5923(L)Loates S	K2S 1B9 836-4141
Loates T R (2)	K2S 1B9 931-1409
5927(C)Crawford Roz	K2S 1B9 836-3775
5931 #C STATE FARM INSURANCE COMPANIES	K2S 1B9 831-4485
(H)#A Mama Linda	K2S 1B9 831-1799
#C Martinuk Jim (2)	K2S 1B9 831-8392
5933 CANTUSCI FRANK UPHOLSTERY	K2S 1B9 831-1799
FRANK CANTUSCI UPHOLSTERY	K2S 1B9 836-3541
5938 ESSO (IMPERIAL OIL)	K2S 1B9 836-3541
GENUINE AUTOMOTIVE SERVICE	K2S 1B9 836-3156
5977 LOVE PRINTING SERVICE LTD	K2S 1B9 831-8062
5986 HAZELDEAN MARTIAL ARTS CENTRE	K2S 1B9 831-5683
KANATA JAPAN KARATE ASSOCIATION	K2S 1B9 831-3622
THERIEN JIU-JITSU & KICKBOXING	K2S 1B9 831-3622
La Guff Glen (2)	K2S 1B9 831-3622
5992 COMMUNIQUE MOBILE SIGNS	K2S 1B9 831-0641
(S)Sharples A	K2S 1B9 836-2207
6001 RITCHIE FEED & SEED (1982) LTD	K2S 1B9 836-2553
6043 Bradley Arnold (2)	K2S 1B9 836-6880
6174 STITSVILLE MARKET	K2S 1B9 836-2215
6176 AUCTION CANADA KAVANAGH REALTY 1982 LTD	K2S 1B9 836-5616
STITSVILLE MARKET	K2S 1B9 836-5612
6231 SATORI CRAFT SERVICES LTD	K2S 1B9 831-1972
6310 FORAN R V'S LTD	K2S 1B9 836-1107
6423 Ledgerwood E (2)	K2S 1B9 831-8313
6463 Lacharity Earl (2)	K2S 1B9 836-6655
6559(L)Lacharity Earl	K2S 1B9 836-5071
Page Yvon (2)	K2S 1B9 836-1289
6640 EXCELSIOR TRUCK & TRAILER LEASING	K2S 1B9 836-2772
	K2S 1B9 836-7333

HAZELDEAN RD cont'd

Address	Phone
TRIPLE K TRANSPORT LTD	K2S 1B9 836-7333
6775 PERMACON OTTAWA	K2S 1B9 836-6194
6801 Tompkins George (2)	K2S 1B9 836-4184
6815 Tigho Peter (2)	K2S 1B9 836-1165
6950 Siu Phat (2)	K2S 1B9 831-1962
6960 Van Lunen T (2)	K2S 1B9 836-3144

BUSINESSES 50 HOUSEHOLDS 42

E HEALEY AVE (ST)

4 Orosz J A (2)	K2S 1J9 831-2749
5 Poirier Maurice (2)	K2S 1J9 831-2011
6 Anderson K D (2)	K2S 1J9 831-1206
9 Game Felix (2)	K2S 1K1 831-2998
10 Cochrane Brian (2)	K2S 1J9 831-1875
11 Augsten Rainer (2)	K2S 1K1 831-2763
12(R)Rawlins Barry	K2S 1K1 831-6269
Szczygiel Peter (2)	K2S 1K1 831-0915
14 Volkmer V A (2)	K2S 1K1 831-2756
15 Hurdman D (2)	K2S 1K1 831-2757
16 Volkmor Stephen (2)	K2S 1K1 831-2758
17 Bassett D E (2)	K2S 1K1 831-7138
18 Barnett D N Lcol (2)	K2S 1K1 831-0189
19 Parmenter Glenn (2)	K2S 1K1 836-3884
Parmenter Sarah (2)	K2S 1K1 836-7864
20 Goodwin Dean (2)	K2S 1K1 831-7138
(G)Goodwin S	K2S 1K1 836-6088
22 Rawlins Sassie (2)	K2S 1K1 836-7656
24 Grass Russell (2)	K2S 1K1 831-2769
36(M)Marshall Brian & Luba	K2S 1K1 836-3845
38(M)c Kibbon Wayne	K2S 1K1 831-2771
41 Badgley Robert (2)	K2S 1K1 836-5514

HOUSEHOLDS 22

W HEALEY AVE (ST)

7 Winney D L (2)	K2S 1J9 831-0364
9 SNOWDON & ASSOCIATES CHARTERED ACCOUNTANTS	K2S 1J9 831-2751
11 Meyer Tim (2)	K2S 1J9 836-7468
Powell Dana (2)	K2S 1J9 836-7458
15 Lafortune Robert (2)	K2S 1J9 831-2764
16 Curry M (2)	K2S 1J9 831-2028
17 Fanning Frank (2)	K2S 1J9 831-1675
Fanning Terry (2)	K2S 1J9 836-3299
18 Downes L F (2)	K2S 1K1 831-2765
19 Drummond Mac (2)	K2S 1K1 831-2766
20 Caba Wm (2)	K2S 1K1 831-2767
24 Falardeau K (2)	K2S 1K1 831-2104
Falardeau K (2)	K2S 1K1 831-2105

BUSINESSES 1 HOUSEHOLDS 12

HEARN CRES (ST)

4(O)Keating S	K2S 1R7 836-7480
(O)Odendaal F	K2S 1R7 836-7480
6 Higgins W S (2)	K2S 1R7 836-5983
8(G)Gauthier G	K2S 1R7 831-2574
9 Tremblay F (2)	K2S 1R1 831-8995
10 Copeland E (2)	K2S 1R7 836-6169

HOUSEHOLDS 6

HEARST WAY (K)

8 INFOGRAPHIC SYSTEMS INC	K2L 2P4 591-0762
10 ATOMIC ENERGY OF CANADA LIMITED (AECL)	K2L 2P4 831-2882
ENERGIE ATOMIQUE DU CANADA LIMITEE (EACL)	K2L 2P4 831-2882
NORPAK CORPORATION	K2L 2P4 592-4164
66 COLONIAL FURNITURE CO (OTTAWA) LTD	K2L 2P4 837-5900
OLYMPIA HOMES	K2L 2P4 599-9795
222 COMFORT INN	K2L 3A2 592-2200
260 1ST HOMES INC	K2L 3H1 592-0126
ARBELL INC	K2L 3H1 592-6989
BDM ACCOUNTING & TAX SERVICES	K2L 3H1 591-9521
BENEFITS ACCESS CONSOLIDATORS (BEACON)	K2L 3H1 599-1499
BOTTRIELL & ASSOCIATES ENGINEERING LTD	K2L 3H1 591-5926
BREAGAN GROUP INC THE	K2L 3H1 592-8581
CANADIAN PROFESSIONAL GOLFERS ASSOCIATION	K2L 3H1 591-0100
OTTAWA #5 CHIARELLI ENGINEERING LTD	K2L 3H1 592-5844
DALEY FERRARO ASSOC ENGINEERING SERVICES	K2L 3H1 599-9081
DAVIS CONTROLS RIDEAU LTD	K2L 3H1 591-2550
FIRST HOMES	K2L 3H1 592-0126
GLOVER FINANCIAL CORP	K2L 3H1 592-8201
GREGORY GEOSCIENCE LTD	K2L 3H1 599-7465
IMAGINEERING LIMITED	K2L 3H1 599-3539
INTELLISERV DATA PROFESSIONALS LTD	K2L 3H1 599-9750
K S L	K2L 3H1 592-5694

1997 SAVAGE DRIVE

SOURCE: POLKS

SARATOGA PL to SCANLON DR

SAUTERNE PK (O)

Address	Phone
71(M)aguire Lawrence	837-1287
1138 Soule C D (2)	K1C 2N8 837-4026
1139 Kadubiec R (2)	K1C 2H3 837-6397
1140 Hudon J-C (2)	K1C 2N8 824-8512
1141 Cloutier G (2)	K1C 2H3 834-2034
1143 Smith Allan G R (2)	K1C 2H3 837-1623
1144 Cantello G (2)	K1C 2N8 824-6741
Weber Michael (2)	K1C 2N8 824-6741
1145 Sirianni Frank (2)	K1C 2H3 837-1660
1146 Parkes D W (2)	K1C 2N8 824-6992
1148 Breton M (2)	K1C 2N8 837-0552
1149(R)ohde Horst	K1C 2H3 841-8902
1150 Hand G N (2)	K1C 2N8 837-0297
1152 Bedard Jacques (2)	K1C 2N8 837-7184
1154 Eberwein K (2)	K1C 2N8 830-1105
1155 Elrick R G (2)	K1C 2H3 830-8742
1156 Parent J (2)	K1C 2N8 830-2492
Sarault Robert (2)	K1C 2N8 834-3550
1157 Leclerc Lewis (2)	K1C 2H3 830-1183
1158 Parreault David (2)	K1C 2N8 837-3311
1159 Jardine Eldon (2)	K1C 2H3 830-2769
(J)ardine L	K1C 2H3 834-7616
1161 Boily E (2)	K1C 2H3 837-4029
Nichol Michael J (2)	K1C 2H3 837-4029
1162 Gadbois Ian (2)	K1C 2N8 837-4818
1163 Larmand M R (2)	K1C 2H3 824-7796
1164(S)tewart-Rivard M	K1C 2N8 837-2260
1165 Kelly Pat & Eloise (2)	K1C 2H3 837-4479
1166 Mac Donald Dan (2)	K1C 2N8 830-6772
1167 Tasse Germain & Louise (2)	K1C 2H3 837-7088
1168 Perreault R P J (2)	K1C 2N8 837-7783
1169 Webster Raymond A (2)	K1C 2H3 837-4521
1170 Avery G & C (2)	K1C 2N8 830-9229
1171 Maguire J (2)	K1C 2H3 837-7425
1172 Schiemann D G (2)	K1C 2N8 824-8709
1173 Hamel S (2)	K1C 2H3 830-3205
1175(E)rfle C & L	K1C 2H3 837-0535
Erfle Karl (2)	K1C 2H3 837-2992
1177 Charbonneau Joan & Pat (2)	K1C 2H3 830-1350
1181 Charron Richard (2)	K1C 2H3 824-7377
1183 Conrad A B (2)	K1C 2H3 830-6144
Romanow M L (2)	K1C 2H3 830-6144
1184 Steele Dean (2)	K1C 2N8 837-1774
1185 Altaee A (2)	K1C 2H3 841-5515
1186 Zhang Jianshun & Bing (2)	K1C 2N8 824-0639
1187 Cook George (2)	K1C 2H3 834-7918
1188 CHERLA SASTRY (2)	K1C 2N8 837-2481
1189 Noel L (2)	K1C 2H3 834-8563

BUSINESSES 1 HOUSEHOLDS 47

SAVAGE DR (ST)

2 MACDOUGALL SALES & SERVICE	836-2085
(T)aylor A	836-7032
4(B)lanchfield Randy	836-1676
Palmer D J (2)	831-2589
6(W)agstaff Bill & Teresa	836-5027
8(S)eadle R J	K2S 1B9 836-4390
9 Goyette Claude Pierre (2)	K2S 1B9 831-1814
10 Stafford J (2)	K2S 1B9 836-2109
11 Kozlo Allan (2)	K2S 1B9 831-6342
15 Bennett J (2)	K2S 1B9 836-1369
16 Larmour K (2)	K2S 1B9 831-0590
17 Gale Lisa (2)	K2S 1B9 831-8535
18 Cooke C A (2)	K2S 1B9 831-0438
(M)enard J	K2S 1B9 836-7660
19 Seymour Dave & Jill (2)	K2S 1B9 831-8250
20 Miller M (2)	K2S 1B9 831-3481
23 PREFERRED LIMOUSINE SERVICE	K2S 1B9 836-7251
Hickey K (2)	K2S 1B9 836-4828
25 Davidson F (2)	K2S 1B9 836-5812
26 K-DECK	K2S 1B9 836-6432
Klinger Mike (2)	K2S 1B9 831-0414
29(D)Smith D	K2S 1B9 831-0125
Smith Darryl I (2)	K2S 1B9 836-3304
30 Hanna T (2)	836-1536
34 Roth Brad & Michele (2)	K2S 1H4 836-3729
36 Mac Donald John Angus (2)	K2S 1H4 836-7095
38 Everest Joel (2)	K2S 1H4 836-4465
40 SIDCO CONSTRUCTION INC	K2S 1H4 831-6251
Lombardi G (2)	K2S 1H4 831-1175
44(C)haplin C	K2S 1H4 831-4658
46 Au C (2)	K2S 1H4 831-7060
Fung Mike (2)	K2S 1H4 831-3013
47 Wilson M (2)	K2S 1H4 831-0137
48 Dewar R (2)	K2S 1H4 836-1999
49(T)am W Y	K2S 1H4 831-3905
52 Jones R (2)	K2S 1H4 836-3719
53(C)repault B	K2S 1H4 831-2616
54 Crerar J & T (2)	K2S 1H4 836-7849
55(S)ullivan Mark	K2S 1H4 831-4626
56(B)oehm E	K2S 1H7 836-1683
57 Mac Gregor S (2)	K2S 1H7 831-3277
Ramsay R (2)	K2S 1H7 831-3277
Kendores K (2)	K2S 1H7 836-5340
Macgregor C (2)	K2S 1H7 836-5340
60 Quach Hon Du (2)	K2S 1H7 836-6172
61 Osman Ghassan (2)	K2S 1H7 831-2287
62 Osman Marwan (2)	K2S 1H7 831-8309
64 Jarvis Travis (2)	K2S 1H7 836-6460
65 Passfield M (2)	K2S 1H7 831-2354

BUSINESSES 4 HOUSEHOLDS 45

SAWMILL CREEK CRES (G)

184(W)right Tim	521-8029
1791(M)alby H	K1T 2E5 738-4608
1793(G)eorge D	K1T 2E5 736-7010
1795(C)sorogi G	K1T 2E5 731-1912
1797 Cavanagh Charles E (2)	K1T 2E5 523-1116
1799 Le Blanc Jamie (2)	K1T 2E5 521-8192
1804 Van Bregt Patricia (2)	K1T 2E6 247-1531
1806 Langlois Jen & Adam (2)	K1T 2E6 523-6211

SAWMILL CREEK CRES cont'd

Address	Phone
(L)arkin Virginia	K1T 2E6 523-6211
(M)offord Douglas	K1T 2E6 523-6211
1808(L)avoie Mario	K1T 2E6 736-6078
1810 Mc Lean John F (2)	K1T 2E6 521-9343
Mc Lean S M (2)	K1T 2E6 523-2678
1820(C)arty D & S	K1T 2E6 731-3677
1822(D)a Costa P	K1T 2E6 737-6555
1824(L)ins D J	K1T 2E6 731-5009
1826 Galley D (2)	K1T 2E6 526-1445
1832(M)cBride E	K1T 2E6 731-9220
1834(D)ionsthuber A	K1T 2E6 731-0733
(H)elferty Joan E	K1T 2E6 737-0650
1836(B)rind' Amour A	K1T 2E6 739-7218
1837 Gawthrop Christopher M (2)	K1T 2E5 521-4085
(G)awthrop M	K1T 2E5 521-5946
1838(S)loan D	K1T 2E6 523-2675
1839 Rowat M K (2)	K1T 2E5 521-7262
1841(H)ogbin B	K1T 2E5 733-9217
1843 Mac Laren J R (2)	K1T 2E5 521-1883
1844(D)oyle Kevin	K1T 2E6 521-1221
1846 St Joan C J (2)	K1T 2E6 523-4717
1848(C)umming J M	K1T 2E6 526-3341
1850(D)u Broy Allan	K1T 2E6 731-4482

HOUSEHOLDS 31

SAXONY CRES (CU)

1632(M)c Clendon Tanya	741-3334

HOUSEHOLDS 1

SAXONY CRES (G)

1600(L)acasse J C	746-9321
1600(L)apago N	K1B 5K6 747-7508
1602 WHITE KNIGHT PROMOTIONS	K1B 5K6 744-6145
(M)artell Gary	K1B 5K6 744-6721
1604(J)enkins John	K1B 5K6 741-3876
1605(M)orand Rene B	K1B 5K7 741-8681
1606 ST PIERRE YVAN ROOFING	K1B 5K6 746-4834
(C)yr L A	K1B 5K6 744-5164
1610(S)t-Cyr Yves	K1B 5K6 741-6455
1612(N)olan Jason & Joshua	K1B 5K6 741-6804
1614(T)uttle C	K1B 5K6 746-8864
1616(D)umais Michael	K1B 5K6 744-6315
1618(C)hampagne B	K1B 5K6 746-6577
1622(E)lliott David	K1B 5K6 744-1714
1624(M)urray Donald J	K1B 5K6 744-2091
1626(M)eating Geoff	K1B 5K6 741-8455
1628(A)rseneault C	K1B 5K6 744-6927
1630(P)igeon Jean	K1B 5K8 749-9932
1631(C)lough L	K1B 5K8 746-9252
(L)apalme Francois	K1B 5K6 746-9252
1634(B)rousseau L	K1B 5K6 749-8155
1635(C)ampbell Glen & Susan	K1B 5K8 746-7599
1636(D)reiling E	K1B 5K8 744-2206
1637(M)oreau P	K1B 5K8 741-7386
1638(R)anger D	K1B 5K6 746-6071
1639(M)in Hyungjong	K1B 5K8 744-2974
1640(G)rattan G M	K1B 5K6 744-4908
1641(S)nook D B	K1B 5K6 741-0685
1642(P)ilon Raymond	K1B 5K6 749-8998
1644(M)a Sheng Hub	K1B 5K8 748-1953
1646(L)andry J	K1B 5K8 744-0192
1647(B)ellefeuille G	K1B 5K8 744-2931
1649(E)ther Luc	K1B 5K8 741-3347
1650(D)avidson Roch	K1B 5K6 749-4507
1651(H)arkins John R	K1B 5K8 745-4085
1652(P)aquette Dan	K1B 5K8 744-6574
1653(L)anctot M	K1B 5K6 745-0762
1656(W)est D	K1B 5K6 746-0444
1662 DIOTTE ELECTRIC	K1B 5K6 748-5570
(D)iotte Richard	K1B 5K6 746-5669
1666(L)awranson R	K1B 5K8 744-8280
1668(D)eKorme Dan	K1B 5K8 747-7374
1669(W)ilson P	K1B 5K8 741-3134
1670(W)atson Scott	K1B 5K6 746-8461
1671(S)arkar A	K1B 5K6 746-3794
1672(F)eghali A	K1B 5K8 744-4644
1673(M)eszaros J B	K1B 5K6 746-2369
1674(N)icholls R W	K1B 5K8 746-2038
1675(S)mith Chris	K1B 5K8 741-7917
(S)mith David M	K1B 5K8 741-3065
1678(R)opaci Orlando	K1B 5K6 746-7806
1680(G)ilbert C	K1B 5K6 744-2443
(M)c Phail Kevin	K1B 5K6 744-3766
1682(B)radshaw Deanna	K1B 5K6 741-7361
(P)elot Clement	K1B 5K6 741-7361
1684(P)hong Edward	K1B 5K6 749-5598
1686(D)aigle Eric	K1B 5K6 744-7412
1688(P)imental John	K1B 5K6 741-6873
1690(L)epage G M	K1B 5K6 748-0783

BUSINESSES 3 HOUSEHOLDS 56

SCANLON DR (OS)

3301(H)arrington S	K0A 2W0 826-0714
3307(B)runet L & R	K0A 2W0 826-0658
3313(D)ettore John	K0A 2W0 826-1340
3318(M)c Clellan Stephen	K0A 2W0 826-0596
3324(C)osman Donald W	K0A 2W0 826-0891
3336(R)athwell Bill	K0A 2W0 826-1629
3342(K)ealey C & S	K0A 2W0 826-0684
3343(S)pring Chris & Louise	K0A 2W0 826-1100
3349(G)oodenough J Arthur	K0A 2W0 826-1334
(S)wift C	K0A 2W0 826-1334
3360(D)owney C	K0A 2W0 826-0111
3361(G)randville D	K0A 2W0 826-1690
(G)ranville Tom & Karen	K0A 2W0 826-1661
3366(K)ennaway J S	K0A 2W0 826-0867
3367(A)ndrew David	K0A 2W0 826-1167
3372(S)tewart I	K0A 2W0 826-0799
3373(L)arocque Christine	K0A 2W0 826-1216
3378(P)elletier P J	K0A 2W0 826-1441
3379(G)authier M	K0A 2W0 826-0844
3384(C)hapman Kenneth L	K0A 2W0 826-0853
3385(A)llard R J	K0A 2W0 826-0975
3390(F)orsythe D G	K0A 2W0 826-0471
3391(R)eaney B W	K0A 2W0 826-2683
3396(W)right S & J	K0A 2W0 826-0436

1997 SWEETNAM DR

SOURCE: POLKS

SUPERIOR CRT *cont'd*

Address		Phone
	Brown Randy ☑	K1C 6G8 834-2650
1377	Mott David ☑	K1C 6G6 834-3145
	Mott Peter ☑	K1C 6G6 824-5452
1379	Dean Gordon R ☑	K1C 6G6 841-7783
1381	Ⓟ Parent D	K1C 6G6 824-7464
1383	Lavergne Aurele ☑	K1C 6G6 824-2336
1385	Sato Paul ☑	K1C 6G6 837-9833
1387	Ⓧ Levesque Pat	K1C 6G6 830-6031
	Levesque Roger ☑	K1C 6G6 830-3049
1389	Noel Marcel ☑	K1C 6G7 824-7489

HOUSEHOLDS 13

SURREY LANE *(K)*

102	Connolly M ☑	K2L 1H8 831-1159

HOUSEHOLDS 1

SUTHERLAND DR *(M)*

1379	Palmerio Joseph ☑	K4M 1B3 692-2392
1393	Fletcher R R ☑	K4M 1B3 692-4927

HOUSEHOLDS 2

SWANS WAY *(G)*

15	Ⓝ Bijoor S	K1J 8W7 749-5191
20	Ⓝ Escaravage D & C	K1J 6H9 747-8060
24	Ⓝ Vijay Hari	K1J 6H9 748-7264
28	Ⓝ Khan F R	K1J 6H9 749-9316
29	Ⓝ Demink-Borst L	K1J 6H8 747-2205
	Ⓝ Demink-Borst L W	K1J 6H8 747-1459
32	Ⓝ Babchishin W C	K1J 6H9 744-5519

HOUSEHOLDS 7

N SWANS WAY *(G)*

1	Ⓝ Agis Ayaz	K1J 6J1 744-6729
2	Ⓝ Fouda Aly	K1J 6J2 741-4255
3	Ⓝ Bevilacqua M & E	K1J 6J1 742-8343
4	Ⓝ Rizk Michael & Miranda	K1J 6J2 746-9139
5	Ⓝ Hall Alex	K1J 6J1 745-2537
	Ⓝ Jackson Steve	K1J 6J1 745-2537

HOUSEHOLDS 6

S SWANS WAY *(G)*

10	Ⓝ Cooke B J	K1J 8X2 748-7958
15	Ⓝ Jobson G	K1J 8W7 747-7404

HOUSEHOLDS 2

SWEETNAM DR *(ST)*

7	DENNIS'S AUTO CENTRE	K2S 1G3 836-6485
8	CDS BUILDING MOVERS	K2S 1G2 836-1215
	CDS RENTAL SERVICE LTD	K2S 1G2 836-1215
	CDS STORE-ALL LTD	K2S 1G2 836-1223
	EQUINE COMMUNICATIONS	K2S 1G2 831-2928
	FRINGEWOOD HOMES	K2S 1G2 836-3005
	LAURENTIAN MOUNTAIN BUSINESS VENTURES SALES	K2S 1G2 836-6053
	M E D SERVI SYSTEMS CANADA LTD	K2S 1G2 836-3004
	MED-SERVI SYSTEMS CANADA LTD	K2S 1G2 836-3004
	STEPH-COM LTD	K2S 1G2 831-1275
	STORE-ALL LTD	K2S 1G2 836-1215
	Sweetnam J ☑	K2S 1G2 836-4578
	Ⓝ Watson J	K2S 1G2 831-4815
11	ABBOTSFORD TRUCK REPAIRS	K2S 1G3 836-2084
	JIM'S HITECH AUTO REPAIRS INC	K2S 1G3 831-1931
15	HAZELDEAN AUTO SERVICE INC	K2S 1G3 836-3025
	#607 CROMACK METAL	K2S 1G3 836-4426
513	CLIFF'S CAR CARE CENTRE	831-1549
600	GREEN DAVID PAINTING & DECORATING	836-5568

BUSINESSES 17 HOUSEHOLDS 2

SWIFT ST *(D)*

114	Ⓝ Kinsella M R	K0A 1T0 832-3247
115	WINDERMERE SERVICES	K0A 1T0 832-2046
	Ⓝ Cave T J	K0A 1T0 832-4204
118	Bacon E W ☑	K0A 1T0 832-2001
	Wallace J G ☑	K0A 1T0 832-4391
123	Knappers Wim ☑	K0A 1T0 832-4936
124	Durham P H ☑	K0A 1T0 832-3495
128	Ⓝ Anderson T L	K0A 1T0 832-3061

BUSINESSES 1 HOUSEHOLDS 7

SYCAMORE DR *(CU)*

1100	Ⓝ Forlin Jean P J	833-0917
1118	Ⓝ Owens B	833-0909
1124	Ⓝ Davis S	833-0935
1129	Ⓝ Lize P A	833-0933
1130	Ⓝ Yates R	833-0924
	Ⓝ Yates S	833-8391
1136	Ⓝ Baarda John	833-8334

HOUSEHOLDS 7

SYLVIE TERR *(O)*

268	Couture D ☑	K1E 3L8 824-9865
	Ⓝ Couture Donald	K1E 3L8 824-1351

SYLVIE TERR *cont'd*

Address		Phone
292	Ⓝ Allan Ross & Shirley	K1E 3L8 834-4493
293	Curry Syd ☑	K1E 3L8 841-0353
294	Misener Ralph A ☑	K1E 3L8 834-8946
295	Stanyer C ☑	K1E 3L8 834-7674
296	SHAKLEE AGENT	K1E 3M2 824-7754
	Desmarais Andre ☑	K1E 3M2 837-2269
297	Marleau P & C ☑	K1E 3M2 841-7922
298	Charbonneau Roch ☑	K1E 3M2 830-7741
300	Burke Lenus ☑	K1E 3M2 837-7210
301	Heyman James ☑	K1E 3M2 824-8896
302	Ⓝ Girard L	K1E 3M2 841-5416
303	Hullin Thomas ☑	K1E 3M2 837-7399
304	Baker Donald ☑	K1E 3M2 830-8041
305	Seguin A ☑	K1E 3M2 824-9168
306	Majdoub W ☑	K1E 3M2 834-4563
	Majdoub Walid ☑	K1E 3M2 841-6691
307	Charbonneau Rene ☑	K1E 3M2 824-2738

BUSINESSES 1 HOUSEHOLDS 18

TACHE WAY *(O)*

1612	Meighan R J ☑	K4A 2R7 837-1273
1614	Briggs G & L ☑	K4A 2R7 830-1572
1616	Landel Pierre ☑	K4A 2R7 837-0131
1618	Perrault Eric ☑	K4A 2R7 824-6954
1620	Beales D ☑	K4A 2R7 830-7244
1622	Ⓝ Whittle Grant & Martha	K4A 2R7 841-1978
1623	Jolie Ron ☑	K4A 2R8 834-7727
1625	Valks T ☑	K4A 2R8 824-4795
1627	Archambault Andre ☑	K4A 2R8 824-2645
1628	Mc Nicoll D ☑	K4A 2R8 824-4914
1629	Moran S ☑	K4A 2R8 834-6442
1630	Clark John ☑	K4A 2S1 830-7146
1631	Ⓝ Wentzell Keith	K4A 2S3 824-9541
1632	Delcellier John A ☑	K4A 2S1 830-7004
1634	Venasse P & M ☑	K4A 2S1 830-4241
1635	Goudie Terry & Greta ☑	K4A 2S3 830-3893
1636	Watson K ☑	K4A 2S1 824-0825
1637	Bryson R ☑	K4A 2S3 834-8548
1638	Major R & J ☑	K4A 2S1 834-2949
1639	Franklin D ☑	K4A 2S3 830-7103
1640	Holt R P ☑	K4A 2S1 830-8527
1642	Sharkey N C & R ☑	K4A 2S1 830-8213
1644	Leduc C ☑	K4A 2S1 837-1975
	Potvin J ☑	K4A 2S1 841-6325
1646	Ⓝ Caissie P	K4A 2S2 830-7180
1648	Sevigny Ron ☑	K4A 2S2 837-9719
1650	Lambert C ☑	K4A 2S2 830-7414
1652	Briard David & Leslie ☑	K4A 2S2 841-0016
1654	Roy Glenn ☑	K4A 2S2 830-9175
1656	Fournier L ☑	K4A 2S2 824-6577
1658	Lambourne L & M ☑	K4A 2S2 824-0059
1662	Gagnon C ☑	K4A 2S2 830-7057
1663	Ⓝ Loughrey J	K4A 2S3 834-9046
1664	Vincent R A ☑	K4A 2S3 837-0875
1665	Ⓝ Albert Danny	K4A 2S3 834-0629
	Laplante Gerald ☑	K4A 2S3 824-3312
	Laplante K ☑	K4A 2S3 824-3312
1666	Mullin Paul ☑	K4A 2S3 834-5136
1667	Desharnais P ☑	K4A 2T7 830-7743
1668	Bilik Alex ☑	K4A 2T6 824-5617
1669	Speevak D ☑	K4A 2T7 824-4467
1670	Morissette Carole E ☑	K4A 2T6 834-7842
	Walton Jann L ☑	K4A 2T6 834-7842
1671	Ⓝ Tremblay Jeff	K4A 2T7 841-8744
1672	Duquette D ☑	K4A 2T6 834-8080
1680	Ⓝ Merchant D	K4A 2T6 841-5178
1681	Ⓝ Veilleux Gilles	K4A 2T7 841-6750
1682	Beaudin Ghislain ☑	K4A 2T6 837-4092
1683	Crabtree Gerry ☑	K4A 2T6 830-9231
1686	Daley P ☑	K4A 2T3 830-1914
1687	Mc Donald J A W ☑	K4A 2T5 841-6989
1688	Sabourin Richard E ☑	K4A 2T3 830-9116
1689	Lavallee S & M ☑	K4A 2T5 824-8405
1690	Burke Dave ☑	K4A 2T3 830-8570
1691	Day D G ☑	K4A 2T5 834-7330
1692	Richard P ☑	K4A 2T3 830-9366
1693	Wyonch K ☑	K4A 2T5 834-7118
1694	Perkins M ☑	K4A 2T3 824-0721
1695	Ⓝ Holmes L K	K4A 2T5 837-1691
	Ⓝ Mc Koy R	K4A 2T5 837-0119
1696	Martineau A ☑	K4A 2T3 830-2005
	Martineau Allan ☑	K4A 2T3 837-2234
1697	Ⓝ Scully Patrick	K4A 2T5 830-9627
1698	Verdon Paul ☑	K4A 2T3 830-3498
1700	Flynn G R ☑	K4A 2T3 824-9867
1701	Charney Richard ☑	K4A 2T5 837-8450
1702	Cholette Denis ☑	K4A 2T4 837-1133
	Ⓝ Dorval Pierre	K4A 2T4 830-5488
1703	Ⓝ Labranche S	K4A 2T5 824-3446
1704	Audette D ☑	K4A 2T4 830-9310
	Audette P ☑	K4A 2T4 841-8445
1705	Maurice Mario D ☑	K4A 2T5 837-1156
1706	Maclean M ☑	K4A 2T4 830-8101
1707	Gervais Jean-Claude ☑	K4A 2T5 824-9784
1708	Olshesie B ☑	K4A 2T4 837-2249
1710	Mader L ☑	K4A 2T4 830-1939
1712	Carr J C ☑	K4A 2T4 824-0390
1714	Dupre Claude ☑	K4A 2T4 830-3085
1715	Shaw H ☑	K4A 2T5 830-3154
1716	Maillet Tom ☑	K4A 2T4 824-1841
1717	Bisson R ☑	K4A 2T5 830-4956
1719	Chan Nelson ☑	K4A 2T5 837-7327
1720	Chestnut R ☑	K4A 2T5 824-3606
1721	COUNTRY KITCHEN CATERING	K4A 2T2 834-9258
	Loan S F ☑	K4A 2T2 837-6908
1722	Bourdeau Paul G ☑	K4A 2S9 824-8301
1723	Graff Larry ☑	K4A 2T2 834-2941
1724	Plourde John ☑	K4A 2S9 824-3192
1725	Ⓝ Vermette Gerald	K4A 2T2 834-4650
1726	Mc Donald Brendan P ☑	K4A 2S9 830-6514
1728	Luff M ☑	K4A 2S9 824-1124
	Savard L ☑	K4A 2S9 824-1124
1729	Ⓝ Kiley J	K4A 2T2 837-4158
	Kiley Kevin ☑	K4A 2T2 837-4688
1730	Donovan Donald ☑	K4A 2S9 837-8916
1731	Grondin J ☑	K4A 2T2 837-0295
1732	O'Brien C & R ☑	K4A 2S9 830-9294
1733	Menard A ☑	K4A 2T2 830-5124

1994 HAZELDEAN ROAD

SOURCE: MIGHTS

RANGE NOT LISTED

1994 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1994 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1991 HAZELDEAN ROAD

SOURCE: MIGHTS

RANGE NOT LISTED

1991 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1991 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1987 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1987 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1987 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1981-82 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1981-82 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1981-82 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1976 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1976 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1976 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1971 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1971 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1971 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1966 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1966 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1966 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1960 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1960 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1960 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

APPENDIX F

City Directory

CITY DIRECTORY

Project Property:	*104054.001* *5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive* *Ottawa,ON K2S 1B9*
Project No:	
Requested By:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Order No:	*24111800922*
Date Completed:	*December 09, 2024*

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

December 09, 2024
RE: CITY DIRECTORY RESEARCH
5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive
Ottawa,ON K2S 1B9

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:

5835-5925 of Hazeldean Road

1-20 of Savage Drive

1-15 of Sweetnam Dr

Search Notes:

Search Results Summary

Data from 2012 to 2017 does not include residential information

Date	Source	Comment
2023	DIGITAL BUSINESS DIRECTORY	
2021	DIGITAL BUSINESS DIRECTORY	
2017	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006-07	VERNONS	
2000	POLKS	
1997	POLKS	
1994	MIGHTS	
1991	MIGHTS	
1987	MIGHTS	
1981-82	MIGHTS	
1976	MIGHTS	
1971	MIGHTS	
1966	MIGHTS	
1960	MIGHTS	

2023 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5835	**AUTO MALL LOANS**...*LOANS*
5835	**AVIS**...*AUTOMOBILE RENTING & LEASING*
5835	**BUDGET CAR RENTAL**...*AUTOMOBILE RENTING & LEASING*
5862	**ALAIN DION**...*RESIDENTIAL*
5862	**KANATA COLLISION**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
5862	**KANATA COLLISION**...*AUTOMOBILE GLASS-SERVICE & INSTALLATION*
5862	**KANATA GRANITE**...*GRANITE (WHOLESALE)*
5862	**PENSKE TRUCK RENTAL**...*TRUCK RENTING & LEASING*
5872	**WESTEND AUTOMOTIVE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
5872	**WESTEND AUTOMOTIVE**...*MOTOR VEHICLE DEALERS-USED ONLY*
5877	**M WEBB**...*RESIDENTIAL*
5877	**R DUFFIELD**...*RESIDENTIAL*
5879	**R EREUSON**...*RESIDENTIAL*
5883	**OTTAWA-HULL CAMBODIAN BUDDHIST**...*RELIGIOUS ORGANIZATIONS*
5891	**IMAGINATION STATION PRESCHOOL**...*CHILD CARE SERVICE*
5899	**MR GAS**...*SERVICE STATIONS-GASOLINE & OIL*
5899	**MR GAS**...*CONVENIENCE STORES*
5899	**WAYPOINT CONVENIENCE**...*CONVENIENCE STORES*
5900	**CORKS WINERY**...*WINE MAKERS' EQUIPMENT & SUPPLIES*
5903	**DR DO DENTAL**...*DENTISTS*
5906	**STITTSVILLE WINDOW DOORS**...*DOORS-METAL-MANUFACTURERS*
5906	**STITTSVILLE WINDOW DOORS**...*SCREENS-DOOR & WINDOW*
5912	**ANDREA BARTELS REGISTERED**...*DIETITIANS*
5912	**KANATA COUNSELLING SVC**...*MARRIAGE & FAMILY COUNSELORS*
5912	**KANATA COUNSELLING SVC**...*PSYCHOTHERAPISTS*
5912	**MAC CHARLES CHARLYNNE**...*MARRIAGE & FAMILY COUNSELORS*
5912	**MOORE MASSAGE THERAPY**...*MASSAGE THERAPISTS*
5912	**MOORE MASSAGE THERAPY**...*CHIROPRACTORS DC*
5915	**CARNIVALE LUNE BLUE SOLUTIONS**...*TAX CONSULTANTS*
5915	**TAN JESSICA L DDS**...*DENTISTS*
5915	**TAN ORTHODONTICS**...*DENTISTS*
5923	**JAMEEL LALJI DESJARDINS INS**...*INSURANCE*
5923	**JAMEEL LALJI DESJARDINS INS**...*INSURANCE CONSULTANTS & ADVISORS*
5923	**LALJI JAMEEL AGT**...*INSURANCE CONSULTANTS & ADVISORS*
5923	**LALJI JAMEEL AGT**...*INSURANCE-HOMEOWNERS*

2023 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2	**B MARTYNIUK**...*RESIDENTIAL*
2	**CHIRO ACTIVE**...*CHIROPRACTORS DC*
2	**M SAJIW**...*RESIDENTIAL*
7	**M CORCORAN**...*RESIDENTIAL*
8	**L ROSENE**...*RESIDENTIAL*
9	**C GOYETTE**...*RESIDENTIAL*
10	**S STAFFORD**...*RESIDENTIAL*
15	**DENIS BRUYERE**...*RESIDENTIAL*
16	**R MERSEREAU**...*RESIDENTIAL*
17	**LISA GALE**...*RESIDENTIAL*
18	**N REPIC**...*RESIDENTIAL*
19	**J CARDO**...*RESIDENTIAL*
20	**M MILLER**...*RESIDENTIAL*

2023 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

1 **CROMACK METAL**...*RAILINGS*
1 **CROMACK METAL**...*STEEL-STRUCTURAL (MANUFACTURERS)*
3 **VISION IRON WORKS**...*NONCLASSIFIED ESTABLISHMENTS*
7 **CANADIAN EXPRESS REPAIR**...*AUTOMOBILE BODY-REPAIRING & PAINTING*
7 **CENTRUM GLASS DOOR**...*GLAZIERS*
7 **CENTRUM GLASS DOOR**...*GLASS-AUTO PLATE & WINDOW & ETC*
7 **DENNIS'S AUTO CTR**...*AUTOMOBILE REPAIRING & SERVICE*
8 **CDS RENTAI SVC LTD**...*STORAGE-HOUSEHOLD & COMMERCIAL*
8 **GENCHER REALTY APPRAISALS**...*APPRAISERS*
8 **GENCHER REALTY APPRAISALS**...*AUTOMOBILE APPRAISERS*
8 **GENCHER REALTY APPRAISALS**...*REAL ESTATE DEVELOPERS*
8 **J SWEETNAM**...*RESIDENTIAL*
8 **OTTAWA CRANIOSACRAL**...*ALTERNATIVE MEDICINE*
8 **PAC BOOKKEEPING ACCOUNTING**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*
8 **PBC SWEETNAM HOLDINGS INC**...*HOLDING COMPANIES (NON-BANK)*
8 **THINK AGENCY**...*NONCLASSIFIED ESTABLISHMENTS*
8 **UPRIGHT CLAIMS SVC LTD**...*INSURANCE ADJUSTERS*
11 **AUTOVATION INC**...*TRANSMISSIONS-AUTOMOBILE*
11 **AUTOVATION INC**...*AUTOMOBILE REPAIRING & SERVICE*
11 **C ERITOU**...*RESIDENTIAL*
11 **CONEY SMAL ENGINE REPAIR**...*LAWN MOWERS*
11 **CONEY SMAL ENGINE REPAIR**...*ENGINES-REBUILDING & EXCHANGING*
11 **ERCON WELDING INC**...*WELDING*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE REPAIRING & SERVICE*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE UNDERCOATING & RUSTPROOFING*
15 **BRUCE'S AUTO EQPT REPAIRS**...*AUTOMOBILE REPAIRING & SERVICE*
15 **CROMACK METAL**...*RAILINGS*
15 **CROMACK METAL**...*CONCRETE EQUIPMENT & SUPPLIES (WHLS)*
15 **CROMACK METAL**...*GRATINGS (MFRS)*
15 **CROMACK METAL**...*STEEL-DISTRIBUTORS & WAREHOUSES (WHLS)*
15 **PEARL AUTO CARE**...*AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW*
15 **PEARL AUTO CARE**...*AUTOMOBILE DETAIL & CLEAN-UP SERVICE*

2021 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5835 **AVIS RENT A CAR**...*AUTOMOBILE RENTING*
5835 **BUDGET RENT A CAR**...*AUTOMOBILE RENTING*
5862 **KANATA COLLISION**...*AUTOMOBILE REPAIRING & SERVICE*
5862 **KANATA COLLISION**...*GLASS-AUTO PLATE & WINDOW & ETC*
5862 **KANATA GRANITE**...*GRANITE (WHLS)*
5872 **WESTEND AUTOMOTIVE**...*AUTOMOBILE DEALERS-USED CARS*
5872 **WESTEND AUTOMOTIVE**...*AUTOMOBILE REPAIRING & SERVICE*
5877 **M WEBB**...*RESIDENTIAL*
5877 **R DUFFIELD**...*RESIDENTIAL*
5879 **R EREUSON**...*RESIDENTIAL*
5883 **OTTAWA-HULL CAMBODIAN BUDDHIST**...*RELIGIOUS ORGANIZATIONS*
5891 **IMAGINATION STATION PRESCHOOL**...*CHILD CARE SERVICE*
5899 **MR GAS**...*CONVENIENCE STORES*
5899 **MR GAS**...*ALTERNATIVE FUELS*
5900 **CORKS WINERY**...*WINE MAKERS' EQUIPMENT & SUPPLIES*
5903 **DR DO DENTAL**...*DENTISTS*
5906 **STITTSVILLE WINDOW DOORS**...*GLASS-AUTO PLATE & WINDOW & ETC*
5906 **STITTSVILLE WINDOW DOORS**...*SCREENS-REPAIRING*
5912 **KANATA COUNSELLING SVC**...*COUNSELING SERVICES*
5912 **KANATA COUNSELLING SVC**...*ALCOHOLISM INFORMATION & TREATMENT CTRS*
5912 **KANATA COUNSELLING SVC**...*MARRIAGE & FAMILY COUNSELORS*
5912 **MAC CHARLES CHARLYNNE**...*MARRIAGE & FAMILY COUNSELORS*
5912 **MOORE MASSAGE THERAPY**...*MASSAGE THERAPISTS*
5912 **MOORE MASSAGE THERAPY**...*ALTERNATIVE MEDICINE*
5915 **CARNIVALE LUNE BLUE SOLUTIONS**...*TAX CONSULTANTS*
5915 **TAN JESSICA L DDS**...*DENTISTS*
5915 **TAN ORTHODONTICS**...*DENTISTS*
5923 **JAMEEL LALJI DESJARDINS INS**...*INSURANCE*
5923 **JAMEEL LALJI DESJARDINS INS**...*FEDERAL GOVERNMENT CONTRACTORS*
5923 **LALJI JAMEEL AGT**...*INSURANCE-HOMEOWNERS*
5923 **LALJI JAMEEL AGT**...*FEDERAL GOVERNMENT CONTRACTORS*

2021 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2	**B MARTYNIUK**...*RESIDENTIAL*
2	**CHIRO ACTIVE**...*MASSAGE THERAPISTS*
2	**M SAJIW**...*RESIDENTIAL*
7	**M T CORCORAN**...*RESIDENTIAL*
8	**L ROSENE**...*RESIDENTIAL*
9	**C GOYETTE**...*RESIDENTIAL*
10	**S C STAFFORD**...*RESIDENTIAL*
11	**D J AMO**...*RESIDENTIAL*
15	**DENIS BRUYERE**...*RESIDENTIAL*
16	**R MERSEREAU**...*RESIDENTIAL*
17	**LISA GALE**...*RESIDENTIAL*
18	**N REPIC**...*RESIDENTIAL*
19	**J CARDO**...*RESIDENTIAL*
20	**M MILLER**...*RESIDENTIAL*

2021 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

1	**STITCH IT TO FIT IT**...*TAILORS*
1	**STITCH IT TO FIT IT**...*SCREEN PRINTING (MFRS)*
3	**VISION IRON WORKS**...*NONCLASSIFIED ESTABLISHMENTS*
7	**CANADIAN EXPRESS REPAIR**...*AUTOMOBILE REPAIRING & SERVICE*
7	**CENTRUM GLASS DOOR**...*GLASS-AUTO PLATE & WINDOW & ETC*
7	**CENTRUM GLASS DOOR**...*WINDOWS*
7	**DENNIS'S AUTO CTR**...*AUTOMOBILE REPAIRING & SERVICE*
7	**OTTAWA COVE CROWN MOULDING**...*HOME IMPROVEMENTS*
7	**OTTAWA COVE CROWN MOULDING**...*REMODELING & REPAIRING BLDG CONTRACTORS*
8	**CDS RENTAL SVC LTD**...*STORAGE*
8	**CDS RENTAL SVC LTD**...*MATERIAL HANDLING EQUIPMENT (WHLS)*
8	**GENCHER REALTY APPRAISALS**...*AUTOMOBILE APPRAISERS*
8	**GENCHER REALTY APPRAISALS**...*REAL ESTATE DEVELOPERS*
8	**GENCHER REALTY APPRAISALS**...*APPRAISERS*
8	**J SWEETNAM**...*RESIDENTIAL*
8	**PAC BOOKKEEPING ACCOUNTING**...*ACCOUNTING & BOOKKEEPING GENERAL SVC*
8	**PBC SWEETNAM HOLDINGS INC**...*ASSOCIATIONS*
8	**THINK AGENCY**...*NONCLASSIFIED ESTABLISHMENTS*
8	**UPRIGHT CLAIMS SVC LTD**...*INSURANCE ADJUSTERS*
11	**AUTOVATION INC**...*TRANSMISSIONS-AUTOMOBILE*
11	**AUTOVATION INC**...*AUTOMOBILE REPAIRING & SERVICE*
11	**C ERITOU**...*RESIDENTIAL*
11	**CONEY SMALL ENGINE REPAIR**...*LAWN & GROUNDS MAINTENANCE*
11	**CONEY SMALL ENGINE REPAIR**...*AUTOMOBILE REPAIRING & SERVICE*
11	**ERCON WELDING INC**...*WELDING*
11	**JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE UNDERCOATING & RUSTPROOFING*
11	**JIM'S HI TECH AUTO REPAIRS INC**...*AUTOMOBILE REPAIRING & SERVICE*
11	**U-HAUL NEIGHBORHOOD DEALER**...*TRUCK-DEALERS-USED*
11	**U-HAUL NEIGHBORHOOD DEALER**...*BOXES-CORRUGATED & FIBER (WHLS)*
15	**BRUCE'S AUTO EQPT REPAIRS**...*AUTOMOBILE REPAIRING & SERVICE*
15	**CROMACK METAL**...*CONCRETE EQUIPMENT & SUPPLIES (WHLS)*
15	**CROMACK METAL**...*STEEL-DISTRIBUTORS & WAREHOUSES (WHLS)*
15	**CROMACK METAL**...*RAILINGS*
15	**CROMACK METAL**...*GRATINGS (MFRS)*
15	**DEPENDABLE BODYWORKS**...*AUTOMOBILE REPAIRING & SERVICE*
15	**PEARL AUTO CARE**...*BOAT REPAIRING*
15	**PEARL AUTO CARE**...*AUTOMOBILE REPAIRING & SERVICE*

2017 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5862 **CANATA COLLISION**...*AUTOMOTIVE GLASS REPLACEMENT SHOPS*
5862 **K C AUTO GLASS**...*OTHER BUILDING MATERIAL DEALERS*
5862 **KANATA COLLISION**...*OTHER BUILDING MATERIAL DEALERS*
5872 **WESTEND AUTOMOTIVE**...*USED CAR DEALERS*
5872 **WESTEND AUTOMOTIVE**...*AUTOMOTIVE PARTS & ACCESSORIES STORES*
5883 **OTTAWA-HULL CAMBODIAN BUDDHIST**...*RELIGIOUS ORGANIZATION*
5883 **TOLE ATTIC**...*HOBBY, TOY, & GAME STORES*
5891 **IMAGINATION STATION PRESCHOOL**...*CHILD DAY CARE SVCS*
5899 **MR GAS**...*CONVENIENCE STORES*
5899 **MR GAS**...*OTHER GASOLINE STATIONS*
5900 **CORKS WINERY**...*STORE RETAILERS NOT SPECIFIED ELSEWHERE*
5903 **DR DO DENTAL**...*OFFICES OF DENTISTS*
5903 **THI-NHU MAI DDS**...*OFFICES OF DENTISTS*
5906 **STITTSVILLE WINDOWS DOORS**...*OTHER BUILDING MATERIAL DEALERS*
5906 **STITTSVILLE WINDOWS DOORS**...*METAL WINDOW & DOOR MFG*
5912 **KANATA COUNSELLING SVC**...*OTHER INDIVIDUAL & FAMILY SVCS*
5912 **KANATA COUNSELLING SVC**...*OFFICES OF MENTAL HEALTH PRACTITIONERS*
5912 **MAC CHARLES CHARLYNNE**...*OTHER INDIVIDUAL & FAMILY SVCS*
5912 **MOORE CHIROPRACTIC HEALTH CTR**...*OFFICES OF CHIROPRACTORS*
5912 **MOORE CHIROPRACTIC HEALTH CTR**...*MISC AMBULATORY HEALTH CARE SVCS*
5915 **CARNIVALE LUNE BLEUE SOLUTIONS**...*OTHER ACCOUNTING SVCS*
5915 **TAN TAN**...*OFFICES OF DENTISTS*

2017 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2 **CHIRO ACTIVE**...*CHIROPRACTORS DC*
2 **YOU NEED A WRAP**...*BEAUTY SALONS*

2017 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

3 **PBC SWEETNAM HOLDINGS**...*FULLSERVICE RESTAURANTS*
7 **CANADIAN EXPRESS REPAIR**...*AUTOMOTIVE BODY & INTERIOR REPAIR*
7 **CENTRAL PLUMBING**...*PLUMBING & HVAC CONTRS*
7 **CENTRUM GLASS DOOR**...*OTHER BUILDING MATERIAL DEALERS*
7 **CRYPTAUTO CARE**...*GENERAL AUTOMOTIVE REPAIR*
7 **DENNIS'S AUTO CTR**...*GENERAL AUTOMOTIVE REPAIR*
7 **OTTAWA COVE CROWN MOULDING**...*LUMBER & WOOD MERCHANT WHOLS*
8 **CDS RENTAL SVC**...*OTHER SPECIALIZED TRUCKING, LONGDISTANCE*
8 **CDS STORE-ALL LTD**...*MINIWAREHOUSE & SELF-STORAGE UNIT OPERATORS*
8 **GENCHER REALTY APPRAISALS**...*OFFICES OF REAL ESTATE APPRAISERS*
8 **O C REHABILITATION HEALTH CR**...*VOCATIONAL REHABILITIATION SVCS*
8 **PAC BOOKKEEPING ACCOUNTING**...*OTHER ACCOUNTING SVCS*
8 **PBC SWEETNAM HOLDINGS INC**...*OTHER SPECIALIZED TRUCKING, LONGDISTANCE*
8 **POTENCIA TECHNOLOGIES INC**...*INFORMATION SYSTEM CONSULTANTS*
8 **PROBEX INVESTIGATIONS INC**...*INVESTIGATION SVCS*
8 **PROPERTY TAX REVIEW SVC**...*OTHER ACCOUNTING SVCS*
11 **AUTOVATION INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **AUTOVATION INC**...*AUTOMOTIVE TRANSMISSION REPAIR*
11 **CONEY SMALL ENGINE REPAIR**...*OUTDOOR POWER EQUIP STORES*
11 **CONEY SMALL ENGINE REPAIR**...*GENERAL AUTOMOTIVE REPAIR*
11 **ERCON WELDING INC**...*WELDING*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **RUST BLOCK**...*GENERAL AUTOMOTIVE REPAIR*
11 **U-HAUL NEIGHBORHOOD DEALER**...*ALL OTHER CONSUMER GOODS RENTAL*
11 **U-HAUL NEIGHBORHOOD DEALER**...*TRUCK, TRAILER, & RV RENTAL & LEASING*
15 **BRUCE'S AUTO EQUIPMENT RPRS**...*GENERAL AUTOMOTIVE REPAIR*
15 **CROMACK METAL**...*FABRICATED STRUCTURAL METAL MFG*
15 **CROMACK METAL**...*OTHER HOUSEHOLD GOODS REPAIR & MAINTENANCE*
15 **DEPENDABLE BODYWORKS**...*AUTOMOTIVE BODY & INTERIOR REPAIR*
15 **PEARL AUTO CARE**...*CAR WASHES*
15 **PEARL AUTO CARE**...*AUTOMOTIVE PARTS & ACCESSORIES STORES*

2012 HAZELDEAN ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

5862 **K C AUTO GLASS**...*OTHER BUILDING MATERIAL DEALERS*
5862 **LINDRON EQUIPMENT INC**...*NEW MOTOR VEHICLE PARTS MERCHANT WHOLS*
5872 **WESTEND AUTOMOTIVE**...*USED CAR DEALERS*
5883 **OTTAWA-HULL CAMBODIAN BUDDIST**...*RELIGIOUS ORGANIZATION*
5883 **TOLE ATTIC**...*HOBBY, TOY, & GAME STORES*
5891 **CAO, CHARLES DDS**...*OFFICES OF DENTISTS*
5899 **MR GAS**...*OTHER GASOLINE STATIONS*
5900 **CORKS WINERY**...*STORE RETAILERS NOT SPECIFIED ELSEWHERE*
5903 **ACCREDITED APPRAISAL SVC**...*OFFICES OF REAL ESTATE APPRAISERS*
5912 **KANATA COUNSELLING SVC**...*OTHER INDIVIDUAL & FAMILY SVCS*
5912 **MOORE CHIROPRACTIC HEALTH CTR**...*OFFICES OF CHIROPRACTORS*
5915 **TAN & TAN**...*OFFICES OF DENTISTS*
5915 **VAN DE GRAAFF INTL ASSIGNMENT**...*OTHER ACCOUNTING SVCS*

2012 SAVAGE DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

2 **YOU NEED A WRAP**...*BEAUTY SALONS*

2012 SWEETNAM DR

SOURCE: DIGITAL BUSINESS DIRECTORY

7 **CENTRUM GLASS & DOOR**...*OTHER BUILDING MATERIAL DEALERS*
7 **DENNIS'S AUTO CTR**...*GENERAL AUTOMOTIVE REPAIR*
7 **MINIMAN**...*USED CAR DEALERS*
7 **STITTSVILLE DOOR & MOULDING**...*RESIDENTIAL REMODELERS*
8 **CDS BUILDING MOVERS**...*OTHER SPECIALIZED TRUCKING, LONG-DISTANCE*
8 **CDS STORE-ALL LTD**...*MINIWAREHOUSE & SELF-STORAGE UNIT OPERATORS*
8 **GENCHER REALTY APPRAISALS**...*OFFICES OF REAL ESTATE APPRAISERS*
8 **JAY D ALLEN & ASSOC**...*ALL OTHER INFORMATION SVCS*
8 **PROBEX INVESTIGATIONS INC**...*INVESTIGATION SVCS*
8 **PROJECT MANAGEMENT PRODCTVTY**...*OFFICE ADMINISTRATIVE SVCS*
11 **AUTOVATION INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **CENTRAL PLUMBING**...*PLUMBING & HVAC CONTRS*
11 **CONEY SMALL ENGINE REPAIR**...*GENERAL AUTOMOTIVE REPAIR*
11 **DAVIES LOT MAINTENANCE**...*ALL OTHER SPECIALTY TRADE CONTRS*
11 **JIM'S HI TECH AUTO REPAIRS INC**...*GENERAL AUTOMOTIVE REPAIR*
11 **U-HAUL CO LTD**...*TRUCK, TRAILER, & RV RENTAL & LEASING*
15 **BRUCE'S AUTO & EQUIPMENT RPRS**...*GENERAL AUTOMOTIVE REPAIR*
15 **CROMACK METAL**...*FABRICATED STRUCTURAL METAL MFG*
15 **DEPENDABLE BODYWORKS**...*AUTOMOTIVE BODY & INTERIOR REPAIR*
15 **EXTREME SPECIALTIES**...*GENERAL AUTOMOTIVE REPAIR*
15 **TIM BENGER PAINTING & DECOR**...*PAINT & WALL COVERING CONTRS*

2006-07 HAZELDEAN ROAD

SOURCE: VERNONS

(2) -- Provence La ▲836-8838
X 9 Maroosis G Dr ▲836-2433
501 Units
(1) -- Carvery The ▲831-2591
X -- Davis Grocery ▲831-7064
(8) -- Brig Pub The ▲831-9111
(1) -- Soprano's Pizza ▲831-9191
■ -- Wavelength ▲836-7171
X -- Three Bags Full ▲836-7621
Consignment Shop
(4) -- Greek Palace ▲836-8855
■ -- Women's World ▲836-9918
3)510 Restaurants ▲831-1143
McDonald's
2)510 Mattress Mart ▲831-9701
2)510 PJ- M2R Restaurant ▲836-3931
Inc
5)560 Kevin Haime Golf ▲591-0006
Centre
2)560 Peter Haime Best In ▲592-4222
Golf
5)590 Pilon Gilles 831-6547
X590 Craig Eldon 836-2654
X5654 Guardsman ▲831-6300
Insurance Services
Inc
2)5912 Moore Chiropractic ▲831-8374
Health Centre
2)5912 Moore Jim Dr ▲831-8374
HAZELDEAN RD (STITTSVILLE)
5)5654 D'Aoust R 836-1629
3)5654 Watson K 836-4355
X5734 Sweetnam D 831-7162
X5734 Sweetnam D M 836-3179
X5734 Holmes D&A 836-3525
5816 Units
■ -- Cabotto John ▲592-3097
Tavern & Rest
2) -- Cabotto Tavern & ▲592-3097
Restaurant
1) -- Cabotto's ▲592-3097
Restaurant
2) -- Cabotto's ▲836-1665
Restaurant
X5830 Alfonsetti's ▲831-3008
Ristorante Italiano
2)5862 Kanata Collision ▲831-3397
■5872 Westend Automotive ▲836-6786
X5877 Johnston Glen H 831-0103
2)5879 Taggart R 831-6863
7)5879 Escape Esthetics ▲836-3671
■5883 Ottawa-Hull 836-0938
Cambodian Buddhist
Assoc
X5884 Townson Robt 836-4242
6)5891 Cao C 831-0882
5)5891 Cao Charles Dr ▲831-2365
3)5899 Mr Gas 004 ▲836-2769
■5900 Corks Winery ▲831-6603
1)5903 Kirk David 836-0696
2)5915 Tan Jessica L Dr ▲831-6511
2)5915 Tan Sharleen F Dr ▲831-6511
1)5915 Van De Graaff- ▲836-9281
International
Assignment Solutions
X5923 Loates T R 836-3775
■5927 Benson A 831-7426
5931 Units
3) -- Martinuk Kim ▲831-1799
3) -- State Farm ▲831-1799
Insurance Companies
■ -- Kandestix ▲831-9235
4) -- Kanata Bead & ▲831-9561
Craft Company
X5933 Cantusci Frank ▲836-3541
Upholstery
X5933 Frank Cantusci ▲836-3541
Upholstery
3)5938 Saab Gas Centre ▲836-3156
5977 Units
2) -- Electec Limited ▲836-0300
1) -- Ultralx Wire And ▲836-1722
Cables Inc
2) -- Hytec Products Inc ▲836-3100
2) -- NCI Network ▲836-7401
Cabling Installations
Ltd
7) -- Trilum ▲836-8060
Converting
Corporation
3)5986 Therien Jiu-Jitsu ▲831-3622
& Kickboxing
■5986 Therien Jiu-Jitsu & ▲831-3622
Kickboxing
1)5992 McGlade Financial ▲831-8884
Service
1)5992 Quigley Kelly ▲836-5626
Chartered Accountants
2)6001 Rona Cashway ▲831-7775
Building Centres
X6043 Bradley Arnold 836-2215
X6174 Stittsville Market ▲836-5616
5)6176 Antuse Studios ▲836-8809
6178 Units
■ -- Kavanagh Family ▲831-1927
Investments
■ -- Auction Canada ▲836-5612
■ -- Stittsville Flea ▲836-5612
Market
■ -- Stittsville Market ▲836-5612
■ -- Stittsville ▲836-5616
Farmers Market
3)6231 Salon Craft ▲836-1107
Services Ltd
X6310 Foran R V's Ltd ▲831-8313
7)6463 Drawn S 836-4334
X6640 Excelsior Truck & ▲836-7333
Trailer Leasing
X6640 Triple K Transport ▲836-7333
Ltd
X6775 Permacon Ottawa ▲836-6238
■6801 Bouchard C 836-9492
X6815 Tighe Peter 836-1165
X6950 Stu Phal 831-1962
7)6960 Van Lunen T 836-3144
HAZELGROVE CH (CHELSEA)
7)8 Hopkins N J Dr 827-2243
7)12 Murray Patrick J 827-1944
HAZELWOOD WAY
■1 Maria Raymond 692-0346
3)3 Etue Greg 692-0006
HEADINGLY CRES (NEPEAN)
X3 Heffernan F W 224-9566
8)4 Garland G 225-8224
■5 Roska E 224-5875
X6 Best A J 225-1721
X9 Millimore D D 723-1576
5)10 Curran Scott&Mary 727-6131
X11 Beckstead Gordon R 226-7400
X13 McKee John D 226-6994
X15 Barclay Paul 723-8566
15 Apartments
X Bsmt Barclay Ian 723-0370
X16 Lynch V S 226-6691
X17 Peever Douglas R 226-7057
3)18 Fowler R R 225-6070
X19 Clermont Maurice 226-7122
X20 Roger John T 226-6542
3)22 Seeler N 224-4393
1)25 Roy V 225-0585
X27 Ventura L A 226-8354
X31 McGelrick R E 226-8430
33 Chislett P&J 225-8458
HEALY AVE E (STITTSVILLE)
2)3 Downie Ian 836-9123
8)5 Poirier Moe&Leigh A 831-2011
1)6 Chapman M&S 836-0845
8)9 Game Felix 831-2998
3)10 Cochrane Brian 831-1875
8)11 Augsten Rainer 831-2763
8)12 Sczygiel Peter 831-0915
8)14 Volkmer V A 831-2756
8)15 Hurdman D 831-2757
8)16 Volkmer Stephen 831-2758
3)17 Lavallee Robert 831-4694
8)18 Barnett D N LCol 831-0189
1)19 Cabrera A&V 831-8566
■22 Lemieux C 831-9264
3)24 Brisson G&L 836-0048
8)36 Marshall Brian&Luba 836-3845
8)38 Mckibbon Wayne 831-2771
■41 Godin P 836-6554
HEALY AVE W (STITTSVILLE)
4)7 Moore K 831-9639
5)9 Snowdon Robert L ▲831-2751
8)15 Lafortune Robert 831-2764
8)16 Curry M 831-2028
8)17 Fanning Frank 831-1675
8)18 Downes L F 831-2765
8)19 Drummond Mac 831-2766
3)20 Caba Wm 831-2767
2)24 Jackson D J 831-7657
HEARNS CRES (STITTSVILLE)
■1 Cherry Stephen ▲836-8340
7)1 Cherry Stephen&Paula 836-8342
8)2 Fitch J&W 831 7034
4 Keating S 836-7480
4 Odendaal F 836-7480
6)5 Shah Amr&Julie 836-8175
■6 Preeper D 836-0224
8)7 Dunn Paul 836-1525
5)8 Gladstone R 831-0005
■9 Holly E&J 836-2742
X10 Copeland E 836-6169
8)11 Mc Bride L 831-9053
5)11 McBride C 836-7895
8)12 Penner John&Carmyn 831-8106
4)14 Burnett T&M 831-1605
■16 Levesque F 836-5962
HEARST WAY (KANATA)
■8 Edwards Enlite De GE ▲254-7422
Securite
■8 Edwards Part Of GE ▲254-7422
Security
■8 GE Security ▲591-0762
■10 Intergrated Security ▲591-6085
X10 Norpak Corporation ▲592-4164
3)10 Precidia ▲592-7557
Technologies Inc
3)66 Colonial Fuiniture ▲599-5666
Co (Ottawa) Ltd
6)101 Carson A 592-2334
1)103 Arthurs C&K 254-8917
■103 We Care Home Health ▲592-1182
Services
3)105 Edmunds D 254-9420
■105 Empirix ▲599-6757
5)107 Kellett H 599-0605
6)109 Reid K 271-7091
3)111 Baxter R 599-9379
■113 Durr Stephen 270-8512
2)115 Anderson T L 254-8523
3)119 Korim A 599-1370
6)121 Tinklin E R 592-3671
6)123 Aucoin M 591-9833
6)125 Au Coin 591 1759
Suzanne&John
■127 Carroll M 963-0033
1)129 Kang J 270-8695
6)129 Coons G 836-6981
6)131 Bowyer B 271-8902
6)133 France R D 592-5951
6)135 Visser S 599-9683
6)137 Larocque D 599-6898
6)139 Henn P 271-8404
2)141 Masse M 270-1450
6)143 Davyduck Robert H 599-0908
6)143 Drost J 599-6033
6)143 van Draanen A&E 599-6033
6)145 Ohmayer T&K 271-8587
3)149 Kerluke J 270-1181
2)151 Ratcliffe J 254-8577
7)151 Macdonald M E 591-3146
7)153 Read M 599-4094
3)155 Malek M 270-9419
1)157 Martin Fred 591-8650
7)159 Bogue Tracey M 592-6540
7)159 Hayden E 592-6540

2006-07 SAVAGE DRIVE

SOURCE: VERNONS

X1915 Judek Stan 526-1341
1917 Judek B 733-8177
X1919 Corkery J K 731-0786
X1921 Ross J A 526-0809
X1925 Collins J D 739-9709
X1927 Kearns Bert 731-3568
X1931 Chasse Marc 737-4928
3)1937 Stone L 523-2507
3)1937 Lyons J A 738-7924
1)1940 Tennyson P 523-3561
3)1940 Churches Roman ▲733-4661
Catholic (Ottawa)
3)1940 Resurrection Of ▲733-4661
Our Lord
X1953 Teed C R 731-8767
3)1957 Wilkinson L 731-0913
6)1960 Berthe H 731-2214
7)1960 Teske M 731-2214
X1971 Welch F T 731-1553
X1975 Driscoll R E 731-5287
8)1979 Rivet A 739-4044
X1980 Manning E W Ted 521-0594
7)1983 Jones K 733-0723
4)1986 Siminowski C 523-4119
X1987 Szelzki Joachim 733-2989
X2001 Atkins L 733-4294
1)2011 Williams H 521-6021
■2012 Stratton G 523-0926
X2025 Alexander Neil G 737-4074
2)2026 Belisle L&Roger 733-9115
X2029 Cousineau Andrew L 526-3042
X2030 Blaney M 521-3598
X2030 Pitchers R 521-3598
1)2033 Crosby Peter&Maria 523-4680
2)2034 Keith I 526-0838
X2037 Klempan Ewald 733-0067
5)2038 Luctkar E 521-1696
X2041 Boileau Ben 733-1158
5)2044 Frechette L P 737-4168
X2044 Parent G M J 737-4168
6)2048 Rushton Mark 736-0355
1)2051 Roberge Mike 737-7883
X2052 Pasqua Mario 737-5909
X2055 Evraire C 523-0468
3)2056 Byrne D F 733-5655
3)2061 Lacelle D 739-8422
X2062 Saunders Gordon 733-5975
1)2065 Maloney P 733-4883
6)2066 Malheiro Antonio 733-3682
X2069 Moujaes M 733-2850
4)2069 Moujaes Khalil 736-8243
X2080 Pugliese Anthony S 731-3465
X2081 Lemay Jacques 731-6503
2)2085 Artopia Adaptive ▲521-8333
Display Arts Ltd
2)2085 Murphy R Dan Story 526-4918
X2086 Bissett S 737-4596
X2089 Luloff G 733-6267
2)2090 Martini R L 737-9727
■2093 Bredbury S 321-1658
3)2094 B & C Landscaping ▲523-1952
1)2094 Quirouette Lucie 733-2545
3)2097 Khalil Yvonne 248-0745
X2100 Buller C J 737-5097
X2103 Da Silva Manuel 731-7761
2104 Baird M 526-5447
2)2104 Wagner D 526-5447
X2108 Moglia Giuseppe 521-9944
X2111 Wolczanski W 733-3148
4)2112 Lamadeleine F 247-0659
X2115 Cayer C 247-1461
X2115 Cayer Claude 521-9182
1)2116 Maklan Louis 731-7319
X2121 Kozoriz George 731-9621
X2122 Leslie V 733-3878
X2138 Cardinal H 521-2902
X2139 Welch James E 733-6599
X2146 Giannuzzi Ceasare 521-6774
X2150 Mackey J Terence 731-5227
6)2154 Cleroux Raymond 260-5707
■2158 Toffolo Walt 523-5044
X2161 Johnson T H 733-6614
X2162 O'Connor Timothy J 521-2402
5)2166 Tsai Armand 260-7284
3)2182 Mckinnon M 526-6203
5)2182 Mclellan S 731-7137
1)2185 Brimigiom M 260-2473
8)2189 Mulligan E 733-9310
X2190 Valiquette J P 523-2155
X2192 Kilrea B 733-9721
1)2193 Banks C A 733-7873
5)2197 Dion R 260-8742
3)2200 Csoti G 260-3310
■2201 Mosley L 733-7160
X2205 Fraser R S 733-2239
X2205 Verbenas Bed & ▲733-2239
Breakfast
1)2208 MacDonald B L 521-7314
2212 Strban M 247-0202
3)2213 Vaillancourt D&L 523-0778
■2214 Saab Paul 260-8753
2214 Apartments
■ Mnll Daley S&J 521-3488
1)2217 Alam M 736-6954
1)2220 Prior F&A 736-1180
1)2222 Shayward N 733-6975
8)2224 Cunliffe T 738-0788
2)2226 O'Leary Michael 523-6588
SAUTERNE (GATINEAU)
3)67 Gamache B J A 684-0126
SAUTERNE PK (ORLEANS)
X1138 Soule C D 837-4026
X1139 Kadubiec R 837-6397
X1140 Hudon J-C 824-8512
2)1141 Rouillard G 834-2034
X1143 Smith Allan G R 837-1623
X1144 Cantello G 824-6741
X1144 Weber Michael 824-6741
X1145 Sirianni Frank 837-1660
X1146 Parkes D W 824-6992
■1149 Rohde Angele 841-8902
X1150 Hand G N 837-0297
X1152 Bedard Jacques 837-7184
■1154 Belair H 830-0204
X1155 Elnick Robert 830-8747
X1156 Parent J 830-2492
5)1157 Shannon Keith&Lynn 824-2288
1)1158 Poulin J 834-3012
Jardine Eldon
X1159 Boily E 830-2788
X1161 Nichol Michael J 837-4029
X1162 Gadbois Ian 837-4029
X1163 Larmand M R 837-4818
1164 Stewart-Rivard M 824-7796
X1165 Kelly Pat&Eloise 837-2250
3)1167 Tassé 837-4479
Germain&Louise
2)1168 McDonough Patrick 837-7068
M
X1168 Perreault Elke 837-7783
X1169 Webster Raymond A
X1170 Avery G&C 837-7783
X1171 Maguire Lawrence 837-4521
X1172 Schiemann 830-9229
Doug&Diane 837-1287
X1173 Hamel S 824-8709
X1175 Erlie C&L
X1175 Erlie Karl 830-3205
X1177 Charbonneau 837-0535
Jean&Pat 837-2992
1)1179 Westerheide B B 830-1350
■1181 Poirier V
X1183 Conrad A B 834-8150
X1183 Romanow M L 837-3836
X1184 Steele Dean 830-6144
X1185 Altaee A 830-6144
X1185 Altaee A 837-1774
■1186 Henry Chris&Rhonda 841-5515
X1187 Cook George 841-6307
X1188 Cherla Sastry 590-9653
3)1189 Sanscartier Hector 834-7918
SAUVE 837-2481
302 Apartments 841-5080
■ Unit Campbell Yann
308 Apartments 420-3103
■ 3 Briere Francois- 420-3056
Michel
SAVAGE DR (STITTSVILLE)
2 Sajiw M
X4 Palmer D J 831-0786
6 Wagstaff Bill&Teresa 831-2589
7 Corcoran M 836-6027
8 Haley C 836-5292
X9 Goyette Claude Pierre 836-2799
X10 Stafford S&C 831-1814
11 Arno D&J 836-2109
15 Bruyere J 831-4071
16 Hamilton G 836-1369
X17 Gale Lisa 836-9486
18 Repic N 831-8535
19 Cardo J 836-9867
X20 Miller M 836-9350
X23 Hickey K 831-3481
X25 Davidson S 836-4828
26 Kline P 836-5812
X29 Smith Darryl I 831-5634
X30 Hanna T 836-3304
34 Sherwin R 836-1536
35 Fenn R 831-5350
36 Hoganson C 836-7869
38 MacLean Mark A 836-7869
■40 Taillon R 831-6570
42 Raphael M 836-3089
44 Romero Joe 831-1895
X46 Fung Mike 836-0232
X46 Au C 831-3013
47 Nener K 831-7060
X48 Dewar R 831-0137
49 Tam W Y 836-1999
X50 Egilo Mark 831-3905
51 Gorman L 836-5126
52 Bynoe K 836-1608
53 Crépault B 836-9817
54 Darling D 831-2616
55 Sullivan Mark 831-9504
56 Boehm E 831-4626
57 Ramsey R 836-1683
58 Baillargeon L 831-3277
■59 Kapaklis R 836-4116
60 Schroeder J 836-2725
62 Bathurst M 836-7996
X64 Jarvis Travis 831-9324
X65 Passfield M 836-6960
SAVANE CH 831-2354
■20 Lalande V 246-6342
■184 Bradley S 243-4806
■195 Dubreuil G 568-6581
■217 Bondett M 561-3367
SAVARD AVE
316 Units ▲742-1784
■ 203 Lapointe E
SAVARD AVE (VANIER) ▲746-4339
1)297 Perspectives Vanier ▲748-1799
8)297 La Maison Des
Jeunes De Vanier 748-0910
X301 Brambat Karl 842-0773
■303 Major Alain 742-5716
6)306 Oldsen E 748-8260
1)306 Epps Alan&Colleen 842-0585
4)306 A Wall T 744-0797
3)307 Cairns Hugh 745-8692
8)311 Begin Y 842-9537
4)313 Dionne Stephane 746-2743
3)315 Giard L 746-9187
■315 Lalleur L
316 Apartments 740-0870
■ -- Jennissen Cathy
Lee 741-1451
6) -- Maysenhoelder
Philip 741-1490
5) -- Roy Edgar 741-8547
3) -- Lock L 742-0418
■ -- Besner J 744-1634
X -- Charbonneau Jean-
Guy 745-1997
6) -- McLean M 745-9020
3) -- Landriault G 746-0345
-- Beehan C

2006-07 SWEETNAM DR

SOURCE: VERNONS

OTTAWA-GATINEAU

X95 Lavigne Guy A 236-4296
X95 Cronier Leo 237-1155
X96 Thomas J A 234-1130
X97 Villeneuve J H 236-4366
97 Apartments
X 2 Rochon Richard 565-4580
98 Apartments
1) 1 Jennex Mary 321-0089
100 Apartments
X 1 Gardiner T E 232-7007
2) 101 Cobb Dylan 236-8084
▪101 Snowden Jessica 237-3340
▪101 Boudreau Michel 565-5481
2) 102 Harty S 234-1352
▪103 Endicott Mary Ruth 234-9520
▪103 Campbell M 237-2116
103 Apartments
▪ 1 Duncan Mathew 321-4702
105 Apartments
▪ -- Porr J 233-5826
1) -- Sagaert David 237-2556
▪ -- Procter T 569-6567
▪ 1 Cicek H 231-1217
106 Bradley Robert H 565-0926
X107 Dallaire H 234-5690
X108 Deacon Philip 233-0078
2) 109 Nelson David 234-6184
▪110 Campbell A 565-5881
▪111 Huff B 239-0446
▪112 Thirlwall Wiebe Gwendolyn 237-6904
X113 Hooper J M 233-1710
2) 114 Wren A 565-2917
5) 115 Armstrong Sam 565-3902
X108 Deacon Philip 230-2022
▪116 Munroe H D 565-6252
1) 118 Clarke J 565-6252
1) 118 Ward B 564-0762
3) 133 Ishak A 565-8460
2) 135 Bays K 565-8460
X135 Dunkley G&K Bays 565-8460
2) 135 Woods K&C 234-8365
▪139 Hilmi L 234-4207
▪141 Sheridan M 230-2345
▪143 Brilliant Text Inc 235-1204
X143 McCrea Philip E 565-8672
1) 147 Meincke T 565-3040
X149 Ullett Art 235-2600
X151 Gauthier Alban
SWEETNAM (CARP)
▪8 Project Management Productivity Solutions ▲831-8046
SWEETNAM DR (STITTSVILLE)
▪7 Centrum Glass & Door ▲831-4011
▪7 Miniman ▲836-4283
7) 7 Denis Auto Centre Inc ▲836-6485
8 Units
X -- CDS Rental Service Ltd ▲831-0240
3) -- CDS Building Movers ▲836-1215
X -- CDS Rental Service Ltd ▲836-1215
3) -- Store-All Ltd ▲836-1215
3) -- CDS Store-All Ltd ▲836-1223
3) -- M E D Servi Systems Canada Ltd ▲836-3004
3) -- Med Clinic ▲836-3004
3) -- Relocateable Homes ▲836-3005
X -- Sweetnam J 836-4578
11 Units
3) -- Jorgensen Roofing ▲831-0260
6) -- Jim's Hi Tech Auto Repairs Inc ▲831-1931
3) -- U- Haul Co Ltd ▲831-5006
2) -- Autovation Inc ▲831-8714
1) -- Central Plumbing ▲836-9246
15 Units
6) -- Dependable Bodyworks ▲831-3899
2) -- Tim Benner Painting Ltd ▲831-8986
7) -- Bruce's Auto & Equipment Repairs ▲836-6511
2) -- Extreme Specialties ▲836-9115
607 Cromack Metal ▲836-4426
513 Cliff's Car Care Centre ▲831-1549
8) 600 Green David Painting & Decorating ▲836-5568
SWIFT ST (DUNROBIN)
3) 114 Bart Jace ▲299-7653
3) 115 Munro A 832-1413
4) 118 Flinn C 832-5448
X123 Knappers Wim 832-4936
8) 124 Beauregard M J 832-3495
X124 Durham P H Dr 832-3495
3) 128 Hamilton B 832-2354
SWILKEN BURN (NEPEAN)
4) 1 Ielo G&L 825-7440
X4 Seppala R E 825-0307
▪5 Pintea Iuliu 825-7593
1) 6 Skuja A 823-5666
7) 8 Nadeau Mark 825-8555
SWITZER AVE
7) 181 Clost N 729-5027
▪181 Simon P&M 729-7452
181 Apartments
1) Apt Buckshot T 761-1168
▪185 Dremencov E 722-0259
4) 185 Minuk Bernard 728-0787
1) 185 Caytak J 729-7712
1) 193 Walson D&J 792-1898
3) 198 Goldmaker Lou ▲738-0495
7) 201 Lenson M 728-0418
X202 Berger M Rabbi 722-5029
▪203 Mccagg T 761-6761
5) 204 Monarty C 729-2660
5) 208 Petigorsky E 729-1872
X210 Dickinson John L 722-8303
▪211 Dinardo M&D 729-6993
5) 212 McGregor M 729-5454
X213 Butler P E 722-8629
4) 214 Cappuccino K 722-3339
4) 214 Jackson B 722-3339
X216 Scribner M 728-6046
X218 Inshaw Nigel 729-3150
X219 Hatton Al 798-0150
8) 221 Perriard R 761-9628
224 Wentzell David W 729-3102
SYCAMORE DR (NEPEAN)
X Lynwood Community Building ▲829-3207
X3 McLean J K 828-6814
X5 Dubroy D 596-2169
5) 8 Sutton J 721-2992
X9 Nevins J&D 828-4132
X10 Graham G M 828-7508
3) 11 Masse L 596-0023
3) 11 Read J 596-0023
X13 Jones Mary&James 828-9759
X15 Racine S 829-9752
X19 Mumford M E 828-6579
X20 McManus F J 829-7923
X21 Steele Richard 820-4144
X23 Dicesare Enrico 721-0971
X24 Dawson W H 828-7370
X25 Watson R H 829-1939
6) 26 Egan M P 726-6058
X27 Navin Ray 820-9586
6) 28 Drew J 829-0812
X29 Lacasse R J 829-9258
X33 Price E J 829-2113
1) 37 Kennedy Pat 829-6464
X39 Bodeau Gerald 828-4519
▪42 Gogia Ram&Indira 721-0966
X43 Bovell L 820-3711
X44 Laurenzio Aristide 828-5217
2) 44 Pottinger Cedilia 829-0278
X45 Shivkumar B 828-6697
X47 Hughes Ashton 828-9990
X48 Schilling Len 820-0234
X49 Bueti Joe&Serafina 726-1164
▪49 Kamara H 828-2340
5) 1100 Adaptech Elevators ▲833-1542
8) 1108 Walker J 833-1545
X1117 McLaughlin Donald 833-3327
8) 1118 Poulin B 833-0132
3) 1123 Burdick M&F 833-1450
3) 1124 Tait T 833-9083
2) 1130 Pepper J 833-9905
X1136 Baarda John 833-8334
SYLVAIN RUE (GATINEAU)
1) 5 Grégoire J 561-3858
▪7 Clermont M 568-6402
4) 7 Sylvestre D 568-6590
2) 9 D'Aragon D 243-9333
▪10 Delage Louis 246-7003
6) 11 Rioux J-M 246-1314
1) 12 Choueiri J 246-2690
▪13 Bernier M 246-8271
X14 Pichette Pierre 561-5711
X15 Lepage Robert J 243-2988
X16 Filion Cliff 568-8614
2) 17 Mineault Diane 243-1639
X18 Rochon F 568-0690
3) 19 Pilon R Jr 568-7148
X20 Duguay R 568-1145
2) 21 Sabbagh Michel 246-0624
2) 22 Bujor Radu Gabriel 561-0452
X23 VanChesteing Y 568-1241
3) 24 Millette A 246-7956
3) 25 Larose S 243-7885
X26 Duford A 243-2293
▪28 Lefebvre M 243-3337
3) 28 Beausoleil Tania 561-8099
X29 Chouinard Y 568-1270
4) 30 Botelho L 246-3757
3) 31 Mireault Florent 561-1658
1) 32 Arruda P 243-0995
1) 33 Cardinal Louise 568-4609
X34 Laniel Mario 246-5341
4) 35 Paris A 243-8029
3) 36 Côté D 561-7080
1) 37 Fortin A 243-7616
4) 38 Plourde M 568-1678
X39 Dumoulin Réjean 243-9354
X40 Machado R 568-2340
▪40 Machado S 568-5400
8) 42 Bouchard L 246-2842
X44 Fecteau René 246-9627
X46 Ritchie G 561-1547
X48 Mulligan C 246-2491
X49 Turpin Ronald 568-4929
▪50 Entretiens Ménagers Professionnels (Les) ▲568-9555
X52 Godbout C 243-7480
SYLVAN AVE (ROCKCLIFFE)
X245 Rowley Graham W 749-8114
X250 Appotive Howard 749-6622
SYLVESTRE RUE (GATINEAU)
2) 435 Villeneuve D 669-2358
2) 438 Sarrazin Jeannot 663-8847
2) 439 Marcotte E 669-7034
2) 443 Malette Jean-Jacques 643-2509
2) 447 Amyot G 643-5471
1) 451 Powers Patrick 669-4323
2) 454 Strasbourg J-C 663-3056
2) 455 Dagenais M 669-8753
2) 459 Longpré Serge 669-7957
2) 460 Polvin Normand 663-4987
2) 463 Cousineau Rhéal 643-1696
2) 464 Cornut J 669-6458
1) 464 Quinn L 669-6458
2) 467 Marsan R 669-8288
2) 468 Bertrand R 669-5512
2) 471 Gravel Ghislain 663-3226
2) 472 Legault K 663-9846
2) 475 Fauteux A 643-4963
2) 476 Bertrand Paul 643-2405
2) 479 Leblanc Sylvain 643-9928
2) 479 Leblanc Gilbert 669-7568
2) 480 Mainville Normand 643-2387
2) 483 Groulx Richard 643-2444
2) 484 Therrien Y M 669-7946
1) 487 Boutholte S 669-0086
2) 488 Bélair L 643-2479

2000 HAZELDEAN ROAD

SOURCE: POLKS

HAZELDEAN RD

Address	cont'd Phone
MICROPLAY VIDEO GAMES	K2L 1V3 831-1131
OCCASIONS	K2L 1V3 836-5702
ROSSEN'S GLASS & MIRROR CO	K2L 1V3 831-9863
TROPICAL CABANAS	K2L 1V3 831-6277
VITIMEX	K2L 1V3 836-8264
471 ACE DRY CLEANERS	K2L 4B8 831-8642
ACT II FASHIONS	K2L 4B8 831-8386
APEX ART FRAMING	K2L 4B8 836-4169
BANK OF NOVA SCOTIA	K2L 4B8 831-2315
#15 COLDWELL BANKER SARAZEN REALTY	K2L 4B8 831-4455
COMPUTERS & MORE INC	K2L 4B8 831-8555
EGGROLL PLUS	K2L 4B8 831-8888
FABRICLAND DISTRIBUTORS	K2L 4B8 831-2227
KANATA VACUUM & SEWING CENTRE	K2L 4B8 831-2326
MILANO PIZZERIA	K2L 4B8 831-3355
PRODECOR	K2L 4B8 831-2299
#1 ROGERS VIDEO	K2L 4B8 831-0643
SALEM STOREHOUSE INC	K2L 4B8 831-9085
TALISMAN FLOWERS	K2L 4B8 831-3939
WINE & BEER DEPOT THE	K2L 4B8 831-3031
Pet Agree	K2L 4B8 831-4595
474 AVCO FINANCIAL SERVICES	K2L 4E5 831-7374
AVCO SERVICES FINANCIERS	K2L 4E5 831-7374
BLUE LAGOON TANNING STUDIO	K2L 4E5 831-3175
BURGER KING	K2L 4E5 836-3949
CO-OPERATORS THE	K2L 4E5 836-8886
DOLLAROKA	K2L 4E5 836-8760
HAIR BY DESIGN	K2L 4E5 836-3555
HERBAL MAGIC SYSTEMS INTERL	K2L 4E5 831-5819
ISSAC'S	K2L 4E5 836-8335
PIZZA HUT	K2L 4E5 836-7533
RUNNING STITCH THE	K2L 4E5 836-5908
STEREO PLUS KANATA	K2L 4E5 831-7140
YARN FORWARD INC	K2L 4E5 831-8027
Edward Jones	K2L 4E5 836-3159
ⓘFunkenhauser Carol	K2L 4E5 831-9062
475 KFC	K2L 1V1 836-4011
486 GRADE EXPECTATIONS LEARNING CENTRES	K2L 1V4 831-4244
MOORE CHIROPRACTIC HEALTH CENTRE	K2L 1V4 831-8374
Moore Jim	K2L 1V4 831-8374
ⓘRoberi Jacques	K2L 1V4 860-1377
500 BANQUE ROYALE	K2L 2B5 831-2981
CLUBHOUSE SPORTS	K2L 2B5 836-1505
FOX BISTRO & SIDE BAR THE	K2L 2B5 831-4884
KANATA UPHOLSTERY	K2L 2B5 831-1485
MEGAPOWER VIDEO GAMES	K2L 2B5 831-4263
MOTOPHOTO	K2L 2B5 831-2381
ONE HOUR MOTOPHOTO	K2L 2B5 831-2381
PAINTED PONY (THE)	K2L 2B5 836-1361
PESTO'S DELI & FRESH PASTA	K2L 2B5 836-5432
ROYAL BANK	K2L 2B5 831-2981
VINTAGE HOBBIES	K2L 2B5 831-0036
Dollar Bin	K2L 2B5 831-1341
#9 Maroosis G	K2L 2B5 836-2433
501 BRIG PUB THE	K2L 1V6 831-9111
DAVIS GROCERY	K2L 1V6 831-7064
FOCUS CENTRE THE	K2L 1V6 836-1016
JOE'S PIZZA	K2L 1V6 831-9191
MOTOR VEHICLE LICENCE ISSUERS	K2L 1V6 836-4534
THE BRIG PUB	K2L 1V6 831-9111
THREE BAGS FULL CONSIGNMENT SHOP	K2L 1V6 836-7621
TOM & SONS DONUTS & MORE	K2L 1V6 836-6395
WAVELENGTH	K2L 1V6 836-7171
510 MC DONALDS' RESTAURANTS	K2L 4B3 831-1143
RESTAURANTS MC DONALD'S	K2L 4B3 682-9762
538 A HOUSE DOCTOR	K2L 2T6 831-9900
GLORIA'S HAIR DESIGN	K2L 2T6 836-6407
PIERSON WINDOW CONVERSION	K2L 2T6 831-9900
Fanshaw G	K2L 2T6 831-2115

BUSINESSES 127 HOUSEHOLDS 14

HAZELDEAN RD *(ST)*

Boliste-Lederc Leo	K2S 1B9 831-0046
1 #5931 STATE FARM INSURANCE COMPANIES	K2S 1B9 831-1799
402 CORKS WINERY	K2S 1B9 831-6603
590ⓘChoquette C	K2S 1B9 831-2234
Craig Eldon	K2S 1B9 836-2654
613 Guigue J	K2S 1B9 831-6608
5601 Gardner S	K2S 1B9 836-3252
5654 GUARDSMAN INSURANCE SERVICES LTD	K2S 1B9 831-6300

HAZELDEAN RD *cont'd*

Address	Phone
D Aoust R	K2S 1B9 836-1629
Watson Keith	K2S 1B9 836-4355
5734 Holmes D & A	K2S 1B9 836-3525
Sweetnam C	K2S 1B9 836-6467
Sweetnam Chris	K2S 1B9 831-7162
Sweetnam D M	K2S 1B9 836-3179
5816 KEMPS STEAKHOUSE & PUB	K2S 1B9 836-1665
5830 ALFONSETTI'S RISTORANTE ITALIANO	K2S 1B9 831-3008
5862 KANATA COLLISION	K2S 1B9 831-3397
5872 Angelo K	K2S 1B9 831-5508
5877 Johnston Glen H	K2S 1B9 831-0103
5879 ESCAPE ESTHETICS	K2S 1B9 836-3671
ⓘLalleur D	K2S 1B9 831-6863
5883 CRAFTIQUES	K2S 1B9 836-2739
Dennis J	K2S 1B9 836-0889
ⓘTole Attic	K2S 1B9 831-0505
5884 Townson D	K2S 1B9 836-7483
Townson Robt	K2S 1B9 836-4242
5891ⓃCao C	K2S 1B9 831-0882
ⓘCao Charles	K2S 1B9 831-2385
5899 MR GAS LTD	K2S 1B9 836-2769
5900 Cabanons Casper	K2S 1B9 831-4672
Dion Daniel	K2S 1B9 831-5559
5903 Mac Fadyen F	K2S 1B9 836-1371
5906ⓃHodges R	K2S 1B9 831-9352
5912 Wilson M	K2S 1B9 836-5443
5923 Loates T R	K2S 1B9 836-3775
5927ⓃPresley L	K2S 1B9 836-8346
5931 SHAKE N BURGER DINER	K2S 1B9 831-8392
Martinuk Kim	K2S 1B9 831-1799
5933 CANTUSCI FRANK UPHOLSTERY FRANK CANTUSCI UPHOLSTERY	K2S 1B9 836-3541
5938 ESSO (IMPERIAL OIL)	K2S 1B9 836-3541
5977 EASTERN CONTAINER COMPANY	K2S 1B9 836-3156
SIGEM INC	K2S 1B9 836-7911
TRILLIUM CONVERTING CORPORATION	K2S 1B9 836-8241
5986 HAZELDEAN MARTIAL ARTS CENTRE	K2S 1B9 836-8060
THERIEN JIU-JITSU & KICKBOXING	K2S 1B9 831-3622
5992 COMMUNIQUE SIGNS	K2S 1B9 831-3622
6001 CASHWAY BUILDING CENTRES	K2S 1B9 836-2207
RITCHIE FEED & SEED INC	K2S 1B9 831-7775
6043 Bradley Arnold	K2S 1B9 836-6880
6176 ARTRISE GALLERY	K2S 1B9 836-2215
AUCTION CANADA	K2S 1B9 831-7463
KAVANAGH REALTY 1982 LTD	K2S 1B9 836-5612
STITTSVILLE MARKET #157 GUS'S ANTIQUES	K2S 1B9 831-1927
6178 FOR SERIOUS COLLECTORS	K2S 1B9 836-5612
6231 SATORI CRAFT SERVICES LTD	K2S 1B9 831-7709
6310 FORANS R V'S LTD	K2S 1B9 831-4859
6423 Ledgerwood E	K2S 1B9 836-1107
6463 MUNRO CAROLYN DESIGN	K2S 1B9 831-8313
Dilawri K	K2S 1B9 836-6655
6640 EXCELSIOR TRUCK & TRAILER LEASING	K2S 1B9 836-8887
TRIPLE K TRANSPORT LTD	K2S 1B9 836-4334
6775 PERMACON OTTAWA	K2S 1B9 836-7333
6801 Page Yvon	K2S 1B9 836-6194
6815 Trghe Peter	K2S 1B9 836-2772
6950 Siu Phat	K2S 1B9 836-1165
6960 Van Lunen T	K2S 1B9 831-1962

BUSINESSES 33 HOUSEHOLDS 35

HAZELDEAN MALL *(K)*

A BUCK OR TWO	599-8355
BENTLEY LEATHER INC	599-7255
JO'S SMOKE & GIFT	599-3571
JUST CURIOUS	592-3238
KANATA SHOE REPAIR	591-0832
ODYSSEY BOOKS	592-4738
PARCHMENT & QUILL SHOP	592-3282
PET WORLD	592-3268
RECORDS ON WHEELS	592-9075
SECOND CUP LTD THE	592-9237
SHORNEY'S OPTICAL	592-4585
Alleyn C	592-2900
Merkley Burton L	592-2900
300 TROPIK SUN FRUIT & NUT	K2S 1B9 591-6194

BUSINESSES 12 HOUSEHOLDS 2

HEARN CRES *(ST)*

1 Cherry S	K2S 1R7 836-8340
Cherry Stephen & Paula	K2S 1R7 836-8342
2 Fitch J & W	K2S 1R7 831-7034
3 COWIE STEPHEN & POWER NANCY	K2S 1R7 836-3816
4ⓃKeating S	K2S 1R7 836-7490
Odendaal F	K2S 1R7 836-7480
5ⓃShah Amir & Julie	K2S 1R7 836-8175
6 Bobula Jill	K2S 1R7 836-5983
ⓘGriffin Ward	K2S 1R7 836-5983
7 Dunn Paul	K2S 1R1 836-1525
8 Chouinard Denis & Susan	K2S 1R7 836-5968
9 Tremblay F	K2S 1R1 831-8995
10 Copeland E	K2S 1R7 836-6169

SAUTERNE PK

Address	cont'd Phone
1172 Schiemann D G ♠	K1C 2N8 824-8709
1173 Harnel S ♠	K1C 2H3 830-3205
1175 Erlle C & L	K1C 2H3 837-0535
Erlle Karl	
1177 Charbonneau Jean & Pat ♠	K1C 2H3 837-2992
1181 Charron Richard ♠	K1C 2H3 830-1350
1183 Conrad A B	K1C 2H3 824-7377
Romanow M L ♠	K1C 2H3 830-6144
1184 Steele Dean ♠	K1C 2H3 830-6144
1185 Altaee A	K1C 2N8 837-1774
1186 Zhang Jianshun & Bing ♠	K1C 2H3 841-5515
1187 Cook George ♠	K1C 2N8 824-0639
1188 Cherla Sastry ♠	K1C 2H3 834-7918
1189 Noel L ♠	K1C 2N8 837-2481
	K1C 2H3 834-8563

HOUSEHOLDS 46

SAVAGE DR *(ST)*

2 MACDOUGALL SALES & SERVICE		836-2085
	ⓃSajiw M	831-0786
4 Palmer D J		831-2589
6 Wagstaff Bill & Teresa		836-6027
7 Corcoran T L	K2S 1B9	836-5292
8 Seidle R J	K2S 1B9	836-4390
9 Goyette Claude Pierre	K2S 1B9	831-1814
10 Stafford S & C	K2S 1B9	836-2109
11 Arno D & J	K2S 1B9	831-4071
15 Bennett J	K2S 1B9	836-1369
16Ⓝ Buie L	K2S 1B9	836-5807
ⓃConey K	K2S 1B9	836-5807
17 Gale Lisa	K2S 1B9	831-8535
18 Cooke C A	K2S 1B9	831-0438
19 Lessard Matt	K2S 1B9	836-6727
20 Miller M	K2S 1B9	831-3481
23 PREFERRED LIMOUSINE SERVICE	K2S 1B9	836-7251
Hickey K	K2S 1B9	836-4828
25 Davidson S	K2S 1B9	836-5812
26Ⓝ Kline P	K2S 1B9	831-5634
29 Smith Darryl I	K2S 1B9	836-3304
30 Hanna T		836-1536
34 Sherwin R	K2S 1H4	831-5350
36 Mac Donald John Angus	K2S 1H4	836-7095
38 Mac Lean Mark A ♠	K2S 1H4	831-6570
40 SIDCO CONSTRUCTION INC	K2S 1H4	831-6251
Lombardi G	K2S 1H4	831-1175
42 Blanchfield Randy ♠	K2S 1H4	836-1676
44 Vallier C ♠	K2S 1H4	831-4658
46 Au C	K2S 1H4	831-7060
Fung Mike ♠	K2S 1H4	831-3013
47 Wilson M ♠	K2S 1H4	831-0137
48 Dewar R	K2S 1H4	836-1999
49Ⓝ Tam W Y	K2S 1H4	831-3902
50 Egilo Mark	K2S 1H4	836-5126
51 Gorman L ♠	K2S 1H4	836-1808
52 Mc Nabb A ♠	K2S 1H4	831-4820
53 Crepault B ♠	K2S 1H4	831-2616
54 Crerar J T ♠	K2S 1H4	836-7849
55 Sullivan Mark	K2S 1H4	831-4626
56Ⓝ Boehm E	K2S 1H7	831-1683
57 Mac Gregor S	K2S 1H7	831-3277
Ramsay R ♠	K2S 1H7	831-3277
58 •MAC Macgregor C ♠	K2S 1H7	836-5340
59 Menard J	K2S 1H7	836-7660
60Ⓝ Schroeder J ♠	K2S 1H7	831-7706
Schroeder J ♠	K2S 1H7	836-7996
61 Osman Ghassan ♠	K2S 1H7	831-2287
62 Osman Marwan ♠	K2S 1H7	831-8309
64 Jarvis Travis ♠	K2S 1H7	836-6460
65 Passfield M ♠	K2S 1H7	831-2354
BUSINESSES 3		HOUSEHOLDS 48

SAWGRASS CIR *(C)*

6 Shawcross C	257-3682
20Ⓝ Roos Thomas A	253-8083
23Ⓝ Brown A	253-7166
36Ⓝ Newton G	253-2332
43Ⓝ Allaire P	257-1551

HOUSEHOLDS 5

SAWMILL CREEK CRES *(G)*

841Ⓝ Robinson W Robert		731-2845
1791 Mallby H	K1T 2E5	738-4608
Mallby M	K1T 2E5	737-5397
1793 George D A	K1T 2E5	738-7010
1795 Csorogi G	K1T 2E5	731-8538
1797 Cavanagh Charles E	K1T 2E6	523-1116
1804 Peters V	K1T 2E6	736-8049
1808 Lee L	K1T 2E6	523-0284
1810 Mc Nully T	K1T 2E6	526-4845
1820Ⓝ Azulay K	K1T 2E6	260-5360
1822Ⓝ Clattenburg Jeff	K1T 2E6	260-8983
1824Ⓝ Velazquez E & J	K1T 2E6	260-9150
1826 Dion M	K1T 2E6	523-0602
1832 McBride E	K1T 2E6	731-9220
1834Ⓝ Rislmaki N & K	K1T 2E6	523-6930
1837 Gawthrop Christopher M	K1T 2E5	521-4085
1838 Sloan D	K1T 2E5	523-2675
1839 Rowat M K	K1T 2E5	521-7262
1843 Van Bregt P	K1T 2E5	247-1531
1844 Doyle Kevin	K1T 2E6	521-6221
1845 Wright Tim	K1T 2E5	521-8029
1846 Dmowska A	K1T 2E6	521-9293
1848 Wilson Jim	K1T 2E6	739-7929
Wright L	K1T 2E6	739-7929
1850 Harbocian K	K1T 2E6	736-9977
ⓃMonachan John	K1T 2E6	736-0137

HOUSEHOLDS 26

SAXONY CRES *(G)*

1600 Doucat B	K1B 5K6	747-7553
1602 WHITE KNIGHT PROMOTIONS	K1B 5K6	744-6145
Martell Gary	K1B 5K6	744-6721
	K1B 5K7	741-5536
1605 Ho Uy ♠	K1B 5K6	744-5164
1606 Cyr L A	K1B 5K6	741-6455
1610 St-Cyr Yves ♠	K1B 5K6	744-0404
1612 Mansa H ♠	K1B 5K6	747-5931
1614 Cortes M ♠	K1B 5K6	747-5917
Renderos Ramon		
1616 DUMAIS CUSTOM GARAGE DOOR	K1B 5K6	745-5219
1618 Chammas Karim ♠	K1B 5K6	745-9424
1622 Elliott David ♠	K1B 5K6	744-1717
1624 Murray Donald J ♠	K1B 5K6	744-2091
1628 Arraj M ♠	K1B 5K6	741-4404

SAXONY CRES

Address	cont'd Phone	S
1630 Pigeon Jean ♠	K1B 5K6 749-9932	4
1631 Clough L	K1B 5K8 746-9252	4
Lapalme Francois	K1B 5K8 746-9252	
1632Ⓝ O'Conner S	K1B 5K6 744-6815	
1634 Brousseau L	K1B 5K6 749-8155	
1635 Stumbillich M	K1B 5K8 747-8699	4
1636Ⓝ Champagne L	K1B 5K6 741-2338	4
ⓃSt Michael C	K1B 5K6 741-2338	4
1637 Moreau P	K1B 5K8 741-7386	
1638 Ranger D ♠	K1B 5K6 746-6071	
1639 Chapman S V	K1B 5K8 747-3726	
1640 Gratton G M ♠	K1B 5K6 744-4908	
1641 Snook D B ♠	K1B 5K8 741-0685	
1644 Ma Sheng Hua	K1B 5K6 748-1953	1
1646 Landry J ♠	K1B 5K6 744-0192	1
1647 Delorme G ♠	K1B 5K8 744-2931	1
1648 Hodges James F ♠	K1B 5K6 749-9911	
1649 Langlois C	K1B 5K8 745-5811	
1650 Davidson Roch ♠	K1B 5K6 749-4507	
1651 Harkins John R	K1B 5K8 745-4085	
1652 Paquette Dan ♠	K1B 5K6 744-6574	
1653 Lanctot M ♠	K1B 5K8 745-0762	
1654 Edwards James R	K1B 5K6 747-1677	
1656 West D	K1B 5K6 746-0444	
1662Ⓝ Daw Andre	K1B 5K6 746-3382	
1666 Lawrenson R ♠	K1B 5K6 744-8280	
1668 Delorme Dan ♠	K1B 5K6 747-7374	
1669 Vieira C	K1B 5K8 744-6775	
1670Ⓝ Aoun M	K1B 5K6 745-6767	
1671 Hogan L	K1B 5K8 744-6789	
1672 Feghali A	K1B 5K6 744-4644	
1673Ⓝ Sabourin M ♠	K1B 5K8 746-5041	
1674 Nicholls R W ♠	K1B 5K6 746-2038	
1675 Fidanza P	K1B 5K8 748-8319	
1678 Repaci Orlando	K1B 5K6 746-7806	
1680 Axworks K	K1B 5K6 744-3766	
McPhail J K	K1B 5K6 744-2443	
1682Ⓝ Barry Deanna	K1B 5K6 741-7361	
Pelot Clement ♠	K1B 5K6 741-7361	
1684 Phong Edward ♠	K1B 5K6 749-5598	
1686 Daigle Eric ♠	K1B 5K6 744-7412	
1688Ⓝ Khogali Walaa E I	K1B 5K6 741-4314	
1690 Lepage G M ♠	K1B 5K6 748-0783	
BUSINESSES 2	HOUSEHOLDS 55	

SCANLON DR *(OS)*

3301 Harrington S ♠	K0A 2W0 826-0714
3307 Brunel L & R ♠	K0A 2W0 826-0658
3313Ⓝ Barney E	K0A 2W0 826-1340
3318Ⓝ Mc Clelland Stephen ♠	K0A 2W0 826-0596
3324 Cosman Donald W ♠	K0A 2W0 826-0891
3336 Rathwell Bill	K0A 2W0 826-1629
3342 Kealey C & S	K0A 2W0 826-0684
3343 Spring Chris & Louise	K0A 2W0 826-1100
3349 Goodenough J Arthur	K0A 2W0 826-1849
3360 Downey C ♠	K0A 2W0 826-0111
3361 Granville Dawn P	K0A 2W0 826-1690
ⓃGranville Tom & Karen	K0A 2W0 826-0028
3366 Konnaway J S	K0A 2W0 826-0867
3367Ⓝ Maguire Liam	K0A 2W0 826-2128
3372 Hall Thomas ♠	K0A 2W0 826-3588
3373 Larocque C	K0A 2W0 826-1216
3378 Pelletier P J	K0A 2W0 826-1441
3379 Gauthier M ♠	K0A 2W0 826-0844
3384 Gorton L And B ♠	K0A 2W0 826-1726
3385Ⓝ Scoble Bernard	K0A 2W0 826-3802
3390Ⓝ Sutherland Mike & Laurie	K0A 2W0 826-0095
3391 Reaney B W	K0A 2W0 826-2683
3396Ⓝ Boyd S & T	K0A 2W0 826-3546
3402 Ross Daniel & Francine	K0A 2W0 826-3777
3408 Nicholson T & K	K0A 2W0 826-2911
3409 Proulx Mark ♠	K0A 2W0 826-0689
	HOUSEHOLDS 26

SCENIC LANE *(W)*

100 Dufault Michel ♠	K0A 3M0 832-3776
104 Shelvock James ♠	K0A 3M0 832-3923
110 Mismas J	K0A 3M0 832-0827
114 Mahoney H ♠	K0A 3M0 832-1328
120Ⓝ Quarterman David & Marilyn	K0A 3M0 832-8053
124 Evans C ♠	K0A 3M0 832-1609
Ritchie S	K0A 3M0 832-1609
Ritchie Stephon	K0A 3M0 832-1198
130 Hick Steve	K0A 3M0 832-0990
Hick Vaida & Steve	K0A 3M0 832-0510
134Ⓝ McHale M	K0A 3M0 832-8092
140 DELORME K M CONSULTING	K0A 3M0 832-4935
Delorme M	K0A 3M0 832-1244
142 Galt Frederick ♠	K0A 3M0 832-0115
150 Bosman R	K0A 3M0 832-5497
Martin J	K0A 3M0 832-5497
154 Seed Gordon ♠	K0A 3M0 832-3522
160Ⓝ Armstrong Henry	K0A 3M0 832-8285
164Ⓝ Du Breuil P	K0A 3M0 832-2247
BUSINESSES 1	HOUSEHOLDS 18

SCHARF LANE *(K)*

6 Banks Edward A	K2L 2K2	836-1560
7Ⓝ Smuck David	K2L 2K3	836-7327
8 Duthie D L	K2L 2K2	836-6356
9 Harris Terry P	K2L 2K3	836-4008
10 Zeyl J	K2L 2K2	836-2465
11 May Andrew J	K2L 2K3	836-4185
May John M	K2L 2K3	836-4684
12 Sammon D M	K2L 2K2	836-5522
13 Johnston Michael & Elizabeth	K2L 2K3	836-4491
16 Poirier Paul	K2L 2K2	836-7010
17 Bronowski S & K	K2L 2K3	836-3843
18 Parker Roy A	K2L 2K2	831-2580
19 Patry Roger P	K2L 2K3	836-3930
21Ⓝ Miller S ♠	K2L 2K3	831-7645
22Ⓝ Marcotte G & N ♠	K2L 2K2	831-7718
23Ⓝ Gemmell Richard	K2L 2K3	831-1981
25 Kealey P D	K2L 2K3	836-2086
414 Hanna W		833-3148
Hanna William & Penny		833-1488
417Ⓝ Udo D & R		833-1030
420 Louisseize R		833-9037
Louisseize Rock		833-1362
421 Sample Robert & Kerry		833-1380
428 Nelson S		833-2437
434 Lariviere Denis		833-5438
440 Grohs M & S		833-1538
445 Poirier Peter		833-1437
446 Bernardo Anthony A		833-1464
Fuhrer J M		833-1464

SUSSEX ST

Address	cont'd Phone
#1 Brown Lyle R	K7C 1P8 257-8341
#14 Burchill M	K7C 1P8 253-2148
#9 Crawford Earl	K7C 1P8 257-5242
Dack Ross ♠	K7C 1P8 257-1302
#5 Dowdall E A	K7C 1P8 253-2298
#23 Dowdall G E	K7C 1P8 257-2348
Drummond M F ♠	K7C 1P8 253-0388
#37 Ellerington James	K7C 1P8 257-5635
Flynn U ♠	K7C 1P8 253-7749
Harvey L ♠	K7C 1P8 253-5058
#16 Hurdis Lorne	K7C 1P8 257-3123
Lackey H ♠	K7C 1P8 257-7731
Marshall T ♠	K7C 1P8 253-3603
#12 Mc Daniel V	K7C 1P8 253-1509
#26 Mc Intyre F	K7C 1P8 257-4252
#4 Mc Kittrick Wallace D	K7C 1P8 257-2191
Mc Laren M N J ♠	K7C 1P8 257-2324
Mc Rae C ♠	K7C 1P8 257-3257
O'Hara M ♠	K7C 1P8 253-5262
#10 Raycroft E J	K7C 1P8 257-2487
Stafford D ♠	K7C 1P8 257-5166
Stewart M ♠	K7C 1P8 257-1846
Stringer C ♠	K7C 1P8 257-2119
Thompson D I ♠	K7C 1P8 253-2511
#25 Thompson Wm	K7C 1P8 257-5764
#2 Townend Cecil	K7C 1P8 257-4362
Whalen A ♠	K7C 1P8 257-2969
#39 Wilson D G	K7C 1P8 257-4605
136 Ardley S R	K7C 1P7 253-3115
169Ⓝ Salvin Sam	257-3425
	HOUSEHOLDS 35

SUTHERLAND DR *(M)*

1379Ⓝ Norrie Ross & Tammy	K4M 1B3	692-8155
1391 Palmerio Joseph	K4M 1B3	692-2392
1393 Fletcher R R ♠	K4M 1B3	692-4927
		HOUSEHOLDS 3

SUZANNE ST *(RO)*

ⓃCardinal Richard		446-4452
ⓃLe Blanc Y		446-4410
74 Stewart R	K4K 1K7	446-5257
75 Pigeon M	K4K 1K7	446-6513
76Ⓝ Prevost Benoit	K4K 1K7	446-0040
79 Cadieux L	K4K 1K7	446-5874
80 Rousset Ronald	K4K 1K7	446-6074
		HOUSEHOLDS 7

SWANS WAY *(G)*

20 Escaravage D & C ♠	K1J 6H9	747-8060
24 Vijay Hari	K1J 6H9	748-7264
28 Khan F R	K1J 6H9	749-3235
Khan F R	K1J 6H9	749-9316
29 Borst L W	K1J 6H8	747-0100
32Ⓝ Venkatesh-Mannar M G	K1J 6H9	746-8502
		HOUSEHOLDS 6

N SWANS WAY *(G)*

ⓃFouda Aly		741-4255
1 Agis Ayaz	K1J 6J1	744-6729
3 Bevilacqua M & E ♠	K1J 6J1	742-8343
4 Rizk Michael & Miranda ♠	K1J 6J2	746-9139
5 Hall Alex ♠	K1J 6J1	745-2537
Jackson Steve	K1J 6J1	745-2537
		HOUSEHOLDS 6

S SWANS WAY *(G)*

10 Bertrand F	K1J 8X2	742-5806
		HOUSEHOLDS 1

SWEETNAM DR *(ST)*

7 DENIS AUTO CENTRE INC	K2S 1G3	836-6485
8 BYTOWN FIRE & SAFETY PROTECTION	K2S 1G2	836-8323
CDS BUILDING MOVERS	K2S 1G2	836-1215
CDS RENTAL SERVICE LTD	K2S 1G2	831-0240
CDS RENTAL SERVICE LTD	K2S 1G2	836-1215
CDS STORE-ALL LTD	K2S 1G2	836-1223
JAY D ALLEN & ASSOCIATES	K2S 1G2	831-6366
LAURENTIAN MOUNTAIN BUSINESS VENTURES	K2S 1G2	836-6053
M E D SIRVI SYSTEMS CANADA LTD	K2S 1G2	836-3004
MED CLINIC	K2S 1G2	836-3004
RELOCATEABLE HOMES	K2S 1G2	836-3005
STEPH-COM LTD	K2S 1G2	831-1275
STORE-ALL LTD	K2S 1G2	836-1215
ⓃPhilliban G	K2S 1G2	831-9815
Sweetnam J	K2S 1G2	836-4578
11 ABBOTSFORD TRUCK REPAIRS	K2S 1G3	836-2084
JIM'S HI TECH AUTO REPAIRS INC	K2S 1G3	831-1931
ORR MOTORS INC	K2S 1G3	831-8714
ⓃFrank Powell	K2S 1G3	836-3491
15 BRUCE'S AUTO & EQUIPMENT REPAIRS	K2S 1G3	836-6511
DEPENDABLE BODYWORKS	K2S 1G3	831-3899
HAZELDEAN AUTO SERVICE INC	K2S 1G3	836-3025
#607 CROMACK METAL	K2S 1G3	836-4426
513 CLIFF'S CAR CARE CENTRE		831-1549
600 GREEN DAVID PAINTING & DECORATING		836-5568
BUSINESSES 22		HOUSEHOLDS 3

SWIFT ST *(D)*

114Ⓝ Baart Jaco	K0A 1T0	832-8213

SWIFT ST

Address	cont'd Phone
115 Weber Gordon J	K0A 1T0 832-4204
118 Bacon E W	K0A 1T0 832-2001
Wallace J G	K0A 1T0 832-4391
123 Knappers Wm	832-4936
124 Beauregard M J	K0A 1T0 832-3495
Durham P H	K0A 1T0 832-3495
128Ⓝ Frodsham T D	K0A 1T0 832-0511
	HOUSEHOLDS 8

SYLVAIN RUE *(RO)*

2724 Michaud Donald	K4K 1S6	446-0188
2726 Lafontaine N	K4K 1S6	446-7735
2728Ⓝ Farmer Y	K4K 1S6	446-2899
2730Ⓝ Musicka S	K4K 1S6	446-3326
2732 Cipriani Vince ♠	K4K 1S6	446-0182
2733 Leduc Francois ♠	K4K 1S6	446-0163
2734Ⓝ Casault A & J	K4K 1S6	446-6682
2735 Beauregard Steve ♠	K4K 1S6	446-2285
2736Ⓝ Baily T	K4K 1S6	446-0109
2737Ⓝ Gervais Michel	K4K 1S6	446-3394
2738Ⓝ Houle G & G	K4K 1S6	446-5938
2739Ⓝ Bernard C ♠	K4K 1S6	446-4015
2740Ⓝ Iannitto R & A	K4K 1S6	446-1800
2746Ⓝ McCarthy Brian & Jane	K4K 1S6	446-2221
		HOUSEHOLDS 14

SYLVIE TERR *(O)*

292 Allan Ross & Shirley ♠	K1E 3L8	834-4493
293 Curry Syd	K1E 3L8	841-0353
294 RAMTEL CORPORATION	K1E 3L8	941-1499
Misener Ralph A ♠	K1E 3L8	834-8946
295 Gelinas P H ♠	K1E 3L8	841-2515
296 DESMARAIS ENTREPRISES	K1E 3M2	824-7754
HMS INDEPENDENT DISTRIBUTOR	K1E 3M2	824-7754
IMMUNOTEC IND DISTRIBUTOR	K1E 3M2	824-7754
SHAKLEE AGENT	K1E 3M2	824-7754
Desmarais Andre ♠	K1E 3M2	837-2269
297 Bissonnette M ♠	K1E 3M2	834-5196
298 Charbonneau Roch	K1E 3M2	830-7741
299 Proulx Benoit ♠	K1E 3M2	841-6658
300 Vokey Graham ♠	K1E 3M2	841-1222
301 Heyman James ♠	K1E 3M2	824-8896
302 Girard L ♠	K1E 3M2	841-5416
303 Hullin Thomas	K1E 3M2	837-7399
304 Baker Donald ♠	K1E 3M2	830-8041
305 Seguin A ♠	K1E 3M2	824-9168
306Ⓝ Annett T	K1E 3M2	841-5333
307 Charbonneau Rene ♠	K1E 3M2	824-2738
BUSINESSES 5		HOUSEHOLDS 16

TACHE WAY *(O)*

1612 Meighan R J ♠	K4A 2R7	837-1273
1614Ⓝ Cornell K ♠	K4A 2R7	841-2017
1616 Landel Pierre ♠	K4A 2R7	837-0131
1618 Perrault Eric ♠	K4A 2R7	824-6954
1620 Beales M ♠	K4A 2R7	830-7244
1622Ⓝ Clark S	K4A 2R7	590-7421
Whittla Grant & Martha ♠	K4A 2R7	841-1978
1623 Jolie Ron	K4A 2R8	834-7727
1625 Marinier Andre	K4A 2R8	824-9412
Provencal Lisa	K4A 2R8	841-9041
1627Ⓝ Mc Guire Jeff	K4A 2R8	834-9129
1628 Mc Nicoll D ♠	K4A 2R8	824-4914
1629 Moran S ♠	K4A 2R8	834-6442
1630 Clark John	K4A 2S1	830-7146
1631 Wentzell Keith ♠	K4A 2S3	824-9541
1632 Delcellier John A ♠	K4A 2S1	830-7004
1634 Venasse P & M ♠	K4A 2S1	830-4241
1635 Goudie Terry & Greta	K4A 2S3	830-3893
1636 Watson K ♠	K4A 2S1	824-0825
1637Ⓝ Poirier Rene	K4A 2S3	837-2196
1638 Major R & J ♠	K4A 2S1	834-2949
1639 Franklin D ♠	K4A 2S3	830-7103
1640 Holl R P	K4A 2S1	830-8527
1642 Sharkey N C & R ♠	K4A 2S1	830-8213
1644 Leduc C ♠	K4A 2S1	837-1975
1646 Caissie P ♠	K4A 2S2	830-7180
1648 Sevigny Ron ♠	K4A 2S2	837-9719
1650 Melo J	K4A 2S2	837-7791
1652 Briard David & Leslie ♠	K4A 2S2	841-0016
1654 Roy Glenn	K4A 2S2	830-9175
1656 Fournier L ♠	K4A 2S2	824-6577
ⓃFournier L	K4A 2S2	834-6590
1658 Lambourne L & M	K4A 2S2	824-0059
1662 Gagnon C	K4A 2S2	830-7057
1663 Loughrey J	K4A 2S3	834-9046
1664 Valks T	K4A 2S3	824-4795
1665 Albert Danny ♠	K4A 2S3	834-0629
1666 Mullin Paul	K4A 2S3	834-5136
1667 Desharnais P ♠	K4A 2T7	830-7743
1668 Bilik Alex ♠	K4A 2T6	824-5617
1669 Brule J & J	K4A 2T7	841-4551
1670Ⓝ Finlay Bruce	K4A 2T6	834-7895
1671 Tremblay Jeff ♠	K4A 2T7	841-8744
1672 Duquette D ♠	K4A 2T6	834-8080
1680 Marchant D ♠	K4A 2T6	841-5178
1681Ⓝ Schwilden Tim M & E ♠	K4A 2T7	837-6265
1682 Boaudin Ghislain ♠	K4A 2T6	837-4092
1686 Daley P ♠	K4A 2T3	830-1914
1687Ⓝ Mc Onald J A W	K4A 2T5	841-6989
1688 Sabourin Richard E ♠	K4A 2T3	830-9116
1689 Brandt S R ♠	K4A 2T5	834-4893
1690 Carty A E	K4A 2T3	841-1176
1691 Lever D J	K4A 2T5	834-7496
1692Ⓝ Clark Jason	K4A 2T3	590-2186
ⓃLee K	K4A 2T3	837-2996
1693 Wyonch K ♠	K4A 2T5	834-7118
1694 Perkins M ♠	K4A 2T3	824-0721
1695Ⓝ Holmes L K	K4A 2T5	837-1691
McKoy R	K4A 2T5	837-0119
1696 Martineau A ♠	K4A 2T3	830-2005
Martineau Allan ♠	K4A 2T3	837-2234
1697 Scully Patrick ♠	K4A 2T5	830-9627
1698 Verdon Paul ♠	K4A 2T3	830-3498
1699 Brunet F ♠	K4A 2T5	837-9520
1700 Flynn G R	K4A 2T3	824-9867
1701 Charney Richard	K4A 2T5	837-8450
1702 Cholette Danis ♠	K4A 2T4	837-1133
Kennett S	K4A 2T4	841-3868
1703 Kirkup Dwight & Colleen	K4A 2T5	841-4362
1704 Audette D	K4A 2T4	830-9310
Audette P	K4A 2T4	841-8445
1705 Maurice Mario D ♠	K4A 2T5	837-1156

1997 HAZELDEAN ROAD

SOURCE: POLKS

92

HAZELDEAN RD cont'd

Address	Phone
BENTLEY LEATHER INC	K2S 1B9 599-7255
DOLLAR BILL'S	K2S 1B9 599-8355
HAZELDEAN DENTAL GROUP	K2S 1B9 592-2900
JUST CURIOUS	K2S 1B9 592-3238
KANATA SHOE REPAIR	K2S 1B9 591-0832
LEISURE WORLD	K2S 1B9 591-8829
MRS VANELLI'S PIZZA & ITALIAN FOODS	K2S 1B9 592-9484
ODYSSEY BOOKS	K2S 1B9 592-4738
PARCHMENT & QUILL SHOP	K2S 1B9 592-3282
PET WORLD	K2S 1B9 592-3268
RECORDS ON WHEELS	K2S 1B9 592-9075
SECOND CUP LTD THE	592-9237
SHORNEY'S OPTICAL	K2S 1B9 592-4585
WORK WORLD	K2S 1B9 592-9578
WORK WORLD	K2S 1B9 729-3300
(A)Alleyn C	K2S 1B9 592-2900
Broadner Badges (2)	K2S 1B9 592-9236
(M)Merkley Burton L	K2S 1B9 592-2900
300 TROPIK SUN FRUIT & NUT	K2S 1B9 591-6194
415 BLOCKBUSTER VIDEO	K2S 1B9 599-1262
DAIRY QUEEN BRAZIER	K2S 1B9 591-8335
474 #10 BELCOURT CONSTRUCTION	K2S 1B9 836-3413
PIZZA HUT	K2S 1B9 836-7533
590 Catherwood C & M (2)	K2S 1B9 831-2234
Craig Eldon (2)	K2S 1B9 836-2654
613 Wilson Daniel & Jennifer (2)	K2S 1B9 831-3717
741(A)Pet Agree	K2S 1B9 831-4595
5601 Gardner S (2)	K2S 1B9 836-3252
5654 GUARDSMAN INSURANCE SERVICES INC	K2S 1B9 831-6300
(D)D'Aoust R Jr	K2S 1B9 836-1629
Watson Keith (2)	K2S 1B9 836-4355
5734 MED CLINIC	K2S 1B9 836-3004
(H)Holmes D & A	K2S 1B9 836-3525
Sweetnam C (2)	K2S 1B9 836-6467
Sweetnam Chris (2)	K2S 1B9 831-7162
Sweetnam D M (2)	K2S 1B9 836-3179
5816 CHEQUERS THE	K2S 1B9 836-1665
THE CHEQUERS	K2S 1B9 836-1665
5830 ALFONSETTI'S RISTORANTE ITALIANO	K2S 1B9 831-3008
(R)Ranieri T	K2S 1B9 831-4925
5862 KANATA COLLISION LINDRON EQUIPMENT INC	K2S 1B9 831-3397
STITTSVILLE AUTO GLASS LTD	K2S 1B9 831-2820
5872(H)Holmes T	K2S 1B9 831-4527
5877 Johnston Glen H (2)	K2S 1B9 831-4841
5879(B)Boeyen Joe	K2S 1B9 831-0103
5880(K)Keuhl T	K2S 1B9 837-7034
5883 CRAFTIQUES	K2S 1B9 831-0046
5884 Townson D (2)	K2S 1B9 836-2739
Townson Robt (2)	K2S 1B9 836-7483
5891 Kirchner Guenter (2)	K2S 1B9 836-4242
5900(P)Parsons F	K2S 1B9 836-1558
5903 Mac Fadyen F (2)	K2S 1B9 831-4104
5912 Wilson M (2)	K2S 1B9 836-1371
5915 Scott Glen (2)	K2S 1B9 836-5443
5923(L)Loates S	K2S 1B9 836-4141
Loates T R (2)	K2S 1B9 931-1409
5927(C)Crawford Roz	K2S 1B9 836-3775
5931 #C STATE FARM INSURANCE COMPANIES	K2S 1B9 831-4485
(H)#A Mama Linda	K2S 1B9 831-1799
#C Martinuk Jim (2)	K2S 1B9 831-8392
5933 CANTUSCI FRANK UPHOLSTERY	K2S 1B9 831-1799
FRANK CANTUSCI UPHOLSTERY	K2S 1B9 836-3541
5938 ESSO (IMPERIAL OIL)	K2S 1B9 836-3541
GENUINE AUTOMOTIVE SERVICE	K2S 1B9 836-3156
5977 LOVE PRINTING SERVICE LTD	K2S 1B9 831-8062
5986 HAZELDEAN MARTIAL ARTS CENTRE	K2S 1B9 831-5683
KANATA JAPAN KARATE ASSOCIATION	K2S 1B9 831-3622
THERIEN JIU-JITSU & KICKBOXING	K2S 1B9 831-3622
La Guff Glen (2)	K2S 1B9 831-3622
5992 COMMUNIQUE MOBILE SIGNS	K2S 1B9 831-0641
(S)Sharples A	K2S 1B9 836-2207
6001 RITCHIE FEED & SEED (1982) LTD	K2S 1B9 836-2553
6043 Bradley Arnold (2)	K2S 1B9 836-6880
6174 STITSVILLE MARKET	K2S 1B9 836-2215
6176 AUCTION CANADA KAVANAGH REALTY 1982 LTD	K2S 1B9 836-5616
STITSVILLE MARKET	K2S 1B9 836-5612
6231 SATORI CRAFT SERVICES LTD	K2S 1B9 831-1972
6310 FORAN R V'S LTD	K2S 1B9 836-1107
6423 Ledgerwood E (2)	K2S 1B9 831-8313
6463 Lacharity Earl (2)	K2S 1B9 836-6655
6559(L)Lacharity Earl	K2S 1B9 836-5071
Page Yvon (2)	K2S 1B9 836-1289
6640 EXCELSIOR TRUCK & TRAILER LEASING	K2S 1B9 836-2772
	K2S 1B9 836-7333

HAZELDEAN RD cont'd

Address	Phone
TRIPLE K TRANSPORT LTD	K2S 1B9 836-7333
6775 PERMACON OTTAWA	K2S 1B9 836-6194
6801 Tompkins George (2)	K2S 1B9 836-4184
6815 Tigho Peter (2)	K2S 1B9 836-1165
6950 Siu Phat (2)	K2S 1B9 831-1962
6960 Van Lunen T (2)	K2S 1B9 836-3144

BUSINESSES 50 HOUSEHOLDS 42

E HEALEY AVE (ST)

4 Orosz J A (2)	K2S 1J9 831-2749
5 Poirier Maurice (2)	K2S 1J9 831-2011
6 Anderson K D (2)	K2S 1J9 831-1206
9 Game Felix (2)	K2S 1K1 831-2998
10 Cochrane Brian (2)	K2S 1J9 831-1875
11 Augsten Rainer (2)	K2S 1K1 831-2763
12(R)Rawlins Barry	K2S 1K1 831-6269
Szczygiel Peter (2)	K2S 1K1 831-0915
14 Volkmer V A (2)	K2S 1K1 831-2756
15 Hurdman D (2)	K2S 1K1 831-2757
16 Volkmor Stephen (2)	K2S 1K1 831-2758
17 Bassett D E (2)	K2S 1K1 831-7138
18 Barnett D N Lcol (2)	K2S 1K1 831-0189
19 Parmenter Glenn (2)	K2S 1K1 836-3884
Parmenter Sarah (2)	K2S 1K1 836-7864
20 Goodwin Dean (2)	K2S 1K1 831-7138
(G)Goodwin S	K2S 1K1 836-6088
22 Rawlins Sassie (2)	K2S 1K1 836-7656
24 Grass Russell (2)	K2S 1K1 831-2769
36(M)Marshall Brian & Luba	K2S 1K1 836-3845
38(M)c Kibbon Wayne	K2S 1K1 831-2771
41 Badgley Robert (2)	K2S 1K1 836-5514

HOUSEHOLDS 22

W HEALEY AVE (ST)

7 Winney D L (2)	K2S 1J9 831-0364
9 SNOWDON & ASSOCIATES CHARTERED ACCOUNTANTS	K2S 1J9 831-2751
11 Meyer Tim (2)	K2S 1J9 836-7468
Powell Dana (2)	K2S 1J9 836-7458
15 Lafortune Robert (2)	K2S 1J9 831-2764
16 Curry M (2)	K2S 1J9 831-2028
17 Fanning Frank (2)	K2S 1J9 831-1675
Fanning Terry (2)	K2S 1J9 836-3299
18 Downes L F (2)	K2S 1K1 831-2765
19 Drummond Mac (2)	K2S 1K1 831-2766
20 Caba Wm (2)	K2S 1K1 831-2767
24 Falardeau K (2)	K2S 1K1 831-2104
Falardeau K (2)	K2S 1K1 831-2105

BUSINESSES 1 HOUSEHOLDS 12

HEARN CRES (ST)

4(O)Keating S	K2S 1R7 836-7480
(O)Odendaal F	K2S 1R7 836-7480
6 Higgins W S (2)	K2S 1R7 836-5983
8(G)Gauthier G	K2S 1R7 831-2574
9 Tremblay F (2)	K2S 1R1 831-8995
10 Copeland E (2)	K2S 1R7 836-6169

HOUSEHOLDS 6

HEARST WAY (K)

8 INFOGRAPHIC SYSTEMS INC	K2L 2P4 591-0762
10 ATOMIC ENERGY OF CANADA LIMITED (AECL)	K2L 2P4 831-2882
ENERGIE ATOMIQUE DU CANADA LIMITEE (EACL)	K2L 2P4 831-2882
NORPAK CORPORATION	K2L 2P4 592-4164
66 COLONIAL FURNITURE CO (OTTAWA) LTD	K2L 2P4 837-5900
OLYMPIA HOMES	K2L 2P4 599-9795
222 COMFORT INN	K2L 3A2 592-2200
260 1ST HOMES INC	K2L 3H1 592-0126
ARBELL INC	K2L 3H1 592-6989
BDM ACCOUNTING & TAX SERVICES	K2L 3H1 591-9521
BENEFITS ACCESS CONSOLIDATORS (BEACON)	K2L 3H1 599-1499
BOTTRIELL & ASSOCIATES ENGINEERING LTD	K2L 3H1 591-5926
BREAGAN GROUP INC THE	K2L 3H1 592-8581
CANADIAN PROFESSIONAL GOLFERS ASSOCIATION	K2L 3H1 591-0100
OTTAWA #5 CHIARELLI ENGINEERING LTD	K2L 3H1 592-5844
DALEY FERRARO ASSOC ENGINEERING SERVICES	K2L 3H1 599-9081
DAVIS CONTROLS RIDEAU LTD	K2L 3H1 591-2550
FIRST HOMES	K2L 3H1 592-0126
GLOVER FINANCIAL CORP	K2L 3H1 592-8201
GREGORY GEOSCIENCE LTD	K2L 3H1 599-7465
IMAGINEERING LIMITED	K2L 3H1 599-3539
INTELLISERV DATA PROFESSIONALS LTD	K2L 3H1 599-9750
K S L	K2L 3H1 592-5694

1997 SAVAGE DRIVE

SOURCE: POLKS

SARATOGA PL to SCANLON DR

SAUTERNE PK (O)

Address	Phone
71(M)aguire Lawrence	837-1287
1138 Soule C D (2)	K1C 2N8 837-4026
1139 Kadubiec R (2)	K1C 2H3 837-6397
1140 Hudon J-C (2)	K1C 2N8 824-8512
1141 Cloutier G (2)	K1C 2H3 834-2034
1143 Smith Allan G R (2)	K1C 2H3 837-1623
1144 Cantello G (2)	K1C 2N8 824-6741
Weber Michael (2)	K1C 2N8 824-6741
1145 Sirianni Frank (2)	K1C 2H3 837-1660
1146 Parkes D W (2)	K1C 2N8 824-6992
1148 Breton M (2)	K1C 2N8 837-0552
1149(R)ohde Horst	K1C 2H3 841-8902
1150 Hand G N (2)	K1C 2N8 837-0297
1152 Bedard Jacques (2)	K1C 2N8 837-7184
1154 Eberwein K (2)	K1C 2N8 830-1105
1155 Elrick R G (2)	K1C 2H3 830-8742
1156 Parent J (2)	K1C 2N8 830-2492
Sarault Robert (2)	K1C 2N8 834-3550
1157 Leclerc Lewis (2)	K1C 2H3 830-1183
1158 Parreault David (2)	K1C 2N8 837-3311
1159 Jardine Eldon (2)	K1C 2H3 830-2769
(J)ardine L	K1C 2H3 834-7616
1161 Boily E (2)	K1C 2H3 837-4029
Nichol Michael J (2)	K1C 2H3 837-4029
1162 Gadbois Ian (2)	K1C 2N8 837-4818
1163 Larmand M R (2)	K1C 2H3 824-7796
1164(S)tewart-Rivard M	K1C 2N8 837-2260
1165 Kelly Pat & Eloise (2)	K1C 2H3 837-4479
1166 Mac Donald Dan (2)	K1C 2N8 830-6772
1167 Tasse Germain & Louise (2)	K1C 2H3 837-7088
1168 Perreault R P J (2)	K1C 2N8 837-7783
1169 Webster Raymond A (2)	K1C 2H3 837-4521
1170 Avery G & C (2)	K1C 2N8 830-9229
1171 Maguire J (2)	K1C 2H3 837-7425
1172 Schiemann D G (2)	K1C 2N8 824-8709
1173 Hamel S (2)	K1C 2H3 830-3205
1175(E)rfle C & L	K1C 2H3 837-0535
Erfle Karl (2)	K1C 2H3 837-2992
1177 Charbonneau Joan & Pat (2)	K1C 2H3 830-1350
1181 Charron Richard (2)	K1C 2H3 824-7377
1183 Conrad A B (2)	K1C 2H3 830-6144
Romanow M L (2)	K1C 2H3 830-6144
1184 Steele Dean (2)	K1C 2N8 837-1774
1185 Altaee A (2)	K1C 2H3 841-5515
1186 Zhang Jianshun & Bing (2)	K1C 2N8 824-0639
1187 Cook George (2)	K1C 2H3 834-7918
1188 CHERLA SASTRY (2)	K1C 2N8 837-2481
1189 Noel L (2)	K1C 2H3 834-8563

BUSINESSES 1 HOUSEHOLDS 47

SAVAGE DR (ST)

2 MACDOUGALL SALES & SERVICE	836-2085
(T)aylor A	836-7032
4(B)lanchfield Randy	836-1676
Palmer D J (2)	831-2589
6(W)agstaff Bill & Teresa	836-5027
8(S)eadle R J	K2S 1B9 836-4390
9 Goyette Claude Pierre (2)	K2S 1B9 831-1814
10 Stafford J (2)	K2S 1B9 836-2109
11 Kozlo Allan (2)	K2S 1B9 831-6342
15 Bennett J (2)	K2S 1B9 836-1369
16 Larmour K (2)	K2S 1B9 831-0590
17 Gale Lisa (2)	K2S 1B9 831-8535
18 Cooke C A (2)	K2S 1B9 831-0438
(M)enard J	K2S 1B9 836-7660
19 Seymour Dave & Jill (2)	K2S 1B9 831-8250
20 Miller M (2)	K2S 1B9 831-3481
23 PREFERRED LIMOUSINE SERVICE	K2S 1B9 836-7251
Hickey K (2)	K2S 1B9 836-4828
25 Davidson F (2)	K2S 1B9 836-5812
26 K-DECK	K2S 1B9 836-6432
Klinger Mike (2)	K2S 1B9 831-0414
29(D)Smith D	K2S 1B9 831-0125
Smith Darryl I (2)	K2S 1B9 836-3304
30 Hanna T (2)	836-1536
34 Roth Brad & Michele (2)	K2S 1H4 836-3729
36 Mac Donald John Angus (2)	K2S 1H4 836-7095
38 Everest Joel (2)	K2S 1H4 836-4465
40 SIDCO CONSTRUCTION INC	K2S 1H4 831-6251
Lombardi G (2)	K2S 1H4 831-1175
44(C)haplin C	K2S 1H4 831-4658
46 Au C (2)	K2S 1H4 831-7060
Fung Mike (2)	K2S 1H4 831-3013
47 Wilson M (2)	K2S 1H4 831-0137
48 Dewar R (2)	K2S 1H4 836-1999
49(T)am W Y	K2S 1H4 831-3905
52 Jones R (2)	K2S 1H4 836-3719
53(C)repault B	K2S 1H4 831-2616
54 Crerar J & T (2)	K2S 1H4 836-7849
55(S)ullivan Mark	K2S 1H4 831-4626
56(B)oehm E	K2S 1H7 836-1683
57 Mac Gregor S (2)	K2S 1H7 831-3277
Ramsay R (2)	K2S 1H7 831-3277
Kendores K (2)	K2S 1H7 836-5340
Macgregor C (2)	K2S 1H7 836-5340
60 Quach Hon Du (2)	K2S 1H7 836-6172
61 Osman Ghassan (2)	K2S 1H7 831-2287
62 Osman Marwan (2)	K2S 1H7 831-8309
64 Jarvis Travis (2)	K2S 1H7 836-6460
65 Passfield M (2)	K2S 1H7 831-2354

BUSINESSES 4 HOUSEHOLDS 45

SAWMILL CREEK CRES (G)

184(W)right Tim	521-8029
1791(M)alby H	K1T 2E5 738-4608
1793(G)eorge D	K1T 2E5 736-7010
1795(C)sorogi G	K1T 2E5 731-1912
1797 Cavanagh Charles E (2)	K1T 2E5 523-1116
1799 Le Blanc Jamie (2)	K1T 2E5 521-8192
1804 Van Bregt Patricia (2)	K1T 2E6 247-1531
1806 Langlois Jen & Adam (2)	K1T 2E6 523-6211

SAWMILL CREEK CRES cont'd

Address	Phone
(L)arkin Virginia	K1T 2E6 523-6211
(M)offord Douglas	K1T 2E6 523-6211
1808(L)avoie Mario	K1T 2E6 736-6078
1810 Mc Lean John F (2)	K1T 2E6 521-9343
Mc Lean S M (2)	K1T 2E6 523-2678
1820(C)arty D & S	K1T 2E6 731-3677
1822(D)a Costa P	K1T 2E6 737-6555
1824(L)ins D J	K1T 2E6 731-5009
1826 Galley D (2)	K1T 2E6 526-1445
1832(M)cBride E	K1T 2E6 731-9220
1834(D)ionsthuber A	K1T 2E6 731-0733
(H)elferty Joan E	K1T 2E6 737-0650
1836(B)rind' Amour A	K1T 2E6 739-7218
1837 Gawthrop Christopher M (2)	K1T 2E5 521-4085
(G)awthrop M	K1T 2E5 521-5946
1838(S)loan D	K1T 2E6 523-2675
1839 Rowat M K (2)	K1T 2E5 521-7262
1841(H)ogbin B	K1T 2E5 733-9217
1843 Mac Laren J R (2)	K1T 2E5 521-1883
1844(D)oyle Kevin	K1T 2E6 521-1221
1846 St Joan C J (2)	K1T 2E6 523-4717
1848(C)umming J M	K1T 2E6 526-3341
1850(D)u Broy Allan	K1T 2E6 731-4482

HOUSEHOLDS 31

SAXONY CRES (CU)

1632(M)c Clendon Tanya	741-3334

HOUSEHOLDS 1

SAXONY CRES (G)

1600(L)acasse J C	746-9321
1600(L)apago N	K1B 5K6 747-7508
1602 WHITE KNIGHT PROMOTIONS	K1B 5K6 744-6145
(M)artell Gary	K1B 5K6 744-6721
1604(J)enkins John	K1B 5K6 741-3876
1605(M)orand Rene B	K1B 5K7 741-8681
1606 ST PIERRE YVAN ROOFING	K1B 5K6 746-4834
(C)yr L A	K1B 5K6 744-5164
1610(S)t-Cyr Yves	K1B 5K6 741-6455
1612(N)olan Jason & Joshua	K1B 5K6 741-6804
1614(T)uttle C	K1B 5K6 746-8864
1616(D)umais Michael	K1B 5K6 744-6315
1618(C)hampagne B	K1B 5K6 746-6577
1622(E)lliott David	K1B 5K6 744-1714
1624(M)urray Donald J	K1B 5K6 744-2091
1626(M)eating Geoff	K1B 5K6 741-8455
1628(A)rseneault C	K1B 5K6 744-6927
1630(P)igeon Jean	K1B 5K8 749-9932
1631(C)lough L	K1B 5K8 746-9252
(L)apalme Francois	K1B 5K6 746-9252
1634(B)rousseau L	K1B 5K6 749-8155
1635(C)ampbell Glen & Susan	K1B 5K8 746-7599
1636(D)reiling E	K1B 5K8 744-2206
1637(M)oreau P	K1B 5K8 741-7386
1638(R)anger D	K1B 5K6 746-6071
1639(M)in Hyungjong	K1B 5K8 744-2974
1640(G)rattan G M	K1B 5K6 744-4908
1641(S)nook D B	K1B 5K6 741-0685
1642(P)ilon Raymond	K1B 5K6 749-8998
1644(M)a Sheng Hub	K1B 5K8 748-1953
1646(L)andry J	K1B 5K8 744-0192
1647(B)ellefeuille G	K1B 5K8 744-2931
1649(E)ther Luc	K1B 5K8 741-3347
1650(D)avidson Roch	K1B 5K6 749-4507
1651(H)arkins John R	K1B 5K8 745-4085
1652(P)aquette Dan	K1B 5K8 744-6574
1653(L)anctot M	K1B 5K6 745-0762
1656(W)est D	K1B 5K6 746-0444
1662 DIOTTE ELECTRIC	K1B 5K6 748-5570
(D)iotte Richard	K1B 5K6 746-5669
1666(L)awranson R	K1B 5K8 744-8280
1668(D)eKorme Dan	K1B 5K8 747-7374
1669(W)ilson P	K1B 5K8 741-3134
1670(W)atson Scott	K1B 5K6 746-8461
1671(S)arkar A	K1B 5K6 746-3794
1672(F)eghali A	K1B 5K8 744-4644
1673(M)eszaros J B	K1B 5K6 746-2369
1674(N)icholls R W	K1B 5K8 746-2038
1675(S)mith Chris	K1B 5K8 741-7917
(S)mith David M	K1B 5K8 741-3065
1678(R)opaci Orlando	K1B 5K6 746-7806
1680(G)ilbert C	K1B 5K6 744-2443
(M)c Phail Kevin	K1B 5K6 744-3766
1682(B)radshaw Deanna	K1B 5K6 741-7361
(P)elot Clement	K1B 5K6 741-7361
1684(P)hong Edward	K1B 5K6 749-5598
1686(D)aigle Eric	K1B 5K6 744-7412
1688(P)imental John	K1B 5K6 741-6873
1690(L)epage G M	K1B 5K6 748-0783

BUSINESSES 3 HOUSEHOLDS 56

SCANLON DR (OS)

3301(H)arrington S	K0A 2W0 826-0714
3307(B)runet L & R	K0A 2W0 826-0658
3313(D)ettore John	K0A 2W0 826-1340
3318(M)c Clellan Stephen	K0A 2W0 826-0596
3324(C)osman Donald W	K0A 2W0 826-0891
3336(R)athwell Bill	K0A 2W0 826-1629
3342(K)ealey C & S	K0A 2W0 826-0684
3343(S)pring Chris & Louise	K0A 2W0 826-1100
3349(G)oodenough J Arthur	K0A 2W0 826-1334
(S)wift C	K0A 2W0 826-1334
3360(D)owney C	K0A 2W0 826-0111
3361(G)randville D	K0A 2W0 826-1690
(G)ranville Tom & Karen	K0A 2W0 826-1661
3366(K)ennaway J S	K0A 2W0 826-0867
3367(A)ndrew David	K0A 2W0 826-1167
3372(S)tewart I	K0A 2W0 826-0799
3373(L)arocque Christine	K0A 2W0 826-1216
3378(P)elletier P J	K0A 2W0 826-1441
3379(G)authier M	K0A 2W0 826-0844
3384(C)hapman Kenneth L	K0A 2W0 826-0853
3385(A)llard R J	K0A 2W0 826-0975
3390(F)orsythe D G	K0A 2W0 826-0471
3391(R)eaney B W	K0A 2W0 826-2683
3396(W)right S & J	K0A 2W0 826-0436

1997 SWEETNAM DR

SOURCE: POLKS

SUPERIOR CRT *cont'd*

Address		Phone
	Brown Randy ☑	K1C 6G8 834-2650
1377	Mott David ☑	K1C 6G6 834-3145
	Mott Peter ☑	K1C 6G6 824-5452
1379	Dean Gordon R ☑	K1C 6G6 841-7783
1381	Ⓟ Parent D	K1C 6G6 824-7464
1383	Lavergne Aurele ☑	K1C 6G6 824-2336
1385	Sato Paul ☑	K1C 6G6 837-9833
1387	Ⓧ Levesque Pat	K1C 6G6 830-6031
	Levesque Roger ☑	K1C 6G6 830-3049
1389	Noel Marcel ☑	K1C 6G7 824-7489

HOUSEHOLDS 13

SURREY LANE *(K)*

102	Connolly M ☑	K2L 1H8 831-1159

HOUSEHOLDS 1

SUTHERLAND DR *(M)*

1379	Palmerio Joseph ☑	K4M 1B3 692-2392
1393	Fletcher R R ☑	K4M 1B3 692-4927

HOUSEHOLDS 2

SWANS WAY *(G)*

15	Ⓝ Bijoor S	K1J 8W7 749-5191
20	Ⓝ Escaravage D & C	K1J 6H9 747-8060
24	Ⓝ Vijay Hari	K1J 6H9 748-7264
28	Ⓝ Khan F R	K1J 6H9 749-9316
29	Ⓝ Demink-Borst L	K1J 6H8 747-2205
	Ⓝ Demink-Borst L W	K1J 6H8 747-1459
32	Ⓝ Babchishin W C	K1J 6H9 744-5519

HOUSEHOLDS 7

N SWANS WAY *(G)*

1	Ⓝ Agis Ayaz	K1J 6J1 744-6729
2	Ⓝ Fouda Aly	K1J 6J2 741-4255
3	Ⓝ Bevilacqua M & E	K1J 6J1 742-8343
4	Ⓝ Rizk Michael & Miranda	K1J 6J2 746-9139
5	Ⓝ Hall Alex	K1J 6J1 745-2537
	Ⓝ Jackson Steve	K1J 6J1 745-2537

HOUSEHOLDS 6

S SWANS WAY *(G)*

10	Ⓝ Cooke B J	K1J 8X2 748-7958
15	Ⓝ Jobson G	K1J 8W7 747-7404

HOUSEHOLDS 2

SWEETNAM DR *(ST)*

7	DENNIS'S AUTO CENTRE	K2S 1G3 836-6485
8	CDS BUILDING MOVERS	K2S 1G2 836-1215
	CDS RENTAL SERVICE LTD	K2S 1G2 836-1215
	CDS STORE-ALL LTD	K2S 1G2 836-1223
	EQUINE COMMUNICATIONS	K2S 1G2 831-2928
	FRINGEWOOD HOMES	K2S 1G2 836-3005
	LAURENTIAN MOUNTAIN BUSINESS VENTURES SALES	K2S 1G2 836-6053
	M E D SERVI SYSTEMS CANADA LTD	K2S 1G2 836-3004
	MED-SERVI SYSTEMS CANADA LTD	K2S 1G2 836-3004
	STEPH-COM LTD	K2S 1G2 831-1275
	STORE-ALL LTD	K2S 1G2 836-1215
	Sweetnam J ☑	K2S 1G2 836-4578
	Ⓝ Watson J	K2S 1G2 831-4815
11	ABBOTSFORD TRUCK REPAIRS	K2S 1G3 836-2084
	JIM'S HITECH AUTO REPAIRS INC	K2S 1G3 831-1931
15	HAZELDEAN AUTO SERVICE INC	K2S 1G3 836-3025
	#607 CROMACK METAL	K2S 1G3 836-4426
513	CLIFF'S CAR CARE CENTRE	831-1549
600	GREEN DAVID PAINTING & DECORATING	836-5568

BUSINESSES 17 HOUSEHOLDS 2

SWIFT ST *(D)*

114	Ⓝ Kinsella M R	K0A 1T0 832-3247
115	WINDERMERE SERVICES	K0A 1T0 832-2046
	Ⓝ Cave T J	K0A 1T0 832-4204
118	Bacon E W ☑	K0A 1T0 832-2001
	Wallace J G ☑	K0A 1T0 832-4391
123	Knappers Wim ☑	K0A 1T0 832-4936
124	Durham P H ☑	K0A 1T0 832-3495
128	Ⓝ Anderson T L	K0A 1T0 832-3061

BUSINESSES 1 HOUSEHOLDS 7

SYCAMORE DR *(CU)*

1100	Ⓝ Forlin Jean P J	833-0917
1118	Ⓝ Owens B	833-0909
1124	Ⓝ Davis S	833-0935
1129	Ⓝ Lize P A	833-0933
1130	Ⓝ Yates R	833-0924
	Ⓝ Yates S	833-8391
1136	Ⓝ Baarda John	833-8334

HOUSEHOLDS 7

SYLVIE TERR *(O)*

268	Couture D ☑	K1E 3L8 824-9865
	Ⓝ Couture Donald	K1E 3L8 824-1351

SYLVIE TERR *cont'd*

Address		Phone
292	Ⓝ Allan Ross & Shirley	K1E 3L8 834-4493
293	Curry Syd ☑	K1E 3L8 841-0353
294	Misener Ralph A ☑	K1E 3L8 834-8946
295	Stanyer C ☑	K1E 3L8 834-7674
296	SHAKLEE AGENT	K1E 3M2 824-7754
	Desmarais Andre ☑	K1E 3M2 837-2269
297	Marleau P & C ☑	K1E 3M2 841-7922
298	Charbonneau Roch ☑	K1E 3M2 830-7741
300	Burke Lenus ☑	K1E 3M2 837-7210
301	Heyman James ☑	K1E 3M2 824-8896
302	Ⓝ Girard L	K1E 3M2 841-5416
303	Hullin Thomas ☑	K1E 3M2 837-7399
304	Baker Donald ☑	K1E 3M2 830-8041
305	Seguin A ☑	K1E 3M2 824-9168
306	Majdoub W ☑	K1E 3M2 834-4563
	Majdoub Walid ☑	K1E 3M2 841-6691
307	Charbonneau Rene ☑	K1E 3M2 824-2738

BUSINESSES 1 HOUSEHOLDS 18

TACHE WAY *(O)*

1612	Meighan R J ☑	K4A 2R7 837-1273
1614	Briggs G & L ☑	K4A 2R7 830-1572
1616	Landel Pierre ☑	K4A 2R7 837-0131
1618	Perrault Eric ☑	K4A 2R7 824-6954
1620	Beales D ☑	K4A 2R7 830-7244
1622	Ⓝ Whittle Grant & Martha	K4A 2R7 841-1978
1623	Jolie Ron ☑	K4A 2R8 834-7727
1625	Valks T ☑	K4A 2R8 824-4795
1627	Archambault Andre ☑	K4A 2R8 824-2645
1628	Mc Nicoll D ☑	K4A 2R8 824-4914
1629	Moran S ☑	K4A 2R8 834-6442
1630	Clark John ☑	K4A 2S1 830-7146
1631	Ⓝ Wentzell Keith	K4A 2S3 824-9541
1632	Delcellier John A ☑	K4A 2S1 830-7004
1634	Venasse P & M ☑	K4A 2S1 830-4241
1635	Goudie Terry & Greta ☑	K4A 2S3 830-3893
1636	Watson K ☑	K4A 2S1 824-0825
1637	Bryson R ☑	K4A 2S3 834-8548
1638	Major R & J ☑	K4A 2S1 834-2949
1639	Franklin D ☑	K4A 2S3 830-7103
1640	Holt R P ☑	K4A 2S1 830-8527
1642	Sharkey N C & R ☑	K4A 2S1 830-8213
1644	Leduc C ☑	K4A 2S1 837-1975
	Potvin J ☑	K4A 2S1 841-6325
1646	Ⓝ Caissie P	K4A 2S2 830-7180
1648	Sevigny Ron ☑	K4A 2S2 837-9719
1650	Lambert C ☑	K4A 2S2 830-7414
1652	Briard David & Leslie ☑	K4A 2S2 841-0016
1654	Roy Glenn ☑	K4A 2S2 830-9175
1656	Fournier L ☑	K4A 2S2 824-6577
1658	Lambourne L & M ☑	K4A 2S2 824-0059
1662	Gagnon C ☑	K4A 2S2 830-7057
1663	Ⓝ Loughrey J	K4A 2S3 834-9046
1664	Vincent R A ☑	K4A 2S3 837-0875
1665	Ⓝ Albert Danny	K4A 2S3 834-0629
	Laplante Gerald ☑	K4A 2S3 824-3312
	Laplante K ☑	K4A 2S3 824-3312
1666	Mullin Paul ☑	K4A 2S3 834-5136
1667	Desharnais P ☑	K4A 2T7 830-7743
1668	Bilik Alex ☑	K4A 2T6 824-5617
1669	Speevak D ☑	K4A 2T7 824-4467
1670	Morissette Carole E ☑	K4A 2T6 834-7842
	Walton Jann L ☑	K4A 2T6 834-7842
1671	Ⓝ Tremblay Jeff	K4A 2T7 841-8744
1672	Duquette D ☑	K4A 2T6 834-8080
1680	Ⓝ Merchant D	K4A 2T6 841-5178
1681	Ⓝ Veilleux Gilles	K4A 2T7 841-6750
1682	Beaudin Ghislain ☑	K4A 2T6 837-4092
1683	Crabtree Gerry ☑	K4A 2T6 830-9231
1686	Daley P ☑	K4A 2T3 830-1914
1687	Mc Donald J A W ☑	K4A 2T5 841-6989
1688	Sabourin Richard E ☑	K4A 2T3 830-9116
1689	Lavallee S & M ☑	K4A 2T5 824-8405
1690	Burke Dave ☑	K4A 2T3 830-8570
1691	Day D G ☑	K4A 2T5 834-7330
1692	Richard P ☑	K4A 2T3 830-9366
1693	Wyonch K ☑	K4A 2T5 834-7118
1694	Perkins M ☑	K4A 2T3 824-0721
1695	Ⓝ Holmes L K	K4A 2T5 837-1691
	Ⓝ Mc Koy R	K4A 2T5 837-0119
1696	Martineau A ☑	K4A 2T3 830-2005
	Martineau Allan ☑	K4A 2T3 837-2234
1697	Ⓝ Scully Patrick	K4A 2T5 830-9627
1698	Verdon Paul ☑	K4A 2T3 830-3498
1700	Flynn G R ☑	K4A 2T3 824-9867
1701	Charney Richard ☑	K4A 2T5 837-8450
1702	Cholette Denis ☑	K4A 2T4 837-1133
	Ⓝ Dorval Pierre	K4A 2T4 830-5488
1703	Ⓝ Labranche S	K4A 2T5 824-3446
1704	Audette D ☑	K4A 2T4 830-9310
	Audette P ☑	K4A 2T4 841-8445
1705	Maurice Mario D ☑	K4A 2T5 837-1156
1706	Maclean M ☑	K4A 2T4 830-8101
1707	Gervais Jean-Claude ☑	K4A 2T5 824-9784
1708	Olshesie B ☑	K4A 2T4 837-2249
1710	Mader L ☑	K4A 2T4 830-1939
1712	Carr J C ☑	K4A 2T4 824-0390
1714	Dupre Claude ☑	K4A 2T4 830-3085
1715	Shaw H ☑	K4A 2T5 830-3154
1716	Maillet Tom ☑	K4A 2T4 824-1841
1717	Bisson R ☑	K4A 2T5 830-4956
1719	Chan Nelson ☑	K4A 2T5 837-7327
1720	Chestnut R ☑	K4A 2T5 824-3606
1721	COUNTRY KITCHEN CATERING	K4A 2T2 834-9258
	Loan S F ☑	K4A 2T2 837-6908
1722	Bourdeau Paul G ☑	K4A 2S9 824-8301
1723	Graff Larry ☑	K4A 2T2 834-2941
1724	Plourde John ☑	K4A 2S9 824-3192
1725	Ⓝ Vermette Gerald	K4A 2T2 834-4650
1726	Mc Donald Brendan P ☑	K4A 2S9 830-6514
1728	Luff M ☑	K4A 2S9 824-1124
	Savard L ☑	K4A 2S9 824-1124
1729	Ⓝ Kiley J	K4A 2T2 837-4158
	Kiley Kevin ☑	K4A 2T2 837-4688
1730	Donovan Donald ☑	K4A 2S9 837-8916
1731	Grondin J ☑	K4A 2T2 837-0295
1732	O'Brien C & R ☑	K4A 2S9 830-9294
1733	Menard A ☑	K4A 2T2 830-5124

1994 HAZELDEAN ROAD

SOURCE: MIGHTS

RANGE NOT LISTED

1994 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1994 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1991 HAZELDEAN ROAD

SOURCE: MIGHTS

RANGE NOT LISTED

1991 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1991 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1987 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1987 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1987 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1981-82 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1981-82 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1981-82 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1976 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1976 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1976 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1971 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1971 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1971 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1966 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1966 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1966 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

1960 HAZELDEAN ROAD

SOURCE: MIGHTS

STREET NOT LISTED

1960 SAVAGE DRIVE

SOURCE: MIGHTS

STREET NOT LISTED

1960 SWEETNAM DR

SOURCE: MIGHTS

STREET NOT LISTED

APPENDIX G

TSSA Records

Outlook

RE: TSSA Search - Hazeldean/Savage - 104054.001

From Public Information Services <publicinformationservices@tssa.org>
Date Mon 2024-12-02 9:39 AM
To Nicole Soucy <nicole.soucy@gemtec.ca>

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
10134007	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED		FS PROPANE CYLR HANDLING FACILITY
10981731	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
10981746	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
10981774	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
10981790	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167544	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167560	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167563	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167567	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167572	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167580	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11167587	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
64870116	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	Propane	FS CYLINDER EXCHANGE
64884269	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
64884270	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
9454138	5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	Liquid Fuels	FS GASOLINE STATION - SELF SERVE

,

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

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

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

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

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

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at 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 2024 5-Star Safety Cultures Award

From: Nicole Soucy <nicole.soucy@gemtec.ca>
Sent: Monday, December 2, 2024 8:36 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Search - Hazeldean/Savage - 104054.001

Hello,

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Can I please have a search for tanks and elevating devices at the following addresses:

- 7 Savage Drive
- 5862, 5872, 5879, 5877, 5880, 5883, 5884, 5899 Hazeldean Road
- 3 Sweetnam Drive

All in Ottawa, Ontario.

Thanks,
Nicole

GEMTEC
Consulting Engineers and Scientists

Nicole Soucy, M.A.Sc., P.Eng., QP_{ESA}
Environmental Engineer
Ottawa, ON
tel: 613.836.1422 / toll-free: 1.877.243.6832
mobile: 613.929.5630 / fax: 613.836.9731

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Outlook

RE: Search Hazeldean & Savage

From Public Information Services <publicinformationservices@tssa.org>
Date Wed 2024-12-04 4:01 PM
To Nicole Soucy <nicole.soucy@gemtec.ca>

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
10359866	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Facility	FS PROPANE REFILL CNTR - CYLR FILL
10981809	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
10981818	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
10981833	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
10981842	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11615459	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11615471	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11615482	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11615489	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Liquid Fuel Tank	FS LIQUID FUEL TANK
11662830	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	EXPIRED	FS Propane Tank	FS PROPANE TANK
9835124	5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Abandoned	FS Facility	FS GASOLINE STATION - FULL SERVE

Inventory Number	Address	City	Province	Postal Code	Reason Code	Asset Class / Inventory Context	Asset Type / Inventory Item
64740582	5943 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	Liquid Fuels	FS GASOLINE STATION - SELF SERVE
64740583	5943 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
64740584	5943 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
64740585	5943 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	FS Liquid Fuel	FS LIQUID FUEL TANK
64740621	5943 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	Active	Propane	FS CYLINDER EXCHANGE

NO RECORDS FOUND IN CURRENT DATABASE:

- We confirm that there are NO **elevating/amusement/ski devices** records in our database at the subject address(es).

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

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

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

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

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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 2024 5-Star Safety Cultures Award

From: Nicole Soucy <nicole.soucy@gemtec.ca>
Sent: Wednesday, December 4, 2024 3:26 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Search Hazeldean & Savage

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Hello,

Can I please have a search for tanks and elevating devices at:

- 5938, 5943 Hazeldean Road

In Ottawa, Ontario.

Thanks,
Nicole

Nicole Soucy, M.A.Sc., P.Eng,, QP_{ESA}

GEMTEC
Consulting Engineers and Scientists

Environmental Engineer
Ottawa, ON
tel: 613.836.1422 / toll-free: 1.877.243.6832
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www.tssa.org

02 January 2025

Mohit Bhargav
GEMTC CONSULTING
ENGINEERS & SCIENTISTS
32 Steacie Drive
Ottawa ON K2K 2A9

Subject: 5899 Hazeldean Rd, Ottawa, ON, Canada, K2S 1B9
Your File No.: 104054.001
WO No.: 14516287

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested the release of information regarding the above noted address.

A search of TSSA public records **did not** locate any records relating to the following Program(s):

Program	No Record
Fuels Safety	☐
Boiler/Pressure Vessel	☐
Elevating & Amusement Devices	☐

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,

S. Thompson

Sherees Thompson
Public Information Services

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 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.*

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.

- Fuels Safety Division does not register
  - 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.

Inventory Address	Inventory City	Inventory Province	Inventory Postal Code	Asset Type / Inventory Item	Inventory Status Reason Code	Inventory Number	FS Propane Fixed Capacity	FS Capacity Level	FS Capacity	FS Capacity UOM	FS Corrosion Protection	FS Description	FS Fuel Type	FS Fuel Type 2	FS Installation Year	FS Tank Material	FS Tank Type Liquid
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS CYLINDER EXCHANGE	Active	64870116	0	L1	0	L							
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Active	64884269			35000	L	Fiberglass	compartment 20kL di	Diesel	Gasoline	2019	Fiberglass (FRP)	Double Wall UST
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Active	64884270			65000	L	Fiberglass		Gasoline		2019	Fiberglass (FRP)	Double Wall UST
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS GASOLINE STATION - SELF SERVE	Active	9454138	100000		100000	L							
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167580			13500		Sacrificial anode	2010VB FDF attchd to	Diesel		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167560			13500		Sacrificial anode	2010VB FDF attchd to	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167563			13500		Sacrificial anode	2010VB FDF attchd to	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167567			13500		Sacrificial anode	2010VB FDF attchd to	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167572			13500		Sacrificial anode	2010VB FDF attchd to	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167544			35000		Sacrificial anode	2010VB FDF attchd to	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS PROPANE CYLR HANDLING FACILITY	EXPIRED	10134007											
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	11167587			13500		Sacrificial anode	Duplicate Tank	Other		1991	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	10981790			13600		Sacrificial anode	Duplicate Tank	Diesel		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	10981731			13600		Sacrificial anode	Duplicate Tank	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	10981746			13600		Sacrificial anode	Duplicate Tank	Gasoline		1990	Steel	
5899 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	EXPIRED	10981774			13600		Sacrificial anode	Duplicate Tank	Gasoline		1990	Steel	

Outstanding.

Fuels Safety Program

Periodic Inspection - Facility Details Form

To be completed in conjunction with the Fuel Safety Inspection Report

Facility Address:	License Number:	File Number:
5899 HAZELDEAN RD STITTSVILLE K2S 1B9		FS 278700
	Facility Type: Gasoline Station - Self Serve	

TANK DETAILS	Tank 1 ☑UST☐AST	Tank 2 ☑UST☐AST	Tank 3 ☑UST☐AST	Tank 4 ☑UST☐AST	Tank 5 ☑UST☐AST	Tank 6 ☐UST☐AST
Fuel Type	N/A	N/A	N/A	N/A	N/A	N/A
Tank Size (litres)	35000	13500	13500	13500	13500	13500
Year of Tank Installation	1990	→	→	→	→	→
Tank Material	STEEL	→	→	→	→	→
Double Wall Tank	NO	→	→	→	→	→
Tank Protection	ANODE					
Piping Material	APT					
Double Wall Piping	Yes					
Piping Protection	FLEX					

Comments: ALL PIPE UPGRADED TO FLEX IN 2005

TANK ANODES REDONE AND LEAK ROOT INSTALLED AT THAT TIME

Inspectors Name: DAVE NORMAN **Date:** FEB 18/2010

** Please return only this form to Martina Perdue via fax (416-231-7525) or e-mail (mperdue@tssa.org)**

64492252

Via Email: gilles@mglproperties.ca

June 16, 2021

Our File Ref.: 130619

Mr. Gas Properties Ltd.
142 Felicity Crescent
Orleans, Ontario K1W 0C3

Attention: Gilles Guindon

Subject: Petroleum Hydrocarbon Contamination Delineation – Mr. Gas Gasoline Service Station
5899 Hazeldean Road, Stittsville, Ontario

Dear Mr. Guindon,

LRL Associates Ltd. (LRL) was retained by Mr. Gas Properties Ltd. to delineate the extents of the previously identified petroleum hydrocarbon contamination associated with the gasoline service station at 5899 Hazeldean Road, Stittsville, Ontario (herein referred to as the 'Site'). The Site is shown in **Figure 1**.

1 INTRODUCTION

1.1 Site Description

The Site under investigation is the Mr. Gas gasoline service station located at 5899 Hazeldean Road, Stittsville, Ontario. The Site's location is presented in **Figure 1**. The property is developed as a gasoline service station with a single-storey, slab on grade construction convenience store and an attached car wash.

Topography of the Site is generally flat with a slight slope to the northeast. The Site has a rectangular shape having approximate dimensions of 115 m wide (north-south) by 35 m deep (east-west), for an approximate area of 4 020 m² (0.99 acre). The Site is serviced by municipal water and sewage.

The southern portion of the Site is developed with a convenience store with an attached car wash, pump islands with overhead canopy and underground petroleum storage tanks. These features have been occupied the Site since at least the mid-1970's. The existing pump island, concrete apron as well as the underground storage tank installations and associated piping were replaced in May 2019. An addition to the northern portion of the convenience store was added in May 2019 as well. The remainder of the southern portion of the Site is asphalt parking and circulation area,

and the northern portion of the Site is grass landscaped area. The locations of these features are shown in **Figure 2**.

For the purpose of this report, Hazeldean Road will be inferred as being orientated in an east-west direction.

1.2 Previous investigations

LRL was previously retained in May 2019 to observe the removal of the former petroleum installations and establish the environmental conditions of the soil and groundwater during the redevelopment of the gasoline service station. The analytical results of the submitted soil samples identified remaining contamination along the northern portion of the excavation floor, along the south excavation wall, and along the southern portions of the east and west excavation walls, where visual and/or olfactory evidence of petroleum contamination was identified, or where the presence of petroleum hydrocarbon compounds (PHC) fraction F1 was identified at levels above the applicable site condition standards (SCS).

Furthermore, during the redevelopment activities, two (2) groundwater samples were collected from the excavation, and one (1) from an existing monitoring well immediately south of the tank nest excavation. PHC fractions F2, F3 and F4 were detected at concentrations above the applicable SCS in the monitoring well. In the groundwater collected from the excavation, benzene, ethylbenzene, hexane, methyl tert-butyl ether (MTBE), tetrachloroethylene, toluene, xylenes, and PHC factions F1, F2, F3 and F4 were detected at levels above the applicable SCS in one or both samples. It was recommended that an intrusive investigation be conducted to delineate the extent of the soil and groundwater impact and potential for off-Site impact.

The recommended intrusive investigation was conducted on the Site between October 7 and 10, 2019, and April 7, 2020. PHCs, VOCs, and lead, were analysed in soil and were not detected above the applicable standards in the samples submitted from the boreholes. It was not possible to delineate further horizontally toward the south and the southeast corner of the Site due to obstruction by the existing pump island, overhead power lines and buried utilities along Hazeldean Road, as well as the existing tank nest near the southeast corner of the Site. It was estimated that approximately 290 m^3 of petroleum hydrocarbon impacted soils remain on the Site. The full extent to the east and south is not confirmed, nor has it been verified if remaining impacts extend beneath the existing store structure. The details of the above delineation work are provided in the Petroleum Hydrocarbon Contamination Delineation Report dated June 5, 2020, prepared by LRL.

This report summarizes the work carried out on the Site between February 1 and 2, 2021 and May 6 and 7, 2021.

1.3 Scope of Work

The primary objective of this intrusive investigation was to further delineate previously encountered petroleum-impacted materials on the Site. LRL's scope of work was as follows:

- Advance an additional four (4) boreholes at strategic locations based on previous detections to allow for soil sampling;
- Complete the four (4) boreholes as monitoring wells in addition to the three (3) previous monitoring wells to assess hydrogeological conditions and facilitate groundwater sampling
- Submit representative soil and groundwater samples to an accredited laboratory for analysis of suspected parameters of concern; and

- Interpret results in relation to current provincial guidelines to determine subsurface soil and groundwater quality.

This report will present results of Site activities carried out between February 1 and 2, 2021 and May 6 and 7, 2021.

1.4 Applicable Site Condition Standards

Regulatory requirements for assessing environmental conditions of a site are established by Ontario Regulation 153/04 – *Records of Site Conditions, Part XV.1 of the Environmental Protection Act* (O. Reg. 153/04). SCS are set out in Ministry of Environment, Conservation and Parks (MECP) '*Soil, Ground Water and Sediment Standards for Use Under Part IV.1 of the Environmental Protection Act*, *April 15, 2011'*. The applicable site condition standard used was *Table 3: Generic Site Condition Standards in a Non-Potable Groundwater Condition.*

- The Site and surrounding properties within 250 m are serviced by municipal water;
- The more stringent criteria for coarse-grained soils was used;
- The Site is classified as commercial; and
- The Site is not considered environmentally sensitive.

2 INVESTIGATION METHOD

2.1 Field Preparation

Locations of all buried and overhead services were obtained by LRL prior to initiation of any subsurface investigation.

2.2 Borehole Drilling

The new four boreholes were advanced to depths between 2.45 and 3.8 m below ground surface (bgs) using a CME 55 truck-mounted drill rig equipped with 203 mm diameter hollow stem augers. The drilling contractor was CCC Geotechnical & Environmental Drilling Ltd. (Ottawa, Ontario) and worked under LRL field staff supervision. Soil samples were collected continuously using a split-spoon sampler of 0.6 m in length. Between each split-spoon, the sampling equipment was thoroughly cleaned.

Locations of the new and old boreholes are presented in **Figure 2**. Details of the borehole drilling are provided in the borehole logs in **Appendix A**.

2.3 Soil Sampling and Field Screening

Representative soil samples from each soil stratum encountered or split sampler were collected and transferred immediately into sealed laboratory-supplied glass jars and sealable plastic bags. Samples were examined for soil type, colour, staining/discolouration and odours. Samples were logged, labelled and stored on-Site in a cooler pre-chilled to below 10°C with ice to prevent evaporation of potential combustible soil vapours (CSV). Soil samples stored in bags were screened for CSV presence using a Mini Rae 2000 Photoionization Detector (PID).

2.4 Monitoring Well Installation

The Four (4) boreholes (BH21-1, BH21-2, BH21-3 and BH21-4) were completed as monitoring wells (herein referred to as MW21-1, MW21-2, MW21-3, and MW21-4). The monitoring wells were constructed within the 203 mm diameter boreholes with a 32 mm slotted PVC piezometer placed bisecting the groundwater table. The tops of the screens were extended to the ground surface using a solid riser PVC pipe. The annular space around the slotted portion of the piezometer was backfilled with pre-washed and graded silica sand up to 300 mm above the top of the screen. A bentonite seal of at least 300 mm was placed above the sand pack. The remaining backfill in the boreholes consisted of soil cuttings and/or additional sand. Monitoring wells were finished at the surface with a flush-mount aluminum cover.

Details of monitoring wells are provided in borehole logs in **Appendix A**.

2.5 Elevation Surveying

Ground surface elevations and the tops of all new monitoring well risers were surveyed and referenced to a temporary benchmark. Subsequent measurements of water elevations were made in reference to top of well risers. This benchmark was established as the center of the storm sewer manhole cover located in the southeastern corner of the Site. It was given an arbitrary elevation of 100.00 m. The location of the benchmark as well as the groundwater elevations are presented in **Figure 2**.

2.6 Groundwater Monitoring and Sampling

Based on the groundwater monitoring completed in 2019 and 2020, LRL chose to delay groundwater sampling to spring 2021 in order to ensure water would be present in the overburden. LRL visited the Site on May 6 and 7, 2021 to collect samples from the previously installed monitoring wells and the newly installed monitoring wells. Headspace vapour measurements for volatile organic compounds (VOC) were measured in each monitoring well immediately after removing the cap, prior to purging and sampling using a Mini Rae 2000 PID. VOC concentrations were measured by placing the combustible soil vapour nozzle at least 15 cm below the top of the casing and recording the peak VOC reading.

Newly installed wells were instrumented with dedicated LDPE tubing to facilitate well development, purging and sampling requirements. Prior to sampling, water levels were measured using an electronic water level meter and reduced to static elevations based on monitoring well survey data. All monitoring wells (7 wells) and the observation well OB1 was purged (three well volumes) using dedicated LDPE tubing and foot valve. Purge water was observed for colour, sheen or odour. Using a dedicate bailer and LDPE tubing, groundwater was transferred into laboratory supplied water bottles. Samples were logged, labelled and stored on-Site in a cooler pre-chilled to below 10°C with ice to prevent evaporation of VOCs while awaiting laboratory submission.

At the time of the groundwater sampling event on May 6 and 7, 2021, monitoring well MW19-4 found to have “dry” condition, with insufficient groundwater volume for development and sampling. No groundwater samples were collected from MW19-3.

A field duplicate groundwater sample was collected from monitoring well MW20-3 and submitted for laboratory analysis (MW20-5).

2.7 Analytical Testing

Representative soil and groundwater samples collected during the investigation were submitted for laboratory analysis. Samples were submitted to Paracel Laboratories Ltd., Ottawa, ON, for the following contaminants of concern: VOC or BTEX for select samples, PHC fractions F1 (C6 – C10), F2 (>C11 – C16), F3 (>C16 – C34), and F4 (>C34) and lead. As a result of low sample matrix in monitoring well MW19-4, insufficient volume was available for the sampling and analysis of lead.

Laboratory Certificates of Analysis are included in **Appendix B**. All remaining samples not analyzed will be kept in storage for a period of one (1) month following submission of this report at which time they shall be disposed of unless a written or verbal notice is received, stating otherwise.

2.8 QA/QC Protocols

Quality assurance/quality control (QA/QC) protocols were followed during the borehole drilling and sampling to ensure that representative samples were obtained. The protocols were generally performed in accordance with the following;

- Ontario Ministry of the Environment (MOE) *"Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario",* revised February 1997.
- MOE *"Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04",* June 2011.

Field protocols that were employed include:

- All field-screening devices, such as a combustible gas detector, were calibrated prior to use, to ensure accuracy and reliability of readings;
- Thorough decontamination of all drilling and sampling equipment. Dedicated sampling equipment was used where possible;
- Soil samples collected were placed in laboratory-supplied glass sample jars or bottles;
- Thorough documentation of all field activities and sample handling practices including field notes, chain of custody forms, memos to files, etc.;
- Samples were submitted to a laboratory which is certified by the Canadian Association for Laboratory Accreditation (CALA); and
- A field duplicate of soil sample MW21-2-16 and groundwater sample MW20-3 were submitted for analysis to measure relative percent differences and verify sample quality.

Other QA/QC procedures conducted by LRL are outlined in the methodologies detailed below.

2.9 Review and Evaluation

2.9.1 Geology

The subsurface stratigraphy encountered in the boreholes generally consisted of pavement structure from ground surface to 0.15 m bgs, followed sand and gravel fill between 0.15 and 0.6 bgs, followed by loam to between 0.4 and 1.5 m bgs, then till to the termination depths between 2.45 and 3.8 m bgs, where auger refusal was met over inferred bedrock, or dense subsurface conditions.

Detailed borehole logs of are presented in **Appendix A**. The locations of the boreholes are shown in **Figure 2**.

2.9.2 Groundwater Elevations & Flow Direction

Static groundwater levels measured at all monitoring wells at the time of the sampling event on May 7, 2021 are summarized in **Table 1**. Groundwater depths measurements were between 1.45 and 2.73m bgs, which corresponded to elevations between 97.72 and 99.08 m. Groundwater elevations are shown in **Figure 3**. Based on these elevations, the groundwater flow direction on the Site is interpreted to be towards the south to southwest.

2.9.3 Soil: Field Screening

No olfactory or visual (i.e. staining or free phase) evidence of petroleum hydrocarbon impacts were observed in soil samples collected from the boreholes.

CSV concentrations were measured in all soil samples collected. The concentrations ranged between non-detect (<0.1 ppm) and 8.3 ppm. The measurements are summarized in the borehole logs in **Appendix A**.

3 DATA INTERPRETATION AND ASSESSMENT

3.1 Soil Quality

The results of the soil analysis and respective MECP SCS are presented in **Table 2** . Select worst-case soil samples from each borehole were submitted to the laboratory for chemical analysis of PHC F1-F4, VOC (namely BTEX) and lead. The results of the samples were not detected or were detected at concentrations below the applicable SCS; PHC F1-F4 were not detected at concentrations below the applicable SCS in all samples, also lead was not detected in all samples at levels below the SCS.

3.2 Groundwater Quality

At the time of LRLs Site visit on May 6, 2021 Headspace VOC levels measured and were reported to be as follows: OW1 (0.3 ppm); MW19-2 (0.2 ppm); and MW19-3 (0.4 ppm); MW21-1 (0.3 ppm); MW21-2 (0.2 ppm); MW21-3 (1.1 ppm); and MW21-4 (1.9 ppm); As previously mentioned, dry condition was encountered in the groundwater monitoring well MW19-4.

At the time of LRLs Site visit on May 7, 2021 Headspace VOC levels measured and were reported to be as follows: MW21-1 (0.8 ppm); MW21-2 (0.3 ppm); MW21-3 (35.6 ppm); and MW21-4 (0.9 ppm).

At the time of LRLs visit on May 6 and 7, 2021 No visual (iridescent sheen or free phase product) or odour inactive of petroleum hydrocarbon evidence was encountered in the water purged and collected from the monitoring except for MW20-3 and MW20-4 where odour observed, and observation well OB1 where odour and sheen observed.

Groundwater analysis results and respective MECP SCSs are summarized in **Table 3**. VOC, PHC and lead parameters analysed were not detected in MW19-2, MW19-3, MW21-2, MW21-4.

The following parameters were detected:

- OB1: PHC odour and sheen were noted in OB1, however the Benzene (2.7 µg/L) and methyl tert-butyl ether (7.1 µg/L) were detected in the sample collected from this well, however the levels were reported below the applicable Table 3 SCS of 44 and 190 µg/L, respectively.
- MW21-1: methyl tert-butyl ether (50.3 µg/L) was detected in the sample collected from this well, however the level was reported below the applicable Table 3 SCS of 190 µg/L.
- MW21-3 (duplicate sample MW21-5): Benzene (2.6 µg/L), Ethylbenzene (1750 µg/L), Styrene (5.7 µg/L), and Xylenes, total (960 µg/L) were detected in the sample collected from MW21-3, however the levels were reported below the applicable Table 3 SCS of 44, 2300, 1300, 4200 µg/L, respectively. Also, PHC F1 (C6-C10) in the sample collected from MW21-3 was detected at the level of (2550 µg/L), this reported level is more than the applicable Table 3 SCS of 750 µg/L.

4 CONCLUSIONS AND RECOMMENDATIONS

Based on our field observations and laboratory analyses, PHCs, VOCs and lead were not detected above the applicable standards in the soil samples submitted from the four new boreholes. Previous investigations have shown that petroleum-impacted soils remain along the final southern wall of the former UST excavation, as well as along the southern portions of the east and west walls and the base of the northern portion of the excavation. The 2021 soil data confirms that the soil impacts are limited to the Site and do not extend off Site to the east or south. Based on the information available to date and using a conservative approach to estimate the extent of the remaining impacts (halfway to the known clean location), it is estimated that approximately 290 m^3 of petroleum hydrocarbon impacted soils remain on the Site. It has not been verified if remaining impacts extend beneath the existing store structure. The estimated extent of remaining PHC impacted soil is presented in **Figure 4**.

The laboratory analysis of the overburden groundwater samples collected from the newly installed and existing groundwater monitoring wells at the Site has revealed that levels of petroleum-based parameters of concern, including lead, were not detected or detected at levels below the SCS, with the exception of MW21-3. The previously identified elevated PHC concentrations to the south of the UST excavation at MW3 (now destroyed) were verified in this program by elevated PHC F1 concentrations which exceeded Table 3 SCS at MW21-3 (approximately same location as MW3. Additionally, PHC odour and sheen were noted in purge water from OB1, but analysis showed no detections of petroleum hydrocarbon parameters in the groundwater.

Based on the analytical results from the groundwater samples collected in 2020 and 2021, the overburden groundwater across the Site is in accordance with the applicable SCS with the exception of MW21-3 which exceeded Table 3 SCS in 2021. Due to this exceedance it is possible that groundwater PHC impacts are present off-Site into the City of Ottawa's Hazeldean Road right of way to the south.

It is recommended that the City of Ottawa be contacted regarding the potential impacts beneath the right of way to discuss next steps. Due to the use of the property as a roadway, the risk associated with the residual impacts to the south are considered low. The parcel of land is generally used as a highly traveled roadway (Hazeldean Road) and subsurface utility corridor with adjoining sidewalks, and as such the potential exposure is negligible due to the activities and concealing layer of pavement/concrete structure.

It is recommended that if the groundwater monitoring wells are not required for future monitoring purposes, they should be decommissioned prior to any construction activities, in accordance with O. Reg. 903.

5 LIMITATIONS AND USE OF REPORT

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

Findings contained in this report are based on data and information collected during the fieldwork conducted on the subject property by LRL Associates Ltd. Conclusions and recommendations are based solely on the Site conditions encountered at the time of our fieldwork between February 1 and 2, 2021 and May 6 and 7, 2021. No assurance is made regarding changes in conditions subsequent to the time of this investigation. If additional information is discovered or obtained, LRL Associates Ltd. should be requested to re-evaluate conclusions presented in this report and to provide amendments as required.

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

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

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

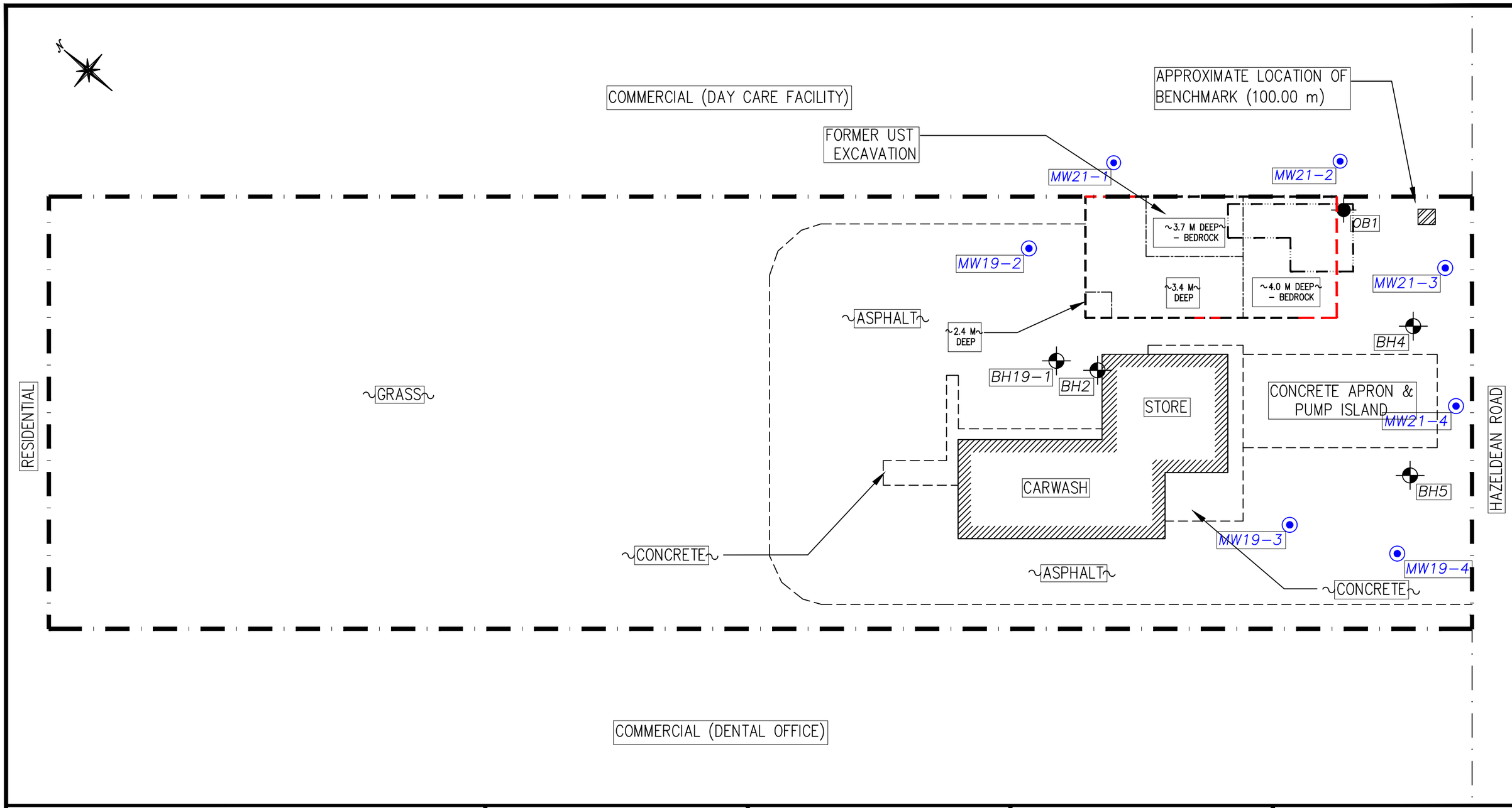
Yours truly,
LRL Associates Ltd.

Abdul Kader Alhaj Teben
Jr. Environmental Technician

Alex Wood, P.Eng.
Lead Environmental Engineer

Encl. Figure 1 – Site Plan & Borehole/Monitoring Well Locations
Figure 2 – Groundwater Elevation and Contours – May 7, 2021
Figure 3 – Groundwater Exceedances and Estimated Extent of Plume
Figure 4 – Estimated Extent of Remaining Petroleum Hydrocarbon Impacted Soil
Table 1 – Summary of Ground Surface and Groundwater Elevations (May 7, 2021)
Table 2 – Summary of Soil Analysis Results – VOC, PHC, and Lead
Table 3 – Summary of Groundwater Analysis Results - PHC, VOC & Lead
Appendix A Borehole Logs
Appendix B Laboratory Certificates of Analysis

FIGURES



LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- PREVIOUS EXCAVATION LIMITS WITH EVIDENCE OF PHC LIMITS
- APPROXIMATE EXTENT OF EXISITNG USTs
- MW99 — MONITORING WELL
- BH99 — BOREHOLE
- (99.99) — GROUND SURFACE ELEVATION
- OBXX — TANK NEST OBSERVATION WELL

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
01	FINAL	VW	01/04/2020

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CLIENT

MR. GAS LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
V.W.	V.W.	M.W.

PROJECT

PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

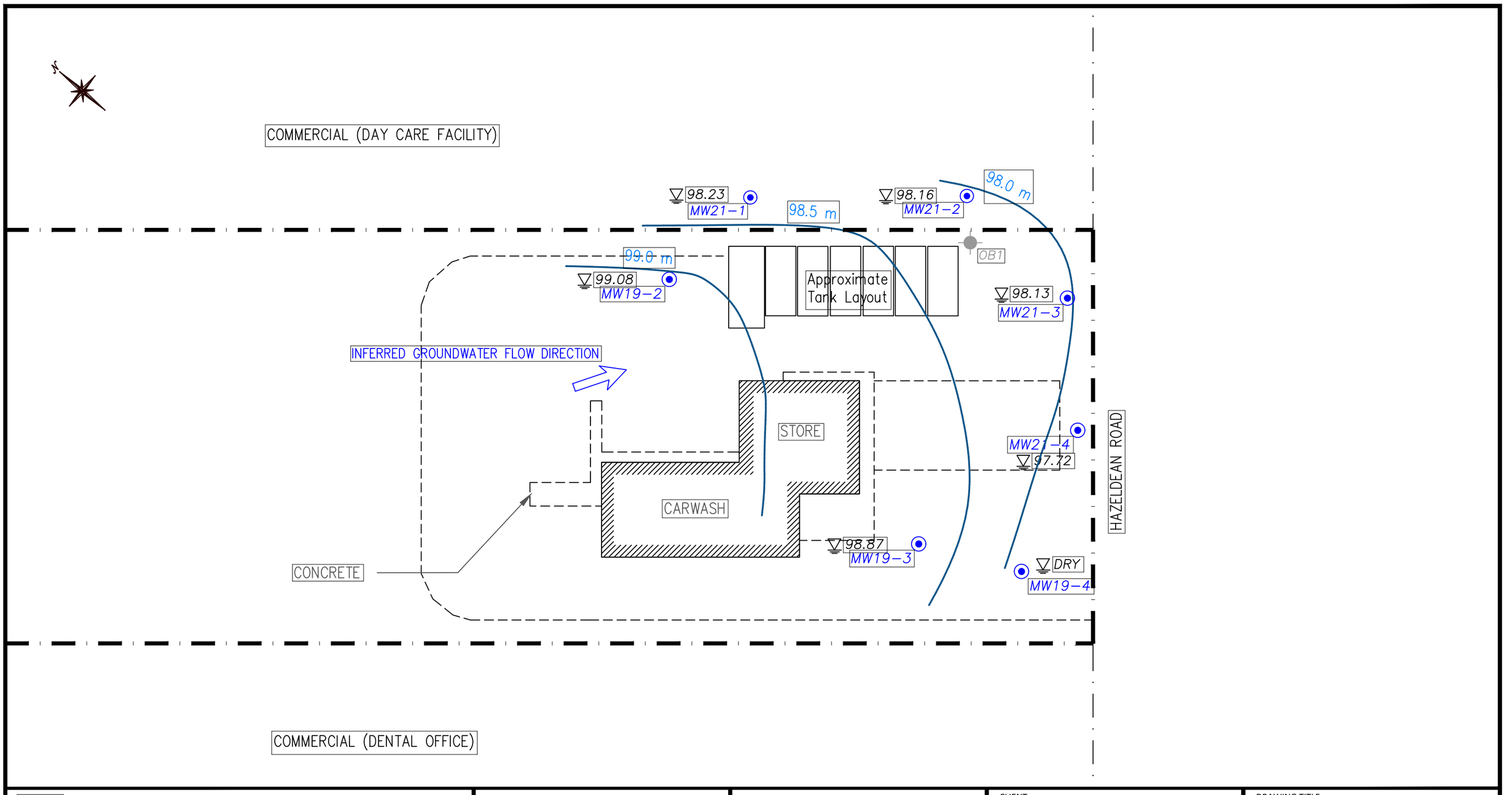
DRAWING TITLE

SITE PLAN AND BOREHOLE & MONITORING WELL LOCATIONS

PROJECT NO.
130619

DATE
JUNE 2021

FIGURE 2



LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- PREVIOUS EXCAVATION LIMITS WITH EVIDENCE OF PHC LIMITS
- APPROXIMATE EXTENT OF EXISITNG USTs
- MW99 — MONITORING WELL
- BH99 — BOREHOLE
- (99.99) — GROUND SURFACE ELEVATION
- OBXX — TANK NEST OBSERVATION WELL
- CONSTANT LINE OF GROUNDWATER HEIGHT

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
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PROJECT
PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
GROUNDWATER LEVELS & CONTOURS
MAY 7, 2021

PROJECT NO.
130619

DATE
JUNE 2021

FIGURE 2

MW21-3 Water Sample EXCEEDANCES		
Groundwater Parameter	Table 3 SCS (µg/L)	Value (µg/L)
		5/21/2021
PHC F1	750	2325

COMMERCIAL (DAY CARE FACILITY)

ESTIMATED EXTENT OF IMPACTED GROUNDWATER PLUME

FORMER UST EXCAVATION

MW21–1

MW21–2

OB1

MW21–3

~3.7 M DEEP – BEDROCK

~3.4 M DEEP

~4.0 M DEEP – BEDROCK

?

?

?

MW19–2

ASPHALT

~2.4 M DEEP

GRASS

STORE

CONCRETE APRON & PUMP ISLAND

MW21–4

HAZELDEAN ROAD

CARWASH

MW19–3

MW19–4

CONCRETE

ASPHALT

CONCRETE

COMMERCIAL (DENTAL OFFICE)

LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- PREVIOUS EXCAVATION LIMITS WITH EVIDENCE OF PHC LIMITS
- APPROXIMATE EXTENT OF EXISITNG USTs
- MW99 — MONITORING WELL
- BH99 — BOREHOLE
- (99.99) — GROUND SURFACE ELEVATION
- OBXX — TANK NEST OBSERVATION WELL
- ESTIMATED EXTENT OF IMPACTED GROUNDWATER

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
01	FINAL	VW	01/04/2020

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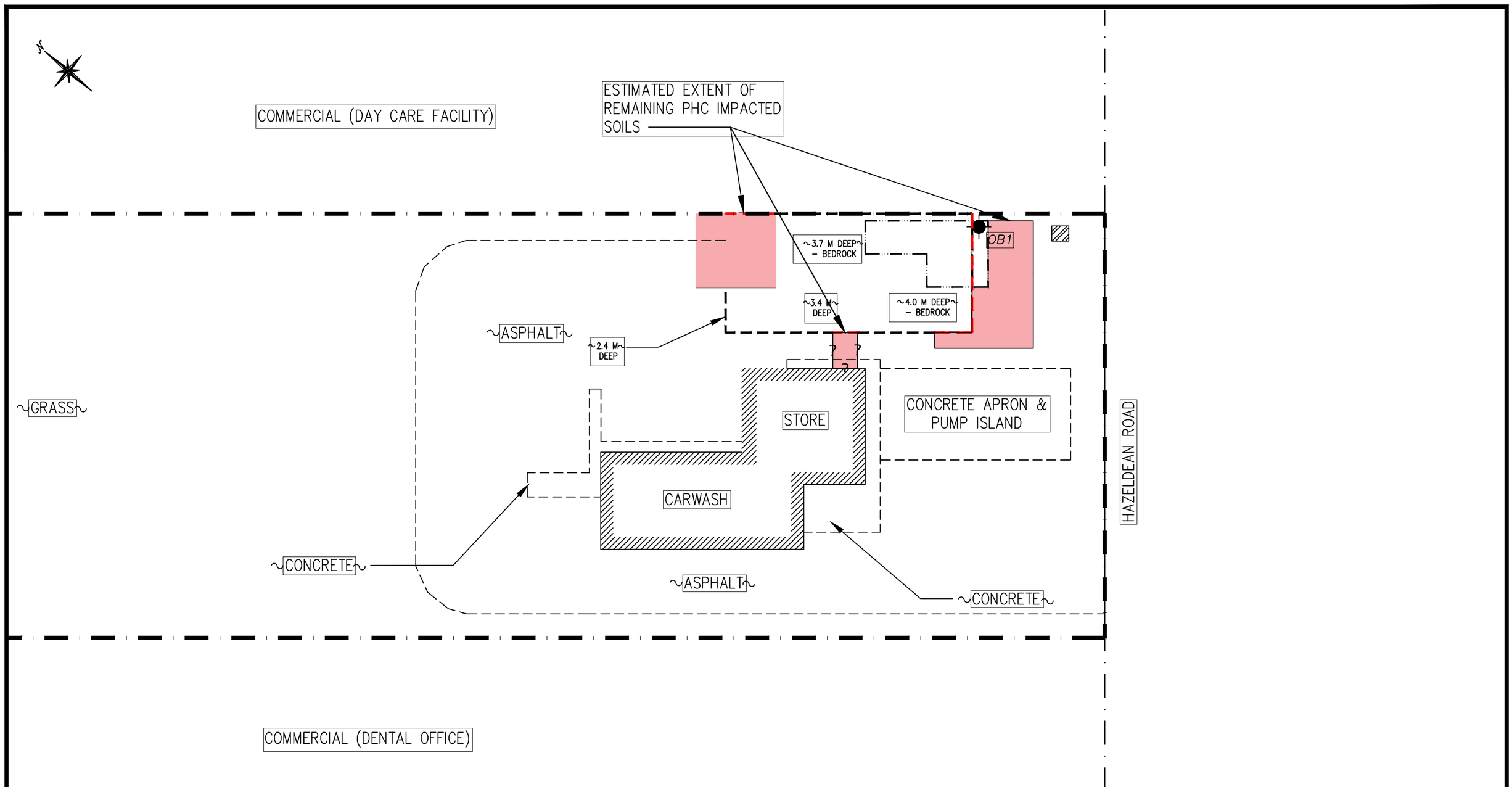
PROJECT
PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
GROUNDWATER EXCEEDANCES AND ESTIMATED EXTENT OF PLUME

PROJECT NO.
130619

DATE
JUNE 2021

FIGURE 3



LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- PREVIOUS EXCAVATION LIMITS WITH EVIDENCE OF PHC LIMITS
- APPROXIMATE EXTENT OF EXISTING USTs (FULL EXTENT OF IMPACTS NOT CONFIRMED)
- APPROXIMATE EXTENT OF EXISITNG USTs

- MW99 — MONITORING WELL
- BH99 — BOREHOLE
- (99.99) — GROUND SURFACE ELEVATION
- OBXX — TANK NEST OBSERVATION WELL
- ESTIMATED EXTENT OF IMPACTED SOIL

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
01	FINAL	VW	01/04/2020

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PROJECT
PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
ESTIMATED EXTENT OF REMAINING PETROLEUM HYDROCARBON IMPACTED SOILS

PROJECT NO.
130619

DATE
JUNE 2021

FIGURE 4

TABLES

Table 1
Summary of Groundsurface and Groundwater Elevations (May 07, 2021)
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Monitoring Well	Ground Surface Elevation[1] (m)	Reference Elevation[2] (m)	Depth To Water Table (m)		Groundwater Elevation (m)
			Ground Surface	Reference Point	
MW19-2	100.67	100.53	1.54	1.45	99.08
MW19-3	100.72	100.59	1.85	1.72	98.87
MW19-4	100.73	100.61	Dry	Dry	Dry
MW21-1	100.12	100.07	1.89	1.84	98.23
MW21-2	99.98	99.93	1.82	1.77	98.16
MW21-3	100.24	100.17	2.11	2.04	98.13
MW21-4	100.54	100.45	2.82	2.73	97.72

NOTES

[1] Elevations referenced from the center of the storm sewer manhole cover at the southeastern corner of the Site (elevation = 100.00 m).

[2] Reference elevation is top of PVC riser.

Table 2
Summary of Soil VOC, PHC and Lead Analysis Results
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse-Textured Soil	2019 Samples					2021 Samples				
				BH19-1-8	MW19-2-12	MW19-2-14	MW19-3-22	MW19-4-29	MW21-1-33 (Mislabeled as MW21-4-33)	MW21-2-28 (Mislabeled as MW21-3-28)	MW21-3-16 (Mislabeled as MW21-2-16)	MW21-2-17 (Dup of 16) (Mislabeled as MW21-3-17)	BH21-4-8 (Mislabeled as BH21-1-8)
Sample Date (d/m/y)			--	10-Oct-2019	10-Oct-2019	10-Oct-2019	10-Oct-2019	10-Oct-2019	1-Feb-2021	1-Feb-2021	1-Feb-2021		1-Feb-2021
Depth	m		--	3.0 - 3.7	1.2 - 1.8	2.4 - 3.0	2.4 - 3.0	1.8 - 2.4	1.2 - 1.8	1.8 - 2.4	2.4 - 3.0		3.4 - 3.7
CSV Readings[3]	ppm	0.1	--	0.5	0.7	0.5	0.4	0.4	0.2	0.5	5.5		2.1
Physical Characteristics													
% Solids	% by wt.	0.1	--	92.8	93.5	94.3	93.3	91.6	91.4	89.1	92.1	92.0	84.2
Metals													
Lead	µg/g dry	1.0	120	4.6	4.9	4.4	2.5	3.8	1.9	2.9	3.2	2.8	1.6
Volatile Organic Compounds (VOC)													
Acetone	µg/g dry	0.50	16	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	µg/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	µg/g dry	0.05	18	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	µg/g dry	0.05	0.61	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	µg/g dry	0.05	0.21	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	µg/g dry	0.05	2.4	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	µg/g dry	0.05	0.47	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	µg/g dry	0.05	13	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	µg/g dry	0.05	16	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	µg/g dry	0.05	6.8	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	µg/g dry	0.05	9.6	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	µg/g dry	0.05	0.2	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	µg/g dry	0.05	17	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	µg/g dry	0.05	0.064	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethylene	µg/g dry	0.05	55	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	µg/g dry	0.05	1.3	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	µg/g dry	0.05	0.16	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,3-Dichloropropylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,3-Dichloropropylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene, total	µg/g dry	0.05	0.18	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	µg/g dry	0.05	9.5	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.17	0.13	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane	µg/g dry	0.05	46	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	µg/g dry	0.50	70	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	µg/g dry	0.50	31	--	<0.50	<0.50	--	--	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	µg/g dry	0.05	11	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	µg/g dry	0.05	1.6	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	µg/g dry	0.05	34	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	µg/g dry	0.05	0.087	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	µg/g dry	0.05	4.5	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	µg/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	µg/g dry	0.05	6.1	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	µg/g dry	0.05	0.91	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	µg/g dry	0.05	4	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	µg/g dry	0.02	0.032	--	<0.02	<0.02	--	--	<0.02	<0.02	<0.02	<0.02	<0.02
m/p-Xylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	µg/L dry	0.05	26	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbon Compounds (PHC)													
F1 PHCs (C6-C10)	µg/g dry	7	55	<7	<7	<7	<7	<7	<7	<7	<7	<7	<7
F2 PHCs (C10-C16)	µg/g dry	4	230	<4	<4	<4	<4	<4	<4	<4	<4	<4	<4
F3 PHCs (C16-C34)	µg/g dry	8	1700	<8	247	<8	<8	<8	<8	<8	<8	<8	<8
F4 PHCs (C34-C50)	µg/L dry	6	3300	<6	215	<6	<6	<6	<6	<6	<6	<6	<6

NOTES:
[1] MECP's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*
[2] Table 3: Generic Site Condition Standards for Use in a Non-Potable Groundwater Condition, commercial property use.
[3] Combustible soil vapour concentrations measured with a MiniRAE 2000 PID
MDL Method Detection Limit
-- No Value/Not Analysed
PHC Petroleum Hydrocarbon Compounds
BOLD Above Table 3 Site Condition Standard

Table 3
Summary of Groundwater Analysis Results - PHC, VOC & Lead
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville,Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse-Textured Soil	Sample												
				MW19-2		MW19-3		MW19-4		OW1/OB1		MW21-1 (Mislabelled as MW20-1)	MW21-2 (Mislabelled as MW20-2)	MW21-3 (Mislabelled as MW20-3)		MW21-4 (Mislabelled as MW20-4)
Sample Date (d/m/y)			--	7-Apr-2020	7-May-2021	7-Apr-2020	7-May-2021	7-Apr-2020	7-May-2021	7-Apr-2020	7-May-2021	7-May-2021	7-May-2021	7-May-2021		7-May-2021
Headspace VOC Readings[3]	ppm	0.1	--	<0.1	0.2	0.1	0.4	<0.1	--	<0.1	0.3	0.8	0.3	35.6		0.9
Evidence of free product?	--	--	[4]	No	No	No	No	No	Dry	No	PHC Odour & Sheen	No	No	PHC Odour		PHC Odour
Volatile Organic Compounds (VOC)				***Parent***	***Duplicate***									***Parent***	***Duplicate***	
Acetone	µg/L	5.0	130000	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	µg/L	0.5	44	<0.5	<0.5	<0.5	<0.5	<0.5	--	2.7	<0.5	<0.5	<0.5	2.4	2.6	<0.5
Bromodichloromethane	µg/L	0.5	85000	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	µg/L	0.5	380	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	µg/L	0.5	5.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	µg/L	0.2	0.79	<0.2	<0.2	<0.2	<0.2	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	µg/L	0.5	630	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	µg/L	0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	0.5	82000	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	µg/L	1.0	4400	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/L	0.5	4600	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	µg/L	0.5	9600	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	µg/L	0.5	320	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	µg/L	0.5	16	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropene, total	µg/L	0.5	5.2	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	0.5	2300	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	1750	1470	<0.5
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.2	0.25	<0.2	<0.2	<0.2	<0.2	<0.2	--	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane	µg/L	1.0	51	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	µg/L	5.0	470000	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	µg/L	5.0	140000	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-Butyl Ether (MTBE)	µg/L	2.0	190	<2.0	<2.0	<2.0	<2.0	<2.0	--	7.1	<5.0	50.3	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	µg/L	5.0	610	<5.0	<5.0	<5.0	<5.0	<5.0	--	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	0.5	1300	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	5	5.7	<0.5
1,1,1,2-Tetrachloroethane	µg/L	0.5	3.3	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	µg/L	0.5	3.2	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/L	0.5	18000	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	12.5	13.6	<0.5
1,1,1-Trichloroethane	µg/L	0.5	640	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	µg/L	0.5	4.7	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	µg/L	1.0	2500	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	949	819	<0.5
o-Xylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	10.9	13.1	<0.5
Xylenes, total	µg/L	0.5	4200	<0.5	<0.5	<0.5	<0.5	<0.5	--	<0.5	<0.5	<0.5	<0.5	960	832	<0.5
Petroleum Hydrocarbon Compounds (PHC)																
F1 PHCs (C6-C10)	µg/L	25	750	<25	<25	<25	<25	<25	--	<25	<25	<25	<25	2100	2550	<25
F2 PHCs (C10-C16)	µg/L	100	150	<100	<100	<100	<100	<100	--	<100	<100	<100	<100	<100	<100	<100
F3 PHCs (C16-C34)	µg/L	100	500	<100	<100	<100	<100	<100	--	<100	<100	<100	<100	<100	<100	<100
F4 PHCs (C34-C50)	µg/L	100	500	<100	<100	<100	<100	<100	--	<100	<100	<100	<100	<100	<100	<100
F1 + F2 PHCs	µg/L	125	--	<125	<125	<125	<125	<125	--	<125	<125	<125	<125	2100	2550	<125
F3 + F4 PHCs	µg/L	200	--	<200	<200	<200	<200	<200	--	<200	<200	<200	<200	<200	<200	<200
Metals																
Lead	µg/L	0.1	25	<0.1	<0.1	<0.1	<0.1	<0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

NOTES:

[1] MECP's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011.*

[2] Table 3: Generic Site Condition Standards in a Non-Potable Groundwater Condition, commercial property use.

[3] Headspace values measured with a Mini Rae 3000 PID.

[4] To meet the standard there must be no evidence of free product including film or sheen.

MDL Method Detection Limit.

-- No Value/Not Analysed.

PHC Petroleum Hydrocarbon Compounds.

BOLD Above Table 3 Site Condition Standard.

Appendix A
Borehole Logs

Borehole Log: BH/MW21-1

Project No.: 130619 **Project:** Contamination Delineation

Client: Mr. Gas Ltd. **Location:** 5891 Hazeldean Road, Stittsville, Ontario

Date: February 2, 2021 **Field Personnel:** GM

Driller: CCC Geotechnical & Env. Drilling Ltd. **Drilling Equipment:** Multi power **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Monitoring Well Details
		Ground Surface	100.54								
0.0	0.0	**ASPHALT**	0.00								
1.0		**SAND AND GRAVEL** Sand fill, Dry with gravel	99.94			30	33	21		0.4	
2.0		**LOAM** Brown loam, Dry.	0.60 99.69							0.2	
3.0	1.0	**SAND and SILT** Brown oxidized Sand with grey silt, Dry.	0.85 99.34			31,32	36	88		<0.1	
4.0		**SILT** top 2.5" gravel Grey Silt with and and gravel, Moist.	1.20 98.74			33,34	42	88	PHC, VOC, Lead	0.2	
6.0	2.0	**SILT** Grey silt with sand and gravel, moist.	1.80 98.14			35	59	100		0.2	
8.0		**SILT** Grey Silt with gravel, slight moist.	2.40 97.54			36,37	???	71		0.3	
10.0	3.0	**SILT** Grey Silt with gravel (Refusal at 10')	3.00 97.07			38	???	8		0.2	
11.0		End of Borehole	3.47								
12.0	4.0										
13.0											
14.0											
15.0											
16.0											

Easting: 0427789 **Northing:** 5014251

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.54 m **Top of Riser Elev.:** 100.45 m

Hole Diameter: 203 **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Borehole Log: BH/MW21-2

Project No.: 130619 **Project:** Contamination Delineation

Client: Mr. Gas Ltd. **Location:** 5891 Hazeldean Road, Stittsville, Ontario

Date: February 2, 2021 **Field Personnel:** GM

Driller: CCC Geotechnical & Env. Drilling Ltd. **Drilling Equipment:** Multi power **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Monitoring Well Details
		Ground Surface	100.24								
0.0	0.0	**ASPHALT**	0.00								
1.0		**GRAVEL** gravel. Dry	99.83			22	33	96		<0.1	
		SAND AND SILT Brown/grey sand/silt fill. Dry	0.41			23				<0.1	
2.0						24				<0.1	
		LOAM Brown loam.	99.45			25					
3.0	1.0		0.79				36	100		<0.1	
		SAND Brown sand, fill, dry.				26					
4.0		**GRAVEL**	99.04								
		LOAM Brown loam.	1.20			27	42	100		0.2	
5.0		**SAND AND SILT** Brown Sand/silt									
6.0		**SILT** Brown/green Silt, dry Oxidation	98.44			28			PHC, VOC, Lead		
	2.0		1.80				59	17		0.5	
7.0		**SILT** 9" of Saturated silt 5" moist crushed rock				29					
8.0			97.84								
		End of Borehole	2.40								
9.0											
10.0	3.0										
11.0											
12.0											
13.0	4.0										
14.0											
15.0											
16.0											

Easting: 0427796 **Northing:** 5014243

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.24 m **Top of Riser Elev.:** 100.14 m

Hole Diameter: 203 **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Borehole Log: BH/MW21-3

Project No.: 130619 **Project:** Contamination Delineation

Client: Mr. Gas Ltd. **Location:** 5899 Hazeldean Road, Stittsville, Ontario

Date: February 1, 2021 **Field Personnel:** GM

Driller: CCC Geotechnical & Env. Drilling Ltd. **Drilling Equipment:** Multi power **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis
		Ground Surface	99.98						
0.0	0.0	**ASPHALT**	0.00						
1.0		**SAND AND GRAVEL** Sand and gravel - Fill.	99.38			10	33		
2.0		**LOAM** Brown black loam, Dry	0.60						
3.0	1.0					11,12	36	71	
4.0			98.64						
5.0		**SAND AND GRAVEL** Grey silty sand and gravel, moist. PHC odour.	1.34			13,14	42	83	
6.0		**SAND** Black sand and some gravel. PHC odour. Grey silt at the bottom - slightly moist	98.18 1.80						
7.0	2.0					15	59	66	
8.0		**SILT** Grey silty, dry. Slight odour.	97.58 2.40						PHC, VOC, Lead
9.0						16,17	???	100	
10.0	3.0	**SAND AND SILT** top 7" dark green sand and silt. The rest green Silt PHC odour	96.98 3.00						
11.0						18,19	???	83	
12.0		**SAND AND SILT** top 4" saturated silt and sand the rest dry green silt PHC odour	96.38 3.60						
13.0	4.0		96.17 3.81			20,21		46	
14.0		End of Borehole							
15.0									
16.0									

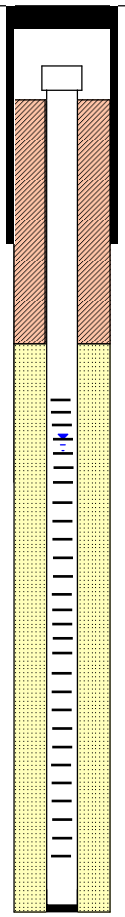
Combustible Soil Vapours

ppm: 20 40 60 80

% LEL: 10 20 30 40 50 60 70 80 90

0.5, 8.3, 2.1, 3.8, 5.5, 4.5, 1.2

Monitoring Well Details



Easting: 0427793 **Northing:** 5014228

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 99.98 **Top of Riser Elev.:** 99.93

Hole Diameter: 152 mm **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Borehole Log: BH/MW21-4

Project No.: 130619 **Project:** Contamination Delineation

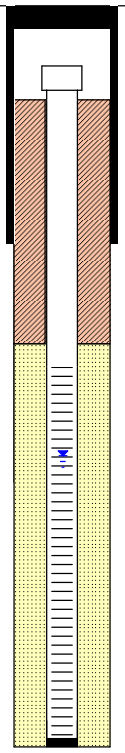
Client: Mr. Gas Ltd. **Location:** 5899 Hazeldean Road, Stittsville, Ontario

Date: February 1, 2021 **Field Personnel:** GM

Driller: CCC Geotechnical & Env. Drilling Ltd. **Drilling Equipment:** Multi power **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Combustible Soil Vapours (% LEL)
		Ground Surface	100.12								
0.0	0.0	**ASPHALT**	0.00								
1.0		**SAND AND GRAVEL** Brown silty sand and gravel.				1	33	100		0.1	
2.0			99.36								
3.0	1.0	**LOAM** Brown loam.	0.76			2	36	58		0.4	
4.0			98.60								
5.0		**SAND AND GRAVEL** coarse oxidization sand 3/4" Brown sand, fill with stones. broken rock at bottom 4"	1.52			3,4	42	83		0.4	
6.0	2.0		97.99								
7.0		**SAND** Brown Fine sand, moist. broken stone at top.	2.13			5	59	13		0.3	
8.0			97.38								
9.0		**SILTY SAND** Grey Fine silty sand, moist.	2.74			6,7	???	92		0.5	
10.0	3.0		96.77								
11.0		**SAND**	3.35							2.1	
			96.59			8,9	???	67	PHC, VOC, Lead		
12.0		Saturated Sand	3.53							0.5	
		SILT Stiff. Silt.	96.36								
13.0	4.0		3.76								
		End of Borehole									
14.0											
15.0											
16.0											

Monitoring Well Details



Easting: 0427788 **Northing:** 5014218

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.12 m **Top of Riser Elev.:** 100.07 m

Hole Diameter: 152 mm **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Appendix B
Laboratory Certificates of Analysis

PARACEL LABORATORIES LTD.

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Genevieve Marcoux

Client PO:
Project: 130619
Custody: 129740

Report Date: 8-Feb-2021
Order Date: 2-Feb-2021

Order #: 2106159

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2106159-01	MW21-1-8
2106159-02	MW21-2-16
2106159-03	MW21-2-17
2106159-04	MW21-3-28
2106159-05	MW21-4-33

Approved By:

Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-OES	based on MOE E3470, ICP-OES	8-Feb-21	8-Feb-21
PHC F1	CWS Tier 1 - P&T GC-FID	5-Feb-21	5-Feb-21
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	3-Feb-21	6-Feb-21
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	5-Feb-21	5-Feb-21
Solids, %	Gravimetric, calculation	5-Feb-21	5-Feb-21

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

	Client ID:	MW21-1-8	MW21-2-16	MW21-2-17	MW21-3-28
	Sample Date:	01-Feb-21 12:00	01-Feb-21 12:00	01-Feb-21 12:00	02-Feb-21 00:00
	Sample ID:	2106159-01	2106159-02	2106159-03	2106159-04
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	84.2	92.1	92.0	89.1
Metals					
Lead	1.0 ug/g dry	1.6	3.2	2.8	2.9
Volatiles					
Acetone	0.50 ug/g dry	<0.50	<0.50	<0.50	<0.50
Benzene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Bromoform	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Bromomethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Chloroform	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	0.05 ug/g dry	<0.05	0.17	0.13	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Hexane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Styrene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

	Client ID:	MW21-1-8	MW21-2-16	MW21-2-17	MW21-3-28
	Sample Date:	01-Feb-21 12:00	01-Feb-21 12:00	01-Feb-21 12:00	02-Feb-21 00:00
	Sample ID:	2106159-01	2106159-02	2106159-03	2106159-04
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Vinyl chloride	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
o-Xylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
4-Bromofluorobenzene	Surrogate	94.6%	93.7%	93.4%	93.3%
Dibromofluoromethane	Surrogate	93.2%	93.4%	79.2%	92.6%
Toluene-d8	Surrogate	105%	105%	103%	106%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	<8	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6

Certificate of Analysis

Client: **LRL Associates Ltd.**

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

	Client ID:	MW21-4-33	-	-	-
	Sample Date:	02-Feb-21 00:00	-	-	-
	Sample ID:	2106159-05	-	-	-
	MDL/Units	Soil	-	-	-
Physical Characteristics					
% Solids	0.1 % by Wt.	91.4	-	-	-
Metals					
Lead	1.0 ug/g dry	1.9	-	-	-
Volatiles					
Acetone	0.50 ug/g dry	<0.50	-	-	-
Benzene	0.02 ug/g dry	<0.02	-	-	-
Bromodichloromethane	0.05 ug/g dry	<0.05	-	-	-
Bromoform	0.05 ug/g dry	<0.05	-	-	-
Bromomethane	0.05 ug/g dry	<0.05	-	-	-
Carbon Tetrachloride	0.05 ug/g dry	<0.05	-	-	-
Chlorobenzene	0.05 ug/g dry	<0.05	-	-	-
Chloroform	0.05 ug/g dry	<0.05	-	-	-
Dibromochloromethane	0.05 ug/g dry	<0.05	-	-	-
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,1-Dichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichloropropane	0.05 ug/g dry	<0.05	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	-	-
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	-	-	-
Ethylbenzene	0.05 ug/g dry	<0.05	-	-	-
Ethylene dibromide (dibromoethane, 1	0.05 ug/g dry	<0.05	-	-	-
Hexane	0.05 ug/g dry	<0.05	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	-	-	-
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	-	-	-
Methylene Chloride	0.05 ug/g dry	<0.05	-	-	-
Styrene	0.05 ug/g dry	<0.05	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	-	-

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

	Client ID:	MW21-4-33	-	-	-
	Sample Date:	02-Feb-21 00:00	-	-	-
	Sample ID:	2106159-05	-	-	-
	MDL/Units	Soil	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	-	-
Tetrachloroethylene	0.05 ug/g dry	<0.05	-	-	-
Toluene	0.05 ug/g dry	<0.05	-	-	-
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	-	-	-
Trichloroethylene	0.05 ug/g dry	<0.05	-	-	-
Trichlorofluoromethane	0.05 ug/g dry	<0.05	-	-	-
Vinyl chloride	0.02 ug/g dry	<0.02	-	-	-
m,p-Xylenes	0.05 ug/g dry	<0.05	-	-	-
o-Xylene	0.05 ug/g dry	<0.05	-	-	-
Xylenes, total	0.05 ug/g dry	<0.05	-	-	-
4-Bromofluorobenzene	Surrogate	95.8%	-	-	-
Dibromofluoromethane	Surrogate	88.1%	-	-	-
Toluene-d8	Surrogate	105%	-	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	-	-	-
F2 PHCs (C10-C16)	4 ug/g dry	<4	-	-	-
F3 PHCs (C16-C34)	8 ug/g dry	<8	-	-	-
F4 PHCs (C34-C50)	6 ug/g dry	<6	-	-	-

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
Metals									
Lead	ND	1.0	ug/g						
Volatiles									
Acetone	ND	0.50	ug/g						
Benzene	ND	0.02	ug/g						
Bromodichloromethane	ND	0.05	ug/g						
Bromoform	ND	0.05	ug/g						
Bromomethane	ND	0.05	ug/g						
Carbon Tetrachloride	ND	0.05	ug/g						
Chlorobenzene	ND	0.05	ug/g						
Chloroform	ND	0.05	ug/g						
Dibromochloromethane	ND	0.05	ug/g						
Dichlorodifluoromethane	ND	0.05	ug/g						
1,2-Dichlorobenzene	ND	0.05	ug/g						
1,3-Dichlorobenzene	ND	0.05	ug/g						
1,4-Dichlorobenzene	ND	0.05	ug/g						
1,1-Dichloroethane	ND	0.05	ug/g						
1,2-Dichloroethane	ND	0.05	ug/g						
1,1-Dichloroethylene	ND	0.05	ug/g						
cis-1,2-Dichloroethylene	ND	0.05	ug/g						
trans-1,2-Dichloroethylene	ND	0.05	ug/g						
1,2-Dichloropropane	ND	0.05	ug/g						
cis-1,3-Dichloropropylene	ND	0.05	ug/g						
trans-1,3-Dichloropropylene	ND	0.05	ug/g						
1,3-Dichloropropene, total	ND	0.05	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Ethylene dibromide (dibromoethane, 1,2	ND	0.05	ug/g						
Hexane	ND	0.05	ug/g						
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g						
Methyl Isobutyl Ketone	ND	0.50	ug/g						
Methyl tert-butyl ether	ND	0.05	ug/g						
Methylene Chloride	ND	0.05	ug/g						
Styrene	ND	0.05	ug/g						
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g						
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g						
Tetrachloroethylene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
1,1,1-Trichloroethane	ND	0.05	ug/g						
1,1,2-Trichloroethane	ND	0.05	ug/g						
Trichloroethylene	ND	0.05	ug/g						
Trichlorofluoromethane	ND	0.05	ug/g						
Vinyl chloride	ND	0.02	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						
Surrogate: 4-Bromofluorobenzene	*7.19*		*ug/g*		*89.9*	*50-140*			
Surrogate: Dibromofluoromethane	*7.29*		*ug/g*		*91.1*	*50-140*			
Surrogate: Toluene-d8	*8.22*		*ug/g*		*103*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND			NC	30	
F3 PHCs (C16-C34)	11	8	ug/g dry	16			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g dry	ND			NC	30	
Metals									
Lead	1.68	1.0	ug/g dry	1.61			4.3	30	
Physical Characteristics									
% Solids	91.0	0.1	% by Wt.	91.5			0.5	25	
Volatiles									
Acetone	ND	0.50	ug/g dry	ND			NC	50	
Benzene	ND	0.02	ug/g dry	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g dry	ND			NC	50	
Bromoform	ND	0.05	ug/g dry	ND			NC	50	
Bromomethane	ND	0.05	ug/g dry	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g dry	ND			NC	50	
Chlorobenzene	ND	0.05	ug/g dry	ND			NC	50	
Chloroform	ND	0.05	ug/g dry	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g dry	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g dry	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g dry	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g dry	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g dry	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g dry	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g dry	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g dry	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g dry	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g dry	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-	ND	0.05	ug/g dry	ND			NC	50	
Hexane	ND	0.05	ug/g dry	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g dry	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g dry	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g dry	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g dry	ND			NC	50	
Styrene	ND	0.05	ug/g dry	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g dry	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g dry	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g dry	ND			NC	50	
Toluene	ND	0.05	ug/g dry	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g dry	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g dry	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g dry	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g dry	ND			NC	50	
Vinyl chloride	ND	0.02	ug/g dry	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g dry	ND			NC	50	
o-Xylene	ND	0.05	ug/g dry	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	*8.63*		*ug/g dry*		*96.8*	*50-140*			
Surrogate: Dibromofluoromethane	*6.99*		*ug/g dry*		*78.4*	*50-140*			
Surrogate: Toluene-d8	*9.34*		*ug/g dry*		*105*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	212	7	ug/g	ND	106	80-120			
F2 PHCs (C10-C16)	79	4	ug/g	ND	81.5	60-140			
F3 PHCs (C16-C34)	272	8	ug/g	16	109	60-140			
F4 PHCs (C34-C50)	151	6	ug/g	ND	101	60-140			
Metals									
Lead	250	1.0	ug/g	32.1	87.1	70-130			
Volatiles									
Acetone	7.37	0.50	ug/g	ND	73.7	50-140			
Benzene	3.55	0.02	ug/g	ND	88.9	60-130			
Bromodichloromethane	3.65	0.05	ug/g	ND	91.3	60-130			
Bromoform	3.49	0.05	ug/g	ND	87.3	60-130			
Bromomethane	3.23	0.05	ug/g	ND	80.9	50-140			
Carbon Tetrachloride	3.28	0.05	ug/g	ND	82.0	60-130			
Chlorobenzene	3.90	0.05	ug/g	ND	97.5	60-130			
Chloroform	3.31	0.05	ug/g	ND	82.7	60-130			
Dibromochloromethane	3.71	0.05	ug/g	ND	92.7	60-130			
Dichlorodifluoromethane	3.48	0.05	ug/g	ND	87.0	50-140			
1,2-Dichlorobenzene	4.16	0.05	ug/g	ND	104	60-130			
1,3-Dichlorobenzene	4.32	0.05	ug/g	ND	108	60-130			
1,4-Dichlorobenzene	4.23	0.05	ug/g	ND	106	60-130			
1,1-Dichloroethane	3.16	0.05	ug/g	ND	79.1	60-130			
1,2-Dichloroethane	3.31	0.05	ug/g	ND	82.7	60-130			
1,1-Dichloroethylene	3.11	0.05	ug/g	ND	77.8	60-130			
cis-1,2-Dichloroethylene	3.22	0.05	ug/g	ND	80.4	60-130			
trans-1,2-Dichloroethylene	3.25	0.05	ug/g	ND	81.3	60-130			
1,2-Dichloropropane	3.61	0.05	ug/g	ND	90.3	60-130			
cis-1,3-Dichloropropylene	3.43	0.05	ug/g	ND	85.7	60-130			
trans-1,3-Dichloropropylene	3.32	0.05	ug/g	ND	83.0	60-130			
Ethylbenzene	4.15	0.05	ug/g	ND	104	60-130			
Ethylene dibromide (dibromoethane, 1,2-	3.83	0.05	ug/g	ND	95.7	60-130			
Hexane	2.90	0.05	ug/g	ND	72.5	60-130			
Methyl Ethyl Ketone (2-Butanone)	7.13	0.50	ug/g	ND	71.3	50-140			
Methyl Isobutyl Ketone	7.78	0.50	ug/g	ND	77.8	50-140			
Methyl tert-butyl ether	7.85	0.05	ug/g	ND	78.5	50-140			
Methylene Chloride	3.05	0.05	ug/g	ND	76.3	60-130			
Styrene	3.85	0.05	ug/g	ND	96.2	60-130			
1,1,1,2-Tetrachloroethane	3.94	0.05	ug/g	ND	98.5	60-130			
1,1,2,2-Tetrachloroethane	3.65	0.05	ug/g	ND	91.2	60-130			
Tetrachloroethylene	4.23	0.05	ug/g	ND	106	60-130			
Toluene	4.19	0.05	ug/g	ND	105	60-130			
1,1,1-Trichloroethane	3.31	0.05	ug/g	ND	82.8	60-130			
1,1,2-Trichloroethane	3.75	0.05	ug/g	ND	93.7	60-130			
Trichloroethylene	4.19	0.05	ug/g	ND	105	60-130			
Trichlorofluoromethane	3.17	0.05	ug/g	ND	79.3	50-140			
Vinyl chloride	2.84	0.02	ug/g	ND	70.9	50-140			
m,p-Xylenes	7.84	0.05	ug/g	ND	98.1	60-130			
o-Xylene	3.97	0.05	ug/g	ND	99.3	60-130			
Surrogate: 4-Bromofluorobenzene	*8.09*		*ug/g*		*101*	*50-140*			

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 08-Feb-2021

Order Date: 2-Feb-2021

Project Description: 130619

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*6.90*		*ug/g*		*86.3*	*50-140*			
Surrogate: Toluene-d8	*7.86*		*ug/g*		*98.3*	*50-140*			

Qualifier Notes:

QC Qualifiers :

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

PARACE LABORATORIES LTD

Paracel ID: 2106159

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Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2106159	№ 129740

Client Name: LRL Associates Ltd.	Project Ref: 130619	Page 1 of 1
Contact Name: Geneviève Marcoux	Quote #:	Turnaround Time
Address: 5430 Canotek Rd Ottawa, ON K1J 9G2	PO #:	☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular
Telephone: (613) 842-3434 ext. 234	E-mail: gmarcoux@lrl.ca	Date Required:

Regulation 153/04	Other Regulation
☐ Table 1 ☐ Res/Park ☐ Med/Fine	☐ REG 558 ☐ PWQO
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ CCME ☐ MISA
☒ Table 3 ☐ Agri/Other	☐ SU - Sani ☐ SU - Storm
☐ Table ___	Mun:
For RSC: ☐ Yes ☐ No	☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	Lead
1	MW21-1-8	S		2	Feb 1/21	AM	X	X						X
2	MW21-2-16	↓		↓	↓	PM	X	X						X
3	MW21-2-17					PM	X	X						X
4	MW21-3-28				Feb 2/21	AM	X	X						X
5	MW21-4-33	↓		↓	↓	AM	X	X						X
6														
7														
8														
9														
10														

Comments:

Method of Delivery: DJB

Relinquished By (Sign): GM	Received By Driver/Depot:	Received at Lab:	Verified By: DJB
Relinquished By (Print): Geneviève Marcoux	Date/Time:	Date/Time: 2-2-21 12:45	Date/Time: 2 Feb 2021 1347
Date/Time: Feb 2/21 12:45pm	Temperature: °C	Temperature: 5.1 °C	pH Verified: ☐ By:

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Genevieve Marcoux

Client PO:
Project: 130619
Custody: 53990

Report Date: 31-Mar-2021
Order Date: 25-Mar-2021

Order #: 2113416

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2113416-01	Composite (BH21-2-18 + BH21-1-9 + BH21-3-29 + BH21-4-34)

Approved By:

Dale Robertson, BSc
Laboratory Director

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis

Report Date: 31-Mar-2021

Client: LRL Associates Ltd.

Order Date: 25-Mar-2021

Client PO:

Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Ignitability	based on EPA 1030	29-Mar-21	29-Mar-21
PHC F1	CWS Tier 1 - P&T GC-FID	26-Mar-21	26-Mar-21
PHC F4G (gravimetric)	CWS Tier 1 - Extraction Gravimetric	29-Mar-21	30-Mar-21
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	26-Mar-21	27-Mar-21
REG 558 - Cyanide	MOE E3015- Auto Colour	29-Mar-21	29-Mar-21
REG 558 - Fluoride	EPA 340.2 - ISE	29-Mar-21	29-Mar-21
REG 558 - Mercury by CVAA	EPA 7470A - Cold Vapour AA	30-Mar-21	30-Mar-21
REG 558 - Metals, ICP-MS	TCLP EPA 6020 - Digestion - ICP-MS	29-Mar-21	29-Mar-21
REG 558 - NO3/NO2	EPA 300.1 - IC	29-Mar-21	29-Mar-21
REG 558 - PAHs	EPA 625 - GC-MS	30-Mar-21	30-Mar-21
REG 558 - PCBs	EPA 608 - GC-ECD	29-Mar-21	29-Mar-21
REG 558 - VOCs	EPA 624 - P&T GC-MS	29-Mar-21	30-Mar-21
Solids, %	Gravimetric, calculation	26-Mar-21	26-Mar-21

Certificate of Analysis

Client: **LRL Associates Ltd.**

Client PO:

Report Date: 31-Mar-2021

Order Date: 25-Mar-2021

Project Description: 130619

	Client ID:	Composite (BH21-2-18 + BH21-1-9 + BH21-3-29 + BH21-4-34)	-	-	-
	Sample Date:	01-Feb-21 09:00	-	-	-
	Sample ID:	2113416-01	-	-	-
	MDL/Units	Soil	-	-	-
Physical Characteristics					
% Solids	0.1 % by Wt.	89.0	-	-	-
Ignitability	N/A	Negative	-	-	-
EPA 1311 - TCLP Leachate Inorganics					
Fluoride	0.05 mg/L	0.30	-	-	-
Nitrate as N	1 mg/L	<1	-	-	-
Nitrite as N	1 mg/L	<1	-	-	-
Cyanide, free	0.02 mg/L	<0.02	-	-	-
EPA 1311 - TCLP Leachate Metals					
Arsenic	0.05 mg/L	<0.05	-	-	-
Barium	0.05 mg/L	0.82	-	-	-
Boron	0.05 mg/L	<0.05	-	-	-
Cadmium	0.01 mg/L	<0.01	-	-	-
Chromium	0.05 mg/L	<0.05	-	-	-
Lead	0.05 mg/L	<0.05	-	-	-
Mercury	0.005 mg/L	<0.005	-	-	-
Selenium	0.05 mg/L	<0.05	-	-	-
Silver	0.05 mg/L	<0.05	-	-	-
Uranium	0.05 mg/L	<0.05	-	-	-
EPA 1311 - TCLP Leachate Volatiles					
Benzene	0.005 mg/L	<0.005	-	-	-
Carbon Tetrachloride	0.005 mg/L	<0.005	-	-	-
Chlorobenzene	0.004 mg/L	<0.004	-	-	-
Chloroform	0.006 mg/L	<0.006	-	-	-
1,2-Dichlorobenzene	0.004 mg/L	<0.004	-	-	-
1,4-Dichlorobenzene	0.004 mg/L	<0.004	-	-	-
1,2-Dichloroethane	0.005 mg/L	<0.005	-	-	-
1,1-Dichloroethylene	0.006 mg/L	<0.006	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.30 mg/L	<0.30	-	-	-
Methylene Chloride	0.04 mg/L	<0.04	-	-	-
Tetrachloroethylene	0.005 mg/L	<0.005	-	-	-
Trichloroethylene	0.004 mg/L	<0.004	-	-	-
Vinyl chloride	0.005 mg/L	<0.005	-	-	-
4-Bromofluorobenzene	Surrogate	93.2%	-	-	-

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 31-Mar-2021

Order Date: 25-Mar-2021

Project Description: 130619

	Client ID:	Composite (BH21-2-18 + BH21-1-9 + BH21-3-29 + BH21-4-34)	-	-	-
	Sample Date:	01-Feb-21 09:00	-	-	-
	Sample ID:	2113416-01	-	-	-
	MDL/Units	Soil	-	-	-
Dibromofluoromethane	Surrogate	87.4%	-	-	-
Toluene-d8	Surrogate	107%	-	-	-
EPA 1311 - TCLP Leachate Organics					
Benzo [a] pyrene	0.0001 mg/L	<0.0001	-	-	-
Terphenyl-d14	Surrogate	119%	-	-	-
PCBs, total	0.003 mg/L	<0.003	-	-	-
Decachlorobiphenyl	Surrogate	104%	-	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7 [1]	-	-	-
F2 PHCs (C10-C16)	4 ug/g dry	<4 [1]	-	-	-
F3 PHCs (C16-C34)	8 ug/g dry	<8 [1]	-	-	-
F4 PHCs (C34-C50)	6 ug/g dry	<6 [1]	-	-	-
F4G PHCs (gravimetric)	50 ug/g dry	<50 [1]	-	-	-

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 31-Mar-2021

Order Date: 25-Mar-2021

Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	ND	0.05	mg/L						
Nitrate as N	ND	1	mg/L						
Nitrite as N	ND	1	mg/L						
Cyanide, free	ND	0.02	mg/L						
EPA 1311 - TCLP Leachate Metals									
Arsenic	ND	0.05	mg/L						
Barium	ND	0.05	mg/L						
Boron	ND	0.05	mg/L						
Cadmium	ND	0.01	mg/L						
Chromium	ND	0.05	mg/L						
Lead	ND	0.05	mg/L						
Mercury	ND	0.005	mg/L						
Selenium	ND	0.05	mg/L						
Silver	ND	0.05	mg/L						
Uranium	ND	0.05	mg/L						
EPA 1311 - TCLP Leachate Organics									
Benzo [a] pyrene	ND	0.0001	mg/L						
Surrogate: Terphenyl-d14	*0.24*		*mg/L*		*120*	*37.1-155.6*			
PCBs, total	ND	0.003	mg/L						
Surrogate: Decachlorobiphenyl	*0.0098*		*mg/L*		*98.0*	*62-138*			
EPA 1311 - TCLP Leachate Volatiles									
Benzene	ND	0.005	mg/L						
Carbon Tetrachloride	ND	0.005	mg/L						
Chlorobenzene	ND	0.004	mg/L						
Chloroform	ND	0.006	mg/L						
1,2-Dichlorobenzene	ND	0.004	mg/L						
1,4-Dichlorobenzene	ND	0.004	mg/L						
1,2-Dichloroethane	ND	0.005	mg/L						
1,1-Dichloroethylene	ND	0.006	mg/L						
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L						
Methylene Chloride	ND	0.04	mg/L						
Tetrachloroethylene	ND	0.005	mg/L						
Trichloroethylene	ND	0.004	mg/L						
Vinyl chloride	ND	0.005	mg/L						
Surrogate: 4-Bromofluorobenzene	*0.647*		*mg/L*		*94.0*	*83-134*			
Surrogate: Dibromofluoromethane	*0.597*		*mg/L*		*86.7*	*78-124*			
Surrogate: Toluene-d8	*0.735*		*mg/L*		*107*	*76-118*			
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
F4G PHCs (gravimetric)	ND	50	ug/g						

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	0.31	0.05	mg/L	0.30			1.4	20	
Nitrate as N	ND	1	mg/L	ND			NC	20	
Nitrite as N	ND	1	mg/L	ND			NC	20	
Cyanide, free	ND	0.02	mg/L	ND			NC	20	
EPA 1311 - TCLP Leachate Metals									
Arsenic	ND	0.05	mg/L	ND			NC	29	
Barium	0.824	0.05	mg/L	0.817			0.9	34	
Boron	ND	0.05	mg/L	ND			NC	33	
Cadmium	ND	0.01	mg/L	ND			NC	33	
Chromium	ND	0.05	mg/L	ND			NC	32	
Lead	ND	0.05	mg/L	ND			NC	32	
Mercury	ND	0.005	mg/L	ND			NC	30	
Selenium	ND	0.05	mg/L	ND			NC	28	
Silver	ND	0.05	mg/L	ND			NC	28	
Uranium	ND	0.05	mg/L	ND			NC	27	
EPA 1311 - TCLP Leachate Organics									
Benzo [a] pyrene	ND	0.0001	mg/L	ND			NC	50	
Surrogate: Terphenyl-d14	*0.25*		*mg/L*		*126*	*37.1-155.6*			
PCBs, total	ND	0.003	mg/L	ND			NC	30	
Surrogate: Decachlorobiphenyl	*0.011*		*mg/L*		*107*	*62-138*			
EPA 1311 - TCLP Leachate Volatiles									
Benzene	ND	0.005	mg/L	ND			NC	25	
Carbon Tetrachloride	ND	0.005	mg/L	ND			NC	25	
Chlorobenzene	ND	0.004	mg/L	ND			NC	25	
Chloroform	ND	0.006	mg/L	ND			NC	25	
1,2-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,4-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,2-Dichloroethane	ND	0.005	mg/L	ND			NC	25	
1,1-Dichloroethylene	ND	0.006	mg/L	ND			NC	25	
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L	ND			NC	25	
Methylene Chloride	ND	0.04	mg/L	ND			NC	25	
Tetrachloroethylene	ND	0.005	mg/L	ND			NC	25	
Trichloroethylene	ND	0.004	mg/L	ND			NC	25	
Vinyl chloride	ND	0.005	mg/L	ND			NC	25	
Surrogate: 4-Bromofluorobenzene	*0.638*		*mg/L*		*92.7*	*83-134*			
Surrogate: Dibromofluoromethane	*0.597*		*mg/L*		*86.8*	*78-124*			
Surrogate: Toluene-d8	*0.737*		*mg/L*		*107*	*76-118*			
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND			NC	30	
F3 PHCs (C16-C34)	69	8	ug/g dry	96			32.9	30	QR-04
F4 PHCs (C34-C50)	37	6	ug/g dry	98			90.0	30	QR-04
Physical Characteristics									
% Solids	95.3	0.1	% by Wt.	96.4			1.2	25	

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	0.82	0.05	mg/L	0.30	103	70-130			
Nitrate as N	10	1	mg/L	ND	105	81-112			
Nitrite as N	9	1	mg/L	ND	92.4	76-107			
Cyanide, free	0.048	0.02	mg/L	ND	95.4	60-136			
EPA 1311 - TCLP Leachate Metals									
Arsenic	52.2	0.05	mg/L	0.422	104	83-119			
Barium	132	0.05	mg/L	81.7	101	83-116			
Boron	43.4	0.05	mg/L	2.10	82.6	71-128			
Cadmium	46.1	0.01	mg/L	0.104	92.0	78-119			
Chromium	55.7	0.05	mg/L	0.277	111	80-124			
Lead	42.4	0.05	mg/L	0.077	84.6	77-126			
Mercury	0.0319	0.005	mg/L	ND	106	70-130			
Selenium	45.1	0.05	mg/L	0.638	88.8	81-125			
Silver	47.7	0.05	mg/L	ND	95.4	70-128			
Uranium	45.2	0.05	mg/L	0.199	90.1	70-131			
EPA 1311 - TCLP Leachate Organics									
Benzo [a] pyrene	0.0444	0.0001	mg/L	ND	88.9	39-123			
Surrogate: Terphenyl-d14	*0.23*		*mg/L*		*114*	*37.1-155.6*			
PCBs, total	0.046	0.003	mg/L	ND	114	86-145			
Surrogate: Decachlorobiphenyl	*0.011*		*mg/L*		*108*	*62-138*			
EPA 1311 - TCLP Leachate Volatiles									
Benzene	0.322	0.005	mg/L	ND	93.6	55-141			
Carbon Tetrachloride	0.260	0.005	mg/L	ND	75.6	49-149			
Chlorobenzene	0.382	0.004	mg/L	ND	111	64-137			
Chloroform	0.335	0.006	mg/L	ND	97.4	58-138			
1,2-Dichlorobenzene	0.362	0.004	mg/L	ND	105	60-150			
1,4-Dichlorobenzene	0.358	0.004	mg/L	ND	104	63-132			
1,2-Dichloroethane	0.383	0.005	mg/L	ND	111	50-140			
1,1-Dichloroethylene	0.281	0.006	mg/L	ND	81.6	43-153			
Methyl Ethyl Ketone (2-Butanone)	0.786	0.30	mg/L	ND	91.4	26-153			
Methylene Chloride	0.298	0.04	mg/L	ND	86.7	58-149			
Tetrachloroethylene	0.383	0.005	mg/L	ND	111	51-145			
Trichloroethylene	0.302	0.004	mg/L	ND	87.9	52-135			
Vinyl chloride	0.319	0.005	mg/L	ND	92.6	31-159			
Surrogate: 4-Bromofluorobenzene	*0.701*		*mg/L*		*102*	*83-134*			
Surrogate: Dibromofluoromethane	*0.609*		*mg/L*		*88.6*	*78-124*			
Surrogate: Toluene-d8	*0.727*		*mg/L*		*106*	*76-118*			
Hydrocarbons									
F1 PHCs (C6-C10)	162	7	ug/g	ND	80.9	80-120			
F2 PHCs (C10-C16)	98	4	ug/g	ND	109	60-140			
F3 PHCs (C16-C34)	323	8	ug/g	96	102	60-140			
F4 PHCs (C34-C50)	196	6	ug/g	98	69.4	60-140			
F4G PHCs (gravimetric)	810	50	ug/g	ND	81.0	80-120			

Qualifier Notes:

Login Qualifiers :

Sample - One or more parameter received past hold time - Ignitability, PHC's, cyanide, fluoride, mercury, NO3/NO2, PAH, PCB, VOCs

Applies to samples: Composite (BH21-2-18 + BH21-1-9 + BH21-3-29 + BH21-4-34)

Sample Qualifiers :

1 : Holding time had been exceeded upon receipt of the sample at the laboratory.

QC Qualifiers :

QR-04 : Duplicate results exceeds RPD limits due to non-homogeneous matrix.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

PARACEL LABORATORIES

Paracel ID: 2113416

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49-1947
@paracellabs.com
cellabs.com

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
211346	Nº 53990

Client Name: CRL Associates Ltd	Project Ref: 130619
Contact Name: Geneviève Marcoux	Quote #:
Address: 5430 Canotek Rd Ottawa, ON	PO #:
Telephone: 613 842 3431	E-mail: gmarcoux@crl.ca

Page 1 of 1

Turnaround Time

☐ 1 day ☐ 3 day
☐ 2 day ☒ Regular
Date Required:

Regulation 153/04	Other Regulation
☐ Table 1 ☐ Res/Park ☐ Med/Fine	☒ REG 558 ☐ PWQO
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ CCME ☐ MISA
☐ Table 3 ☐ Agri/Other	☐ SU - Sani ☐ SU - Storm
☐ Table	Mun:
For RSC: ☐ Yes ☐ No	☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	Required Analysis: TCLP
1	BH21-2-18	S			Feb 1/21	AM	X Composite
2	BH21-1-9	↓			↓	↓	
3	BH21-3-29				Feb 2/21		
4	BH21-4-34	↓			↓	↓	
5							
6							
7							
8							
9							
10							

Comments: TCLP - unknown petroleum, Navan

Method of Delivery: PARACEL COURIER

Relinquished By (Sign):	Received By Driver/Depot: M. Blouse	Received at Lab: Sivaneepan Dahmar	Verified By:
Relinquished By (Print): Geneviève Marcoux	Date/Time: 25/03/21 12:12	Date/Time: Mar 25, 2021 12:45	Date/Time: 25 Mar 2021 1306
Date/Time: March 25/21 7:00 AM	Temperature: °C PM	Temperature: 9.9 °C	pH Verified: ☐ By: NA

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Devin Clouthier

Client PO:
Project: 130619
Custody: 58956

Report Date: 12-May-2021
Order Date: 7-May-2021

Order #: 2119531

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2119531-01	MW19-2
2119531-02	MW19-3
2119531-03	MW20-1
2119531-04	MW20-2
2119531-05	MW20-3
2119531-06	MW20-4
2119531-07	MW20-5
2119531-08	OB1

Approved By:

Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-MS	EPA 200.8 - ICP-MS	10-May-21	10-May-21
PHC F1	CWS Tier 1 - P&T GC-FID	10-May-21	11-May-21
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	11-May-21	11-May-21
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	10-May-21	11-May-21

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

	Client ID:	MW19-2	MW19-3	MW20-1	MW20-2
	Sample Date:	07-May-21 09:05	07-May-21 10:00	07-May-21 13:00	07-May-21 12:30
	Sample ID:	2119531-01	2119531-02	2119531-03	2119531-04
	MDL/Units	Water	Water	Water	Water
Metals					
Lead	0.1 ug/L	<0.1	<0.1	<0.1	0.1
Volatiles					
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Benzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Ethylene dibromide (dibromoethane, 1,2-)	0.2 ug/L	<0.2	<0.2	<0.2	<0.2
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	50.3	<2.0
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

	Client ID:	MW19-2	MW19-3	MW20-1	MW20-2
	Sample Date:	07-May-21 09:05	07-May-21 10:00	07-May-21 13:00	07-May-21 12:30
	Sample ID:	2119531-01	2119531-02	2119531-03	2119531-04
	MDL/Units	Water	Water	Water	Water
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
4-Bromofluorobenzene	Surrogate	105%	103%	101%	104%
Dibromofluoromethane	Surrogate	88.1%	87.5%	88.2%	89.0%
Toluene-d8	Surrogate	100%	103%	98.6%	100%
Hydrocarbons					
F1 PHCs (C6-C10)	25 ug/L	<25	<25	<25	<25
F2 PHCs (C10-C16)	100 ug/L	<100	<100	<100	<100
F3 PHCs (C16-C34)	100 ug/L	<100	<100	<100	<100
F4 PHCs (C34-C50)	100 ug/L	<100	<100	<100	<100

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

	Client ID:	MW20-3	MW20-4	MW20-5	OB1
	Sample Date:	07-May-21 11:00	07-May-21 11:30	07-May-21 10:00	07-May-21 09:45
	Sample ID:	2119531-05	2119531-06	2119531-07	2119531-08
	MDL/Units	Water	Water	Water	Water
Metals					
Lead	0.1 ug/L	<0.1	<0.1	<0.1	<0.1
Volatiles					
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Benzene	0.5 ug/L	2.4	<0.5	2.6	<0.5
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5 ug/L	1750	<0.5	1470	<0.5
Ethylene dibromide (dibromoethane, 1	0.2 ug/L	<0.2	<0.2	<0.2	<0.2
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Styrene	0.5 ug/L	5.0	<0.5	5.7	<0.5
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

	Client ID:	MW20-3	MW20-4	MW20-5	OB1
	Sample Date:	07-May-21 11:00	07-May-21 11:30	07-May-21 10:00	07-May-21 09:45
	Sample ID:	2119531-05	2119531-06	2119531-07	2119531-08
	MDL/Units	Water	Water	Water	Water
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Toluene	0.5 ug/L	12.5	<0.5	13.6	<0.5
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	0.5 ug/L	949	<0.5	819	<0.5
o-Xylene	0.5 ug/L	10.9	<0.5	13.1	<0.5
Xylenes, total	0.5 ug/L	960	<0.5	832	<0.5
4-Bromofluorobenzene	Surrogate	106%	106%	108%	104%
Dibromofluoromethane	Surrogate	89.9%	87.6%	88.5%	95.4%
Toluene-d8	Surrogate	101%	99.4%	99.6%	99.7%
Hydrocarbons					
F1 PHCs (C6-C10)	25 ug/L	2100	<25	2550	<25
F2 PHCs (C10-C16)	100 ug/L	<100	<100	<100	<100
F3 PHCs (C16-C34)	100 ug/L	<100	<100	<100	<100
F4 PHCs (C34-C50)	100 ug/L	<100	<100	<100	<100

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L						
F2 PHCs (C10-C16)	ND	100	ug/L						
F3 PHCs (C16-C34)	ND	100	ug/L						
F4 PHCs (C34-C50)	ND	100	ug/L						
Metals									
Lead	ND	0.1	ug/L						
Volatiles									
Acetone	ND	5.0	ug/L						
Benzene	ND	0.5	ug/L						
Bromodichloromethane	ND	0.5	ug/L						
Bromoform	ND	0.5	ug/L						
Bromomethane	ND	0.5	ug/L						
Carbon Tetrachloride	ND	0.2	ug/L						
Chlorobenzene	ND	0.5	ug/L						
Chloroform	ND	0.5	ug/L						
Dibromochloromethane	ND	0.5	ug/L						
Dichlorodifluoromethane	ND	1.0	ug/L						
1,2-Dichlorobenzene	ND	0.5	ug/L						
1,3-Dichlorobenzene	ND	0.5	ug/L						
1,4-Dichlorobenzene	ND	0.5	ug/L						
1,1-Dichloroethane	ND	0.5	ug/L						
1,2-Dichloroethane	ND	0.5	ug/L						
1,1-Dichloroethylene	ND	0.5	ug/L						
cis-1,2-Dichloroethylene	ND	0.5	ug/L						
trans-1,2-Dichloroethylene	ND	0.5	ug/L						
1,2-Dichloropropane	ND	0.5	ug/L						
cis-1,3-Dichloropropylene	ND	0.5	ug/L						
trans-1,3-Dichloropropylene	ND	0.5	ug/L						
1,3-Dichloropropene, total	ND	0.5	ug/L						
Ethylbenzene	ND	0.5	ug/L						
Ethylene dibromide (dibromoethane, 1,2	ND	0.2	ug/L						
Hexane	ND	1.0	ug/L						
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L						
Methyl Isobutyl Ketone	ND	5.0	ug/L						
Methyl tert-butyl ether	ND	2.0	ug/L						
Methylene Chloride	ND	5.0	ug/L						
Styrene	ND	0.5	ug/L						
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L						
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L						
Tetrachloroethylene	ND	0.5	ug/L						
Toluene	ND	0.5	ug/L						
1,1,1-Trichloroethane	ND	0.5	ug/L						
1,1,2-Trichloroethane	ND	0.5	ug/L						
Trichloroethylene	ND	0.5	ug/L						
Trichlorofluoromethane	ND	1.0	ug/L						
Vinyl chloride	ND	0.5	ug/L						
m,p-Xylenes	ND	0.5	ug/L						
o-Xylene	ND	0.5	ug/L						
Xylenes, total	ND	0.5	ug/L						
Surrogate: 4-Bromofluorobenzene	*81.9*		*ug/L*		*102*	*50-140*			
Surrogate: Dibromofluoromethane	*66.6*		*ug/L*		*83.3*	*50-140*			
Surrogate: Toluene-d8	*87.4*		*ug/L*		*109*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Metals									
Lead	0.13	0.1	ug/L	ND			NC	20	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	ND	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	ND	0.5	ug/L	ND			NC	30	
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND			NC	30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*82.6*		*ug/L*		*103*	*50-140*			
Surrogate: Dibromofluoromethane	*71.6*		*ug/L*		*89.5*	*50-140*			
Surrogate: Toluene-d8	*86.2*		*ug/L*		*108*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	2230	25	ug/L	ND	111	68-117			
F2 PHCs (C10-C16)	1120	100	ug/L	ND	70.0	60-140			
F3 PHCs (C16-C34)	3760	100	ug/L	ND	95.9	60-140			
F4 PHCs (C34-C50)	2260	100	ug/L	ND	91.1	60-140			
Metals									
Lead	38.8	0.1	ug/L	ND	77.5	80-120			QM-07
Volatiles									
Acetone	115	5.0	ug/L	ND	115	50-140			
Benzene	36.3	0.5	ug/L	ND	90.8	60-130			
Bromodichloromethane	34.2	0.5	ug/L	ND	85.5	60-130			
Bromoform	32.2	0.5	ug/L	ND	80.4	60-130			
Bromomethane	27.1	0.5	ug/L	ND	67.8	50-140			
Carbon Tetrachloride	30.0	0.2	ug/L	ND	75.0	60-130			
Chlorobenzene	41.6	0.5	ug/L	ND	104	60-130			
Chloroform	35.5	0.5	ug/L	ND	88.8	60-130			
Dibromochloromethane	30.5	0.5	ug/L	ND	76.2	60-130			
Dichlorodifluoromethane	35.6	1.0	ug/L	ND	89.0	50-140			
1,2-Dichlorobenzene	39.2	0.5	ug/L	ND	97.9	60-130			
1,3-Dichlorobenzene	38.8	0.5	ug/L	ND	97.1	60-130			
1,4-Dichlorobenzene	38.4	0.5	ug/L	ND	96.0	60-130			
1,1-Dichloroethane	33.8	0.5	ug/L	ND	84.6	60-130			
1,2-Dichloroethane	38.0	0.5	ug/L	ND	95.0	60-130			
1,1-Dichloroethylene	29.7	0.5	ug/L	ND	74.3	60-130			
cis-1,2-Dichloroethylene	43.9	0.5	ug/L	ND	110	60-130			
trans-1,2-Dichloroethylene	38.1	0.5	ug/L	ND	95.2	60-130			
1,2-Dichloropropane	39.5	0.5	ug/L	ND	98.8	60-130			
cis-1,3-Dichloropropylene	32.6	0.5	ug/L	ND	81.5	60-130			
trans-1,3-Dichloropropylene	34.5	0.5	ug/L	ND	86.3	60-130			
Ethylbenzene	38.5	0.5	ug/L	ND	96.2	60-130			
Ethylene dibromide (dibromoethane, 1,2-	34.1	0.2	ug/L	ND	85.2	60-130			
Hexane	36.6	1.0	ug/L	ND	91.4	60-130			
Methyl Ethyl Ketone (2-Butanone)	110	5.0	ug/L	ND	110	50-140			
Methyl Isobutyl Ketone	107	5.0	ug/L	ND	107	50-140			
Methyl tert-butyl ether	104	2.0	ug/L	ND	104	50-140			
Methylene Chloride	30.2	5.0	ug/L	ND	75.5	60-130			
Styrene	37.7	0.5	ug/L	ND	94.3	60-130			
1,1,1,2-Tetrachloroethane	32.4	0.5	ug/L	ND	81.0	60-130			
1,1,2,2-Tetrachloroethane	38.3	0.5	ug/L	ND	95.8	60-130			
Tetrachloroethylene	37.4	0.5	ug/L	ND	93.4	60-130			
Toluene	37.2	0.5	ug/L	ND	93.1	60-130			
1,1,1-Trichloroethane	38.1	0.5	ug/L	ND	95.3	60-130			
1,1,2-Trichloroethane	41.8	0.5	ug/L	ND	104	60-130			
Trichloroethylene	36.6	0.5	ug/L	ND	91.4	60-130			
Trichlorofluoromethane	29.3	1.0	ug/L	ND	73.2	60-130			
Vinyl chloride	31.4	0.5	ug/L	ND	78.6	50-140			
m,p-Xylenes	72.8	0.5	ug/L	ND	91.0	60-130			
o-Xylene	41.8	0.5	ug/L	ND	104	60-130			
Surrogate: 4-Bromofluorobenzene	*82.8*		*ug/L*		*103*	*50-140*			

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 12-May-2021

Order Date: 7-May-2021

Project Description: 130619

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*77.5*		*ug/L*		*96.8*	*50-140*			
Surrogate: Toluene-d8	*80.8*		*ug/L*		*101*	*50-140*			

Qualifier Notes:

QC Qualifiers :

QM-07 : The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on other acceptable QC.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

PARACEL LABORATORIES LTD

Paracel ID: 2119531

Paracel Order Number (Lab Use Only)	Chain Of Custody (Lab Use Only)
2119531	№ 58956

Client Name: LRL Associates	Project Ref: 130619	Page 1 of 1
Contact Name: Devin Clouthier	Quote #:	Turnaround Time
Address: 5430 Canotek Rd Ottawa, ON	PO #:	☐ 1 day ☐ 3 day ☐ 2 day ☒ Regular
Telephone: 613-842-3434	E-mail: dclouthier@lrlica dwood@lrl.ca	Date Required:

Regulation 153/04	Other Regulation
☐ Table 1 ☐ Res/Park ☐ Med/Fine	☐ REG 558 ☐ PWQO
☐ Table 2 ☐ Ind/Comm ☐ Coarse	☐ CCME ☐ MISA
☒ Table 3 ☐ Agri/Other	☐ SU - Sani ☐ SU - Storm
☐ Table ___	Mun:
For RSC: ☐ Yes ☒ No	☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHCs	VOCs	Lead
1	MW19-2	GW		4	May 7/21	9:05 am	X	X	X
2	MW19-3	↓		↓	May 7/21	10:00 am	↓	↓	↓
3	MW20-1				May 7/21	1:00 pm			
4	MW20-2				May 7/21	12:30 pm			
5	MW20-3				May 7/21	11:00 am			
6	MW20-4				May 7/21	11:30 am			
7	MW20-5				May 7/21	10:00 am			
8	OB1	↓		↓	May 7/21	9:45 am	↓	↓	↓
9									
10									

Comments:

Method of Delivery: Drop Box

Relinquished By (Sign):	Received By Driver/Depot:	Received at Lab: Sureepavan Dhamal	Verified By:
Relinquished By (Print): Devin Clouthier	Date/Time:	Date/Time: May 07, 2021 02:09	Date/Time: May 7, 2021 14:42
Date/Time: May 7/21 1:45pm	Temperature: °C	Temperature: 10.2 °C	pH Verified: ☑ By: BS

Via Email: gilles@mglproperties.ca

June 5, 2020

Our File Ref.: 130619

Mr. Gas Properties Ltd.
142 Felicity Crescent
Orleans, Ontario K1W 0C3

Attention: Gilles Guindon

Subject: Petroleum Hydrocarbon Contamination Delineation – Mr. Gas Gasoline Service Station
5899 Hazeldean Road, Stittsville, Ontario

Dear Mr. Guindon,

LRL Associates Ltd. (LRL) was retained by Mr. Gas Properties Ltd. to delineate the extents of the previously identified petroleum hydrocarbon contamination associated with the gasoline service station at 5899 Hazeldean Road, Stittsville, Ontario (herein referred to as the 'Site'). The Site's location is shown in **Figure 1**.

LRL was previously retained in May 2019 to observe the removal of the former petroleum installations and establish the environmental conditions of the soil and groundwater during the redevelopment of the gasoline service station. The analytical results of the submitted soil samples identified remaining contamination along the northern portion of the excavation floor, along the south excavation wall, and along the southern portions of the east and west excavation walls, where visual and/or olfactory evidence of petroleum contamination was identified, or where the presence of petroleum hydrocarbon compounds (PHC) fraction F1 was identified at levels above the applicable site condition standards (SCS).

Furthermore, during the redevelopment activities, two (2) groundwater samples were collected from the excavation, and one (1) from an existing monitoring well immediately south of the tank nest excavation. PHC fractions F2, F3 and F4 were detected at concentrations above the applicable SCS in the monitoring well. In the groundwater collected from the excavation, benzene, ethylbenzene, hexane, methyl tert-butyl ether (MTBE), tetrachloroethylene, toluene, xylenes, and PHC factions F1, F2, F3 and F4 were detected at levels above the applicable SCS in one or both samples. It was recommended that an intrusive investigation be conducted to delineate the extent of the soil and groundwater impact and potential for off-Site impact. The details of the above remediation work are provided in the Underground Storage Tank Removal & Environmental Site Remediation Verification Soil Sampling Report, dated August 19, 2019, prepared by LRL.

This report summarizes the work carried out on the Site between October 7 and 10, 2019 and April 7, 2020.

1 INTRODUCTION

1.1 Site Description

The Site under investigation is the Mr. Gas gasoline service station located at 5899 Hazeldean Road, Stittsville, Ontario. The Site's location is presented in **Figure 1**. The property is developed as a gasoline service station with a single-storey, slab on grade construction convenience store and an attached car wash.

Topography of the Site is generally flat with a slight slope to the northeast. The Site has a rectangular shape having approximate dimensions of 115 m wide (north-south) by 35 m deep (east-west), for an approximate area of 4 020 m² (0.99 acre). The Site is serviced by municipal water and sewage.

The southern portion of the Site is developed with a convenience store with an attached car wash, pump islands with overhead canopy and underground petroleum storage tanks. These features have been occupied the Site since at least the mid-1970's. The existing pump island, concrete apron as well as the underground storage tank installations and associated piping were replaced in May 2019. An addition to the northern portion of the convenience store was added in May 2019 as well. The remainder of the southern portion of the Site is asphalt parking and circulation area, and the northern portion of the Site is grass landscaped area. The locations of these features are shown in **Figure 2**.

For the purpose of this report, Hazeldean Road will be inferred as being orientated in an east-west direction.

1.2 Previous investigations

Underground storage tank (UST) removal and soil remediation activities were completed at the Site in May 2019 in support of the redevelopment of the Site. Through verification sampling and chemical laboratory analysis of samples, it was found that petroleum-impacted soils remained along the final northern portion of the UST excavation floor, along the south excavation wall, and along the southern portions of the east and west excavation walls. Groundwater uncovered in the excavation and in a nearby existing monitoring well was also found to be impacted. It was recommended that further delineation of the impacts be conducted to determine the extent of the petroleum contamination.

1.3 Scope of Work

The primary objective of this intrusive investigation was to delineate previously encountered petroleum-impacted materials on the Site. LRL's scope of work was as follows:

- Advance four (4) boreholes at strategic locations based on previous detections to allow for soil sampling;
- Complete three (3) of the boreholes as monitoring wells to assess hydrogeological conditions and facilitate groundwater sampling;
- Submit representative soil and groundwater samples to an accredited laboratory for analysis of suspected parameters of concern; and
- Interpret results in relation to current provincial guidelines to determine subsurface soil and groundwater quality.

This report will present results of Site activities carried out between October 7 and 10, 2019 and April 7, 2020.

1.4 Applicable Site Condition Standards

Regulatory requirements for assessing environmental conditions of a site are established by Ontario Regulation 153/04 – *Records of Site Conditions, Part XV.1 of the Environmental Protection Act* (O. Reg. 153/04). SCS are set out in Ministry of Environment, Conservation and Parks (MECP) '*Soil, Ground Water and Sediment Standards for Use Under Part IV.1 of the Environmental Protection Act*, *April 15, 2011'*. The applicable site condition standard used was *Table 3: Generic Site Condition Standards in a Non-Potable Groundwater Condition.*

- The Site and surrounding properties within 250 m are serviced by municipal water;
- The more stringent criteria for coarse-grained soils was used;
- The Site is classified as commercial; and
- The Site is not considered environmentally sensitive.

2 INVESTIGATION METHOD

2.1 Field Preparation

Locations of all buried and overhead services were obtained by LRL prior to initiation of any subsurface investigation.

2.2 Borehole Drilling

Boreholes were advanced to depths between 2.9 and 3.6 m below ground surface (bgs) using a CME 55 truck-mounted drill rig equipped with 203 mm diameter hollow stem augers. The drilling contractor was George Downing Estate Drilling Ltd. (Hawkesbury, Ontario) and worked under LRL field staff supervision. Soil samples were collected continuously using a split-spoon sampler of 0.6 m in length. Between each split-spoon, the sampling equipment was thoroughly cleaned.

Boreholes advancement to the south and east of the petroleum dispensing installations was limited due the presence of utilities (both buried and overhead) in addition to the proximity of the petroleum storage installations and vicinity of the property boundaries. Locations of the boreholes are presented in **Figure 2**. Details of the borehole drilling are provided in the borehole logs in **Appendix A**.

2.3 Soil Sampling and Field Screening

Representative soil samples from each soil stratum encountered or split sampler were collected and transferred immediately into sealed laboratory-supplied glass jars and sealable plastic bags. Samples were examined for soil type, colour, staining/discolouration and odours. Samples were logged, labelled and stored on-Site in a cooler pre-chilled to below 10°C with ice to prevent evaporation of potential combustible soil vapours (CSV). Soil samples stored in bags were screened for CSV presence using a Mini Rae 2000 Photoionization Detector (PID).

2.4 Monitoring Well Installation

Three (3) boreholes (BH19-2, BH19-3 and BH19-4) were completed as monitoring wells (herein referred to as MW19-2 through MW19-3, and MW19-4). The monitoring wells were constructed within the 203 mm diameter boreholes with a 32 mm slotted PVC piezometer placed bisecting the groundwater table. The tops of the screens were extended to the ground surface using a solid riser PVC pipe. The annular space around the slotted portion of the piezometer was backfilled with pre-washed and graded silica sand up to 300 mm above the top of the screen. A bentonite seal of at least 300 mm was placed above the sand pack. The remaining backfill in the boreholes consisted of soil cuttings and/or additional sand. Monitoring wells were finished at the surface with a flush-mount aluminum cover.

Details of monitoring wells are provided in borehole logs in **Appendix A**.

2.5 Elevation Surveying

Ground surface elevations and the tops of all monitoring well risers were surveyed and referenced to a temporary benchmark. Subsequent measurements of water elevations were made in reference to top of well risers. This benchmark was established as the center of the storm sewer manhole cover located in the southeastern corner of the Site. It was given an arbitrary elevation of 100.00 m. The location of the benchmark as well as the groundwater elevations are presented in **Figure 2**.

2.6 Groundwater Monitoring and Sampling

LRL visited the Site on October 10, 2019 to collect samples from the newly installed monitoring wells. Headspace vapour measurements for volatile organic compounds (VOC) were measured in each monitoring well immediately after removing the cap, prior to purging and sampling using a Mini Rae 2000 PID. VOC concentrations were measured by placing the combustible soil vapour nozzle at least 15 cm below the top of the casing and recording the peak VOC reading.

Newly installed wells were instrumented with dedicated LDPE tubing to facilitate well development, purging and sampling requirements. Prior to sampling, water levels were measured using an electronic water level meter and reduced to static elevations based on monitoring well survey data. At the time of the groundwater sampling event on October 10, 2019, each of the newly installed groundwater monitoring wells were found to have “dry” conditions, with insufficient groundwater volume for development and sampling. No groundwater samples were collected.

2.6.1 Subsequent Groundwater Monitoring and Sampling

Due to the “dry” conditions encountered in October 2019, it was decided that a subsequent sampling event be carried out in Spring 2020 to verify the presence of groundwater in the newly installed groundwater monitoring wells (MW19-2 through MW19-4), and collect representative samples, if encountered. LRL returned to the Site on April 7, 2020 to collect representative groundwater samples from the newly installed monitoring wells. One (1) of the three (3) observations wells (OW1) installed within the underground storage tank nest by Triangle Pump Service Ltd. in May 2019 was also included in the sampling program. OW1 is an approximately 76 mm diameter PVC piezometer installed with in the tank nest to a depth of approximate 4.0 m. The length and elevation of the screened interval is not known at this time. The location of the observation well is included in **Figure 2**.

Headspace vapour concentrations for VOCs were measured in each of the monitoring wells immediately after removing the cap, prior to purging and sampling using a Mini Rae 3000 PID. VOC concentrations were measured as mentioned above in Section 2.6.

Prior to purging or sampling, water levels were taken using an electronic water level meter and reduced to static elevations based on the monitoring well survey data. Unlike the previous attempt in October 2019, groundwater was encountered in each of the monitoring wells. Further details of the elevations encountered, and interpretation groundwater gradients are included in Section 3.2. It is suspected that the at the time of the initial groundwater sample collection attempt in October 2019, insufficient time for groundwater to infiltrate into the monitoring well was allowed from the time of installation and the time of the initial sampling attempt.

Each monitoring well was purged (three well volumes) using dedicated LDPE tubing and foot valve, with the exception of OW1, which was not purged prior to sampling. Purge water was observed for colour, sheen or odour. Using a dedicate bailer and LDPE tubing, groundwater was transferred into laboratory supplied water bottles. Samples were logged, labelled and stored on-Site in a cooler pre-chilled to below 10°C with ice to prevent evaporation of VOCs while awaiting laboratory submission.

A field duplicate groundwater sample was collected from monitoring well MW19-2 and submitted for laboratory analysis (MW19-X).

2.7 Analytical Testing

Representative soil and groundwater samples collected during the investigation were submitted for laboratory analysis. Samples were submitted to Paracel Laboratories Ltd., Ottawa, ON, for the following contaminants of concern: VOC or BTEX for select samples, PHC fractions F1 (C6 – C10), F2 (>C11 – C16), F3 (>C16 – C34), and F4 (>C34) and lead. As a result of low sample matrix in monitoring well MW19-4, insufficient volume was available for the sampling and analysis of lead.

Laboratory Certificates of Analysis are included in **Appendix B**. All remaining samples not analyzed will be kept in storage for a period of one (1) month following submission of this report at which time they shall be disposed of unless a written or verbal notice is received, stating otherwise.

2.8 QA/QC Protocols

Quality assurance/quality control (QA/QC) protocols were followed during the borehole drilling and sampling to ensure that representative samples were obtained. The protocols were generally performed in accordance with the following;

- Ontario Ministry of the Environment (MOE) *"Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario",* revised February 1997.
- MOE *"Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04",* June 2011.

Field protocols that were employed include:

- All field-screening devices, such as a combustible gas detector, were calibrated prior to use, to ensure accuracy and reliability of readings;

- Thorough decontamination of all drilling and sampling equipment. Dedicated sampling equipment was used where possible;
- Soil samples collected were placed in laboratory-supplied glass sample jars or bottles;
- Thorough documentation of all field activities and sample handling practices including field notes, chain of custody forms, memos to files, etc.;
- Samples were submitted to a laboratory which is certified by the Canadian Association for Laboratory Accreditation (CALA); and
- A field duplicate of the groundwater collected from MW19-2 was incorporated into the work program.

Other QA/QC procedures conducted by LRL are outlined in the methodologies detailed below.

2.9 Review and Evaluation

2.9.1 Geology

The subsurface stratigraphy encountered in the boreholes generally consisted of pavement structure from ground surface to 0.20 m bgs, followed by loam to between 0.36 and 0.60 m bgs, then till to the termination depths between 2.9 and 3.6 m bgs, where auger refusal was met over inferred bedrock, or dense subsurface conditions.

Detailed borehole logs of are presented in **Appendix A**. The locations of the boreholes are shown in **Figure 2**.

2.9.2 Groundwater Elevations & Flow Direction

2.9.3 Static groundwater levels measured at all monitoring wells at the time of the subsequent sampling event on April 7, 2020 are summarized in Table 1*. Groundwater depths measurements were between 1.38 and 1.88 m bgs, which corresponded to elevations between 97.85 and 99.40 m. Groundwater elevations are shown in* Figure 3*. Based on these elevations, the groundwater flow direction on the Site is interpreted to be towards the south to southwest. To establish the groundwater flow direction, a triangular positioning of the wells is ideal. The wells installed on-Site could not be installed triangularly due to the locations of utilities across the Site, therefore, a more precise interpretation of the groundwater flow direction could not be achieved. Soil: Field Screening*

No olfactory or visual (i.e. staining or free phase) evidence of petroleum hydrocarbon impacts were observed in soil samples collected from the boreholes.

CSV concentrations were measured in all soil samples collected. The concentrations ranged between non-detect (<0.1 ppm) and 0.7 ppm. The measurements are summarized in the borehole logs in **Appendix A**.

3 DATA INTERPRETATION AND ASSESSMENT

3.1 Soil Quality

The results of the soil analysis and respective MECP SCS are presented in **Table 2** and **Table 3**. Select worst-case soil samples from each borehole were submitted to the laboratory for chemical analysis of PHC F1-F4, VOC (namely BTEX) and lead. The results of the samples were not detected or were detected at concentrations below the applicable SCS; both PHC F3 and F4 were detected at concentrations below the applicable SCS in sample MW19-2-12, while lead was detected in all samples at levels below the SCS.

3.2 Groundwater Quality

Headspace VOC levels measured on October 10, 2019 were reported to be as follows: MW19-2 (8.0 ppm); MW19 3 (46.6 ppm); and MW19-4 (25.1 ppm). As previously mentioned, dry conditions were encountered in each of the groundwater monitoring wells on the Site.

At the time of LRLs subsequent Site visit on April 7, 2020, headspace VOC levels were non-detect (<0.1 ppm), with the exception of MW19-3 where a level of 0.1 ppm was detected. No visual (iridescent sheen or free phase product) or odour inactive of petroleum hydrocarbon evidence was encountered in the water purged and collected from the monitoring/observation wells.

Groundwater analysis results and respective MECP SCSs are summarized in **Table 4**. VOC, PHC and lead parameters analysed were not detected in any of the monitoring wells sampled. Benzene (2.7 µg/L) and methyl tert-butyl ether (7.1 µg/L) were detected in the sample collected from OW1, however the levels were reported below the applicable Table 3 SCS of 44 and 190 µg/L, respectively.

4 CONCLUSIONS AND RECOMMENDATIONS

Based on our field observations and laboratory analyses, PHCs, VOCs and lead were not detected above the applicable standards in the soil samples submitted from the boreholes. It was not possible to delineate further horizontally toward the south and the southeast corner of the Site due to obstruction by the existing pump island, overhead power lines and buried utilities along Hazeldean Road, as well as the existing tank nest near the southeast corner of the Site. In addition, full vertical delineation of soil impacts to the depth of the former UST excavation was not possible due to auger refusal at 3.6 m bgs or less in the areas investigated.

Previous investigations have shown that petroleum-impacted soils remain along the final southern wall of the former UST excavation, as well as along the southern portions of the east and west walls and the base of the northern portion of the excavation. This infers that residual soil impacts extend from the former UST excavation southeastward, possibly off-Site toward Hazeldean Road, as well as southward toward the existing pump island and eastward, possibly off-Site toward the eastern property. Based on the information available to date and using a conservative approach to estimate the extent of the remaining impacts (halfway to the known clean location), it is estimated that approximately 290 m^3 of petroleum hydrocarbon impacted soils remain on the Site. The full extent to the east and south is not confirmed, nor has it been verified if remaining impacts extend beneath the existing store structure. The estimated extent of remaining PHC impacted soil is presented in **Figure 4**.

The laboratory analysis of the overburden groundwater samples collected from the newly installed groundwater monitoring wells at the Site has revealed that levels of petroleum-based parameters of concern, including lead, were not detected. The previously identified elevated levels at the south of the UST excavation (MW3) could not be verified in this program as the well was no longer available for sampling (concealed by re-surfacing asphalt materials), and additional borehole advancement to the south of the UST nest was limited due to the vicinity of overhead utilities.

The previously elevated levels of petroleum hydrocarbons encountered in the grab samples collected from the UST nest excavation have likely dissipated as a result of the previous environmental site remediation activities. The sample collected from OW1 on April 7, 2020 revealed residual evidence of petroleum-based parameters, observe the levels are below the applicable SCS. Based on the analytical results from the groundwater samples collected, the overburden groundwater across the Site is in accordance with the applicable SCS. It is possible that residual impacts are present off-Site (into the City of Ottawa's right of way to the south, and towards the adjacent land to the east), and in areas not accessible due to limitations.

It is recommended that the owner of the potentially impacted neighbouring properties be notified of the potential impacts. The risk associated with the residual impacts in the right of way to the south is considered low. The parcel of land is generally used as a highly traveled roadway (Hazeldean Road) with adjoining sidewalks and potential exposure is negligible due to the activities and concealing layer of pavement/concrete structure. The potential risk to the adjacent land to the east is moderate. Although the property is serviced by municipal service which limits the likeliness for ingestion of potentially impacted subsurface matter, the use of the property is more sensitive as a daycare facility. Based on the inferred groundwater flow direction to the south/southwest, the potential for migration of the impacted residual plume towards the daycare property is considered low. It is recommended that additional groundwater monitoring of all available wells be conducted in the fall to confirm conditions.

It is recommended that if the groundwater monitoring wells are not required for future monitoring purposes, they should be decommissioned prior to any construction activities, in accordance with O. Reg. 903.

5 LIMITATIONS AND USE OF REPORT

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

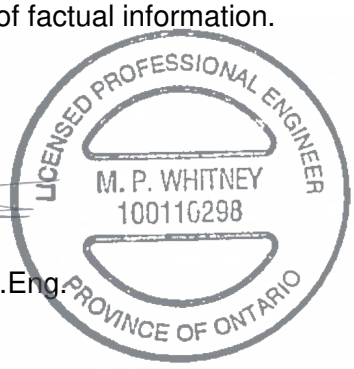
Findings contained in this report are based on data and information collected during the fieldwork conducted on the subject property by LRL Associates Ltd. Conclusions and recommendations are based solely on the Site conditions encountered at the time of our fieldwork between October 7 and 10, 2019, and April 7, 2020. No assurance is made regarding changes in conditions subsequent to the time of this investigation. If additional information is discovered or obtained, LRL Associates Ltd. should be requested to re-evaluate conclusions presented in this report and to provide amendments as required.

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

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

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

Yours truly,
LRL Associates Ltd.



Jessica Arthurs
Senior Environmental Technician

Matthew Whitney, P.Eng.

Encl. Figure 1 – Site Location
Figure 2 – Site Plan & Borehole/Monitoring Well Locations
Figure 3 – Groundwater Elevation and Inferred Groundwater Flow Direction
Figure 4 – Estimated Extent of Remaining Petroleum Hydrocarbon Impacted Soil
Table 1 – Summary of Ground Surface and Groundwater Elevations (October 10, 2019)
Table 2 – Summary of Soil Analysis Results - PHC and BTEX/VOC
Table 3 – Summary of Soil Analysis Results – Metals
Table 4 - Summary of Groundwater Analysis Results - PHC, VOC & Lead
Appendix A Borehole Logs
Appendix B Laboratory Certificates of Analysis

\\lrlfs1\working$\FILES 2013\130619\3-Reports\Contamination Delineation Report 2020\130619.Contamination Delineation Report.5899HazeldeanRoad.Ottawa.MGL.2020.06.05.R0.docx

FIGURES

LRL
ENGINEERING | INGÉNIERIE

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

PROJECT

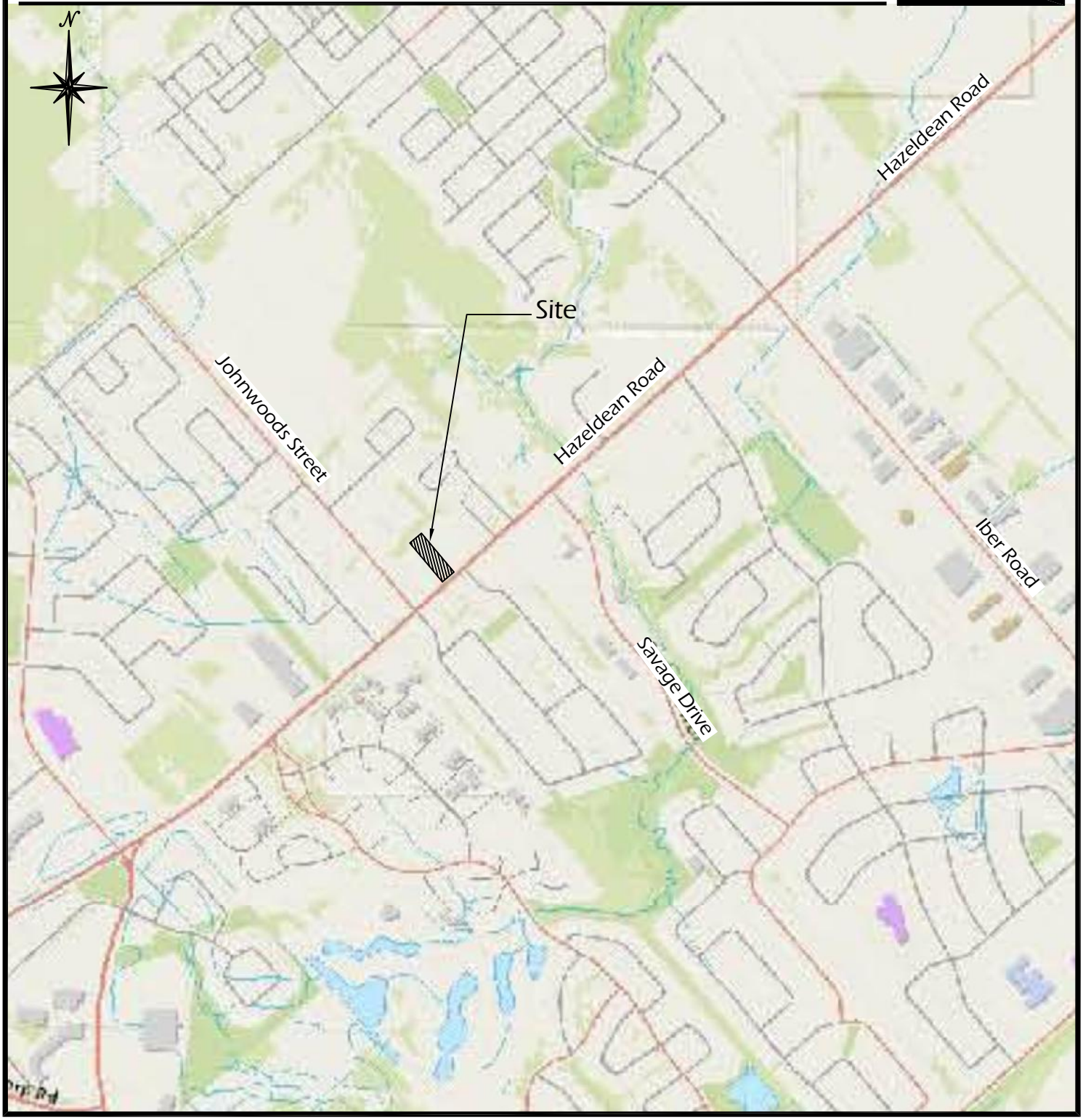
PETROLEUM HYDROCARBON CONTAMINATION
DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

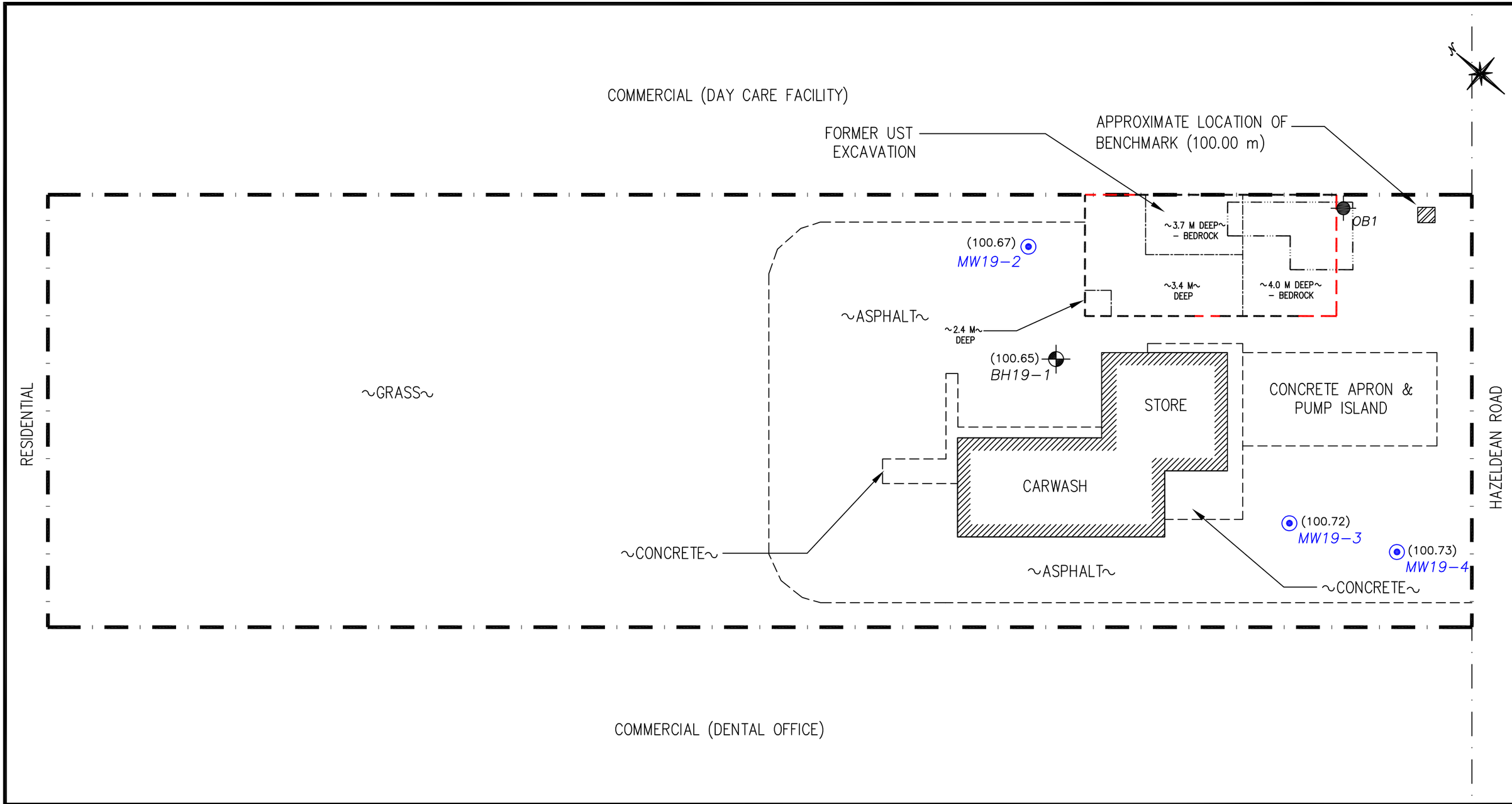
DRAWING TITLE

SITE LOCATION
SOURCE: City of Ottawa - GeoOttawa

CLIENT	DATE	PROJECT
MR. GAS PROPERTIES LTD.	JUNE 2020	130619

FIGURE 1





LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- PREVIOUS EXCAVATION LIMITS WITH EVIDENCE OF PHC LIMITS
- APPROXIMATE EXTENT OF EXISITNG USTs
- MW99 — MONITORING WELL
- BH99 — BOREHOLE
- (99.99) — GROUND SURFACE ELEVATION
- OBXX — TANK NEST OBSERVATION WELL
- VARIANCE IN DEPTHS OF FORMER EXCAVATION

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
01	FINAL	VW	01/04/2020

LRL ENGINEERING | INGÉNIERIE
5430 Canotek Road | Ottawa, ON, K1J 9G2
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CLIENT
MR. GAS PROPERTIES LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
V.W.	V.W.	M.W.

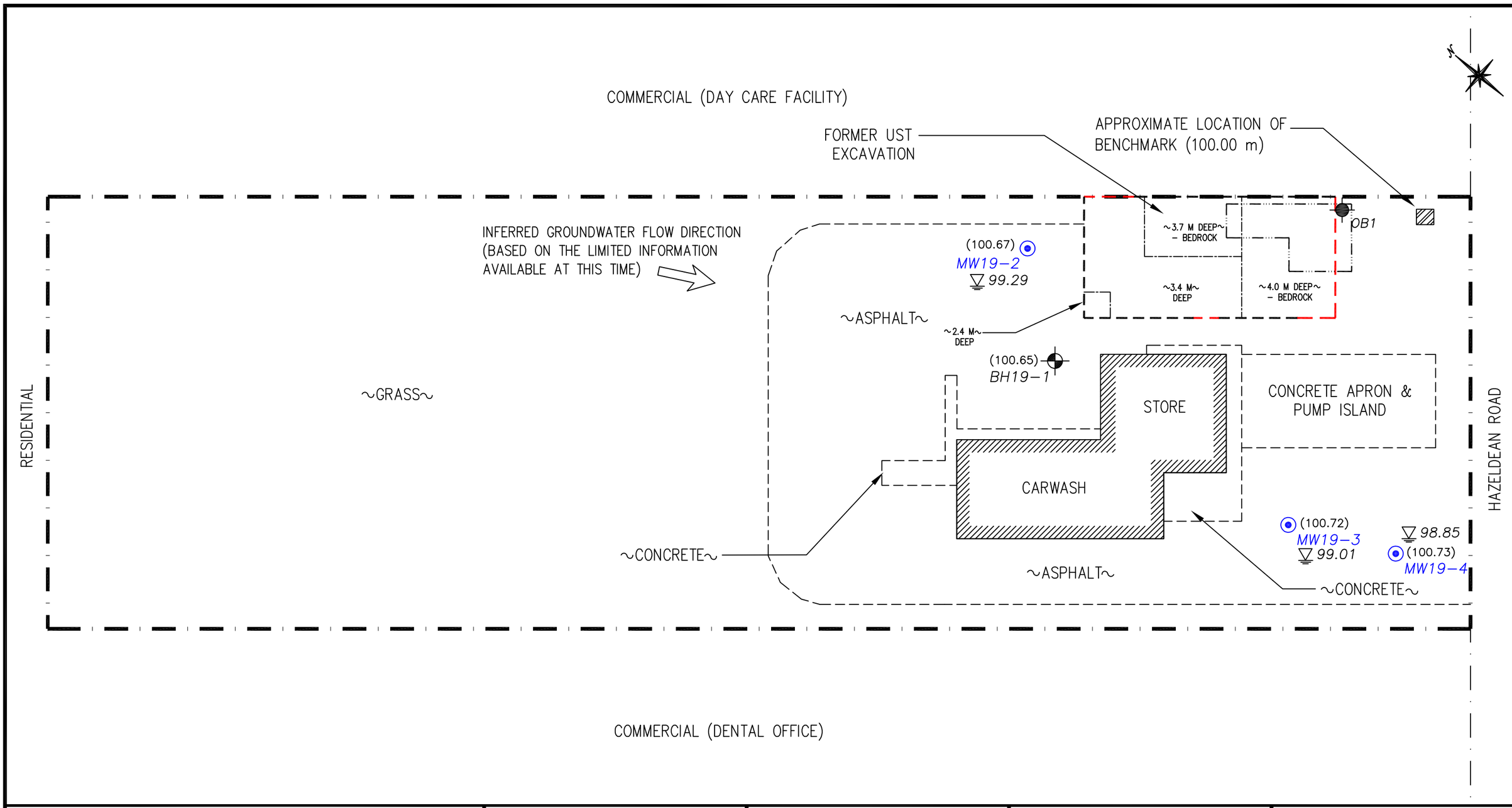
PROJECT
PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
SITE PLAN AND BOREHOLE & MONITORING WELL LOCATIONS

PROJECT NO.
130619

DATE
JUNE 2020

FIGURE 2



LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- PREVIOUS EXCAVATION LIMITS WITH EVIDENCE OF PHC LIMITS
- APPROXIMATE EXTENT OF EXISITNG USTs
- MW99 — MONITORING WELL
- BH99 — BOREHOLE
- (99.99) — GROUND SURFACE ELEVATION
- OBXX — TANK NEST OBSERVATION WELL
- VARIANCE IN DEPTHS OF FORMER EXCAVATION
- 99.99 — GROUNDWATER ELEVATION (APRIL 7, 2020)

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
01	FINAL	VW	01/04/2020

LRL
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CLIENT
MR. GAS PROPERTIES LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
V.W.	V.W.	M.W.

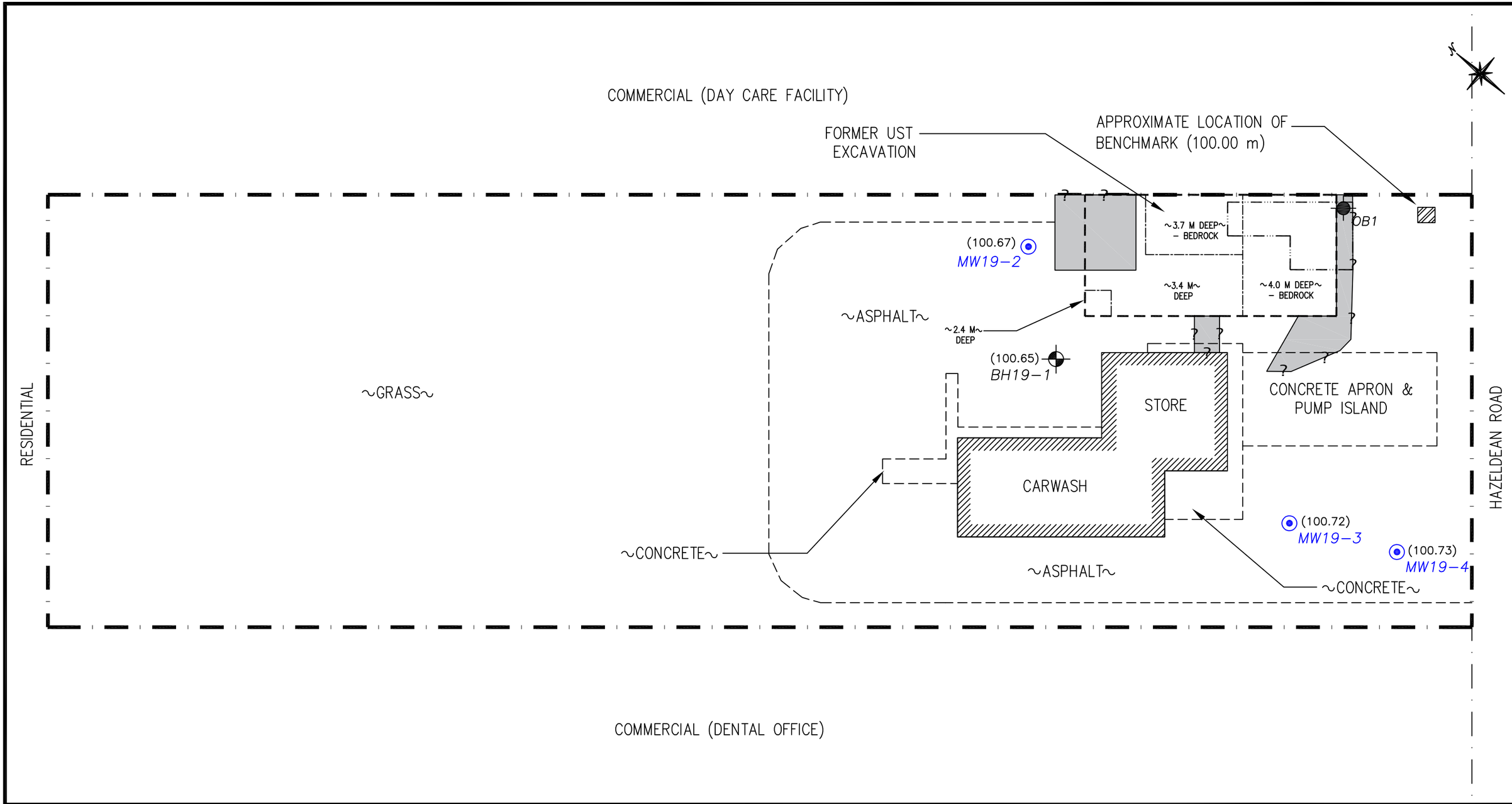
PROJECT
PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
GROUNDWATER ELEVATIONS AND INFERRED GROUNDWATER FLOW DIRECTION

PROJECT NO.
130619

DATE
JUNE 2020

FIGURE 3



LEGEND

- PROPERTY LINE
- EXISTING BUILDING
- DIVISION AMONGST SURFACE MATERIALS
- FORMER UST REMOVAL AND REMEDIATION EXCAVATION LIMITS
- ESTIMATED EXTENT OF IMPACTED SOIL PLUME
- ? ? FULL EXTENT OF IMPACTS NOT CONFIRMED
- APPROXIMATE EXTENT OF EXISITNG UST
- MW99 MONITORING WELL
- BH99 BOREHOLE
- (99.99) GROUND SURFACE ELEVATION
- OBXX TANK NEST OBSERVATION WELL
- VARIANCE IN DEPTHS OF FORMER EXCAVATION

5m 2 0 5 10m

SCALE: 1:300

No.	REVISIONS	BY	DATE
01	FINAL	VW	01/04/2020

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CLIENT
MR. GAS PROPERTIES LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
V.W.	V.W.	M.W.

PROJECT
PETROLEUM HYDROCARBON CONTAMINATION DELINEATION PROGRAM
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
ESTIMATED EXTENT OF REMAINING PETROLEUM HYDROCARBON IMPACTED SOIL

PROJECT NO.
130619

DATE
JUNE 2020

FIGURE 4

TABLES

Table 1
Summary of Groundsurface and Groundwater Elevations
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Monitoring Well	Ground Surface Elevation[1] (m)	Reference Elevation[2] (m)	10-Oct-19				7-Apr-20			
			Headspace VOC Reading (ppm)[3]	Depth To Water Table (m)		Groundwater Elevation (m)	Headspace VOC Reading (ppm)[3]	Depth To Water Table (m)		Groundwater Elevation (m)
				Ground Surface	Reference Point			Ground Surface	Reference Point	
MW19-2	100.67	100.53	8.0	Dry	Dry	--	<0.1	1.38	1.24	99.29
MW19-3	100.72	100.59	46.6	Dry	Dry	--	0.1	1.71	1.58	99.01
MW19-4	100.73	100.61	25.1	Dry	Dry	--	<0.1	1.88	1.76	98.85
OW1	--	--	--	--	--	--	<0.1	--	1.11	--

NOTES

[1] Elevations referenced from the center of the storm sewer manhole cover at the southeastern corner of the Site (elevation = 100.00 m).

[2] Reference elevation is top of PVC riser.

[3] Headspace values measured with a Mini Rae 2000/3000 PID.

-- Not Measured/Not Applicable

Table 2
Summary of Soil Analysis Results - PHC and BTEX/VOC
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse-Textured Soil	Sample BH19-1-8	MW19-2-12	MW19-2-14	MW19-3-22	MW19-4-29
Sample Date (d/m/y)			--	07/10/2019	07/10/2019	07/10/2019	07/10/2019	07/10/2019
Depth	m		--	3.0 - 3.7	1.2 - 1.8	2.4 - 3.0	2.4 - 3.0	1.8 - 2.4
CSV Readings[3]	ppm	0.1	--	0.5	0.7	0.5	0.4	0.4
Physical Characteristics								
% Solids	% by wt.	0.1	--	92.8	93.5	94.3	93.3	91.6
Volatile Organic Compounds (VOC)								
Acetone	µg/g dry	0.50	16	--	<0.50	<0.50	--	--
Benzene	µg/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	µg/g dry	0.05	18	--	<0.05	<0.05	--	--
Bromoform	µg/g dry	0.05	0.61	--	<0.05	<0.05	--	--
Bromomethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--
Carbon Tetrachloride	µg/g dry	0.05	0.21	--	<0.05	<0.05	--	--
Chlorobenzene	µg/g dry	0.05	2.4	--	<0.05	<0.05	--	--
Chloroform	µg/g dry	0.05	0.47	--	<0.05	<0.05	--	--
Dibromochloromethane	µg/g dry	0.05	13	--	<0.05	<0.05	--	--
Dichlorodifluoromethane	µg/g dry	0.05	6.8	--	<0.05	<0.05	--	--
1,2-Dichlorobenzene	µg/g dry	0.05	9.6	--	<0.05	<0.05	--	--
1,3-Dichlorobenzene	µg/g dry	0.05	0.2	--	<0.05	<0.05	--	--
1,4-Dichlorobenzene	µg/g dry	0.05	17	--	<0.05	<0.05	--	--
1,1-Dichloroethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--
1,2-Dichloroethane	µg/g dry	0.05	0.064	--	<0.05	<0.05	--	--
1,1-Dichloroethylene	µg/g dry	0.05	55	--	<0.05	<0.05	--	--
cis-1,2-Dichloroethylene	µg/g dry	0.05	1.3	--	<0.05	<0.05	--	--
trans-1,2-Dichloroethylene	µg/g dry	0.05	0.16	--	<0.05	<0.05	--	--
1,2-Dichloropropane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--
cis-1,3-Dichloropropylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--
trans-1,3-Dichloropropylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--
1,3-Dichloropropene, total	µg/g dry	0.05	0.18	--	<0.05	<0.05	--	--
Ethylbenzene	µg/g dry	0.05	9.5	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--
Hexane	µg/g dry	0.05	46	--	<0.05	<0.05	--	--
Methyl Ethyl Ketone (2-Butanone)	µg/g dry	0.50	70	--	<0.50	<0.50	--	--
Methyl Isobutyl Ketone	µg/g dry	0.50	31	--	<0.50	<0.50	--	--
Methyl tert-butyl ether	µg/g dry	0.05	11	--	<0.05	<0.05	--	--
Methylene Chloride	µg/g dry	0.05	1.6	--	<0.05	<0.05	--	--
Styrene	µg/g dry	0.05	34	--	<0.05	<0.05	--	--
1,1,1,2-Tetrachloroethane	µg/g dry	0.05	0.087	--	<0.05	<0.05	--	--
1,1,2,2-Tetrachloroethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--
Tetrachloroethylene	µg/g dry	0.05	4.5	--	<0.05	<0.05	--	--
Toluene	µg/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	µg/g dry	0.05	6.1	--	<0.05	<0.05	--	--
1,1,2-Trichloroethane	µg/g dry	0.05	0.05	--	<0.05	<0.05	--	--
Trichloroethylene	µg/g dry	0.05	0.91	--	<0.05	<0.05	--	--
Trichlorofluoromethane	µg/g dry	0.05	4	--	<0.05	<0.05	--	--
Vinyl Chloride	µg/g dry	0.02	0.032	--	<0.02	<0.02	--	--
m/p-Xylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--
o-Xylene	µg/g dry	0.05	--	--	<0.05	<0.05	--	--
Xylenes, total	µg/L dry	0.05	26	<0.05	<0.05	<0.05	<0.05	<0.05
Petroleum Hydrocarbon Compounds (PHC)								
F1 PHCs (C6-C10)	µg/g dry	7	55	<7	<7	<7	<7	<7
F2 PHCs (C10-C16)	µg/g dry	4	230	<4	<4	<4	<4	<4
F3 PHCs (C16-C34)	µg/g dry	8	1700	<8	247	<8	<8	<8
F4 PHCs (C34-C50)	µg/L dry	6	3300	<6	215	<6	<6	<6

NOTES:

[1] MECP's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Generic Site Condition Standards for Use in a Non-Potable Groundwater Condition, commercial property use.

[3] Combustible soil vapour concentrations measured with a MiniRAE 2000 PID

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon Compounds

Table 3
Summary of Soil Analysis Results - Metals
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse-Textured Soil	Sample BH19-1-8	MW19-2-12	MW19-2-14	MW19-3-22	MW19-4-29
Sample Date (d/m/y)			--	07/10/2019	07/10/2019	07/10/2019	07/10/2019	07/10/2019
Depth	m		--	3.0 - 3.7	1.2 - 1.8	2.4 - 3.0	2.4 - 3.0	1.8 - 2.4
CSV Readings[3]	ppm	0.1	--	0.5	0.7	0.5	0.4	0.4
Metals								
Lead	µg/g dry	1.0	120	4.6	4.9	4.4	2.5	3.8

NOTES:

[1] MECP's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011* .

[2] Table 3: Generic Site Condition Standards for Use in a Non-Potable Groundwater Condition, commercial property use.

[3] Combustible soil vapour concentrations measured with a MiniRAE 2000 PID.

MDL Method Detection Limit.

-- No Value/Not Analysed.

Table 4
Summary of Groundwater Analysis Results - PHC, VOC & Lead
Petroleum Hydrocarbon Contamination Delineation Program
5899 Hazeldean Road, Stittsville,Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse-Textured Soil	Sample MW19-2	MW19-X	MW19-3	MW19-4	OW1
Sample Date (d/m/y)			--	07/04/2020		07/04/2020	07/04/2020	07/04/2020
Headspace VOC Readings[3]	ppm	0.1	--	<0.1		0.1	<0.1	<0.1
Evidence of free product?	--	--	[4]	No		No	No	No
Volatile Organic Compounds (VOC)								
Acetone	µg/L	5.0	130000	<5.0	<5.0	<5.0	<5.0	<5.0
Benzene	µg/L	0.5	44	<0.5	<0.5	<0.5	<0.5	2.7
Bromodichloromethane	µg/L	0.5	85000	<0.5	<0.5	<0.5	<0.5	<0.5
Bromoform	µg/L	0.5	380	<0.5	<0.5	<0.5	<0.5	<0.5
Bromomethane	µg/L	0.5	5.6	<0.5	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	µg/L	0.2	0.79	<0.2	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	µg/L	0.5	630	<0.5	<0.5	<0.5	<0.5	<0.5
Chloroform	µg/L	0.5	2.4	<0.5	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	µg/L	0.5	82000	<0.5	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	µg/L	1.0	4400	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	µg/L	0.5	4600	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	µg/L	0.5	9600	<0.5	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	µg/L	0.5	8	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	µg/L	0.5	320	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	µg/L	0.5	16	<0.5	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropene, total	µg/L	0.5	5.2	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	µg/L	0.5	2300	<0.5	<0.5	<0.5	<0.5	<0.5
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.2	0.25	<0.2	<0.2	<0.2	<0.2	<0.2
Hexane	µg/L	1.0	51	<1.0	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	µg/L	5.0	470000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	µg/L	5.0	140000	<5.0	<5.0	<5.0	<5.0	<5.0
Methyl tert-Butyl Ether (MTBE)	µg/L	2.0	190	<2.0	<2.0	<2.0	<2.0	7.1
Methylene Chloride	µg/L	5.0	610	<5.0	<5.0	<5.0	<5.0	<5.0
Styrene	µg/L	0.5	1300	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	µg/L	0.5	3.3	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	µg/L	0.5	3.2	<0.5	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
Toluene	µg/L	0.5	18000	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	µg/L	0.5	640	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	µg/L	0.5	4.7	<0.5	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	µg/L	0.5	1.6	<0.5	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	µg/L	1.0	2500	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	µg/L	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
m/p-Xylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
o-Xylene	µg/L	0.5	--	<0.5	<0.5	<0.5	<0.5	<0.5
Xylenes, total	µg/L	0.5	4200	<0.5	<0.5	<0.5	<0.5	<0.5
Petroleum Hydrocarbon Compounds (PHC)								
F1 PHCs (C6-C10)	µg/L	25	750	<25	<25	<25	<25	<25
F2 PHCs (C10-C16)	µg/L	100	150	<100	<100	<100	<100	<100
F3 PHCs (C16-C34)	µg/L	100	500	<100	<100	<100	<100	<100
F4 PHCs (C34-C50)	µg/L	100	500	<100	<100	<100	<100	<100
F1 + F2 PHCs	µg/L	125	--	--	--	--	--	--
F3 + F4 PHCs	µg/L	200	--	--	--	--	--	--
Metals								
Lead	µg/L	0.1	25	<0.1	<0.1	<0.1	--	<0.1

NOTES:

[1] MECP's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011.*

[2] Table 3: Generic Site Condition Standards in a Non-Potable Groundwater Condition, commercial property use.

[3] Headspace values measured with a Mini Rae 3000 PID.

[4] To meet the standard there must be no evidence of free product including film or sheen.

MDL Method Detection Limit.

-- No Value/Not Analysed.

PHC Petroleum Hydrocarbon Compounds.

Appendix A
Borehole Logs

Borehole Log: BH19-1

Project No.: 130619 | **Project:** Contamination Delineation

Client: Mr. Gas Ltd. | **Location:** 5899 Hazeldean Road, Stittsville, Ontario

Date: October 7, 2019 | **Field Personnel:** VW

Driller: George Downing Estate Drilling Ltd. | **Drilling Equipment:** CME 55 Truck Mount | **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Monitoring Well Details
		Ground Surface	100.65								
0.0	0.0	**ASPHALT**	0.00								
		SAND AND GRAVEL Grey sand and gravel.				1				0.1	
1.0		**LOAM** Dark brown loam.	100.27 0.38			2	6	75		0.1	
		CLAYEY SAND Brown clayey sand.	100.05 0.60			3				<0.1	
2.0		**TILL** Grey till. Dry.									
3.0	1.0	Auger refusal upon inferred bedrock.				4	13	88		0.4	
4.0						5	39	95		0.3	
5.0											
6.0	2.0					6	55	100		0.1	
7.0											
8.0						7	???	46		0.4	
9.0											
10.0	3.0					8	???	63	PHC, BTEX,	0.5	
11.0											
			97.09								
12.0		End of Borehole	3.56								

Easting: 0457765 | **Northing:** 5014249

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.65 (m) | **Top of Riser Elev.:** --

Hole Diameter: 203 mm | **Monitoring Well Diameter:** --

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds
PCB - Polychlorinated Biphenyl
BTEX - Benzene, Toluene, Ethylbenzene, Xylene

Borehole Log: BH/MW19-2

Project No.: 130619 **Project:** Contamination Delineation

Client: Mr. Gas Ltd. **Location:** 5899 Hazeldean Road, Stittsville, Ontario

Date: October 7, 2019 **Field Personnel:** VW

Driller: George Downing Estate Drilling Ltd. **Drilling Equipment:** CME 55 Truck Mount **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Monitoring Well Details
		Ground Surface	100.67								
0.0	0.0	**ASPHALT**	0.00								
		SAND AND GRAVEL Grey sand and gravel.	100.47 0.20			9	33	46		0.7	
1.0		**LOAM** Dark brown loam.	100.07			1				0.4	
2.0		**SAND AND GRAVEL** Dark brown sand and gravel.	0.60								
3.0	1.0					11	36	17		0.7	
4.0		**SANDY CLAY** Gray-brown sandy clay, moist. Large stone at bottom.	99.47 1.20						PHC, VOC, Lead		
5.0						12	42	25		0.7	
6.0		**SILTY CLAY** Grey silty clay, dry.	98.87 1.80								
7.0	2.0					13	59	100		0.4	
8.0									PHC, VOC, Lead		
9.0						14	???	56		0.5	
10.0	3.0		97.55 3.12			15	???	13		0.4	
		End of Borehole									
11.0											
12.0											
13.0	4.0										
14.0											
15.0											
16.0											

Combustible Soil Vapours: ppm 20 40 60 80; % LEL 10 20 30 40 50 60 70 80 90

Monitoring Well Details: DRY (07/10/2019)

Easting: 0427770 **Northing:** 5014257

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.67 m **Top of Riser Elev.:** 100.53 m

Hole Diameter: 203 mm **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Borehole Log: BH/MW19-3

Project No.: 130619 **Project:** Contamination Delineation

Client: Mr. Gas Ltd. **Location:** 5899 Hazeldean Road, Stittsville, Ontario

Date: October 7, 2019 **Field Personnel:** VW

Driller: George Downing Estate Drilling Ltd. **Drilling Equipment:** CME 55 Truck Mount **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Monitoring Well Details
0.0	0.0	Ground Surface	100.72								
		ASPHALT	0.00								
		SAND AND GRAVEL Grey sand and gravel.	100.54 0.18			16 17	6	79		0.4 0.2	
1.0		**LOAM** Dark brown loam.				18				0.2	
2.0		**SANDY CLAY** Brown sandy clay, moist, dry at 1.8 m bgs. Some oxidation, decreasing with depth. Large stone at 0.8 m bgs.				19	25	65		0.3	
4.0						20	???	46		0.5	
6.0	2.0					21	68	100		0.4	
8.0						22	???	38	PHC, BTEX, Lead	0.4	
9.0			97.82 2.90								
10.0	3.0	End of Borehole									
13.0	4.0										
16.0											

Combustible Soil Vapours: ppm 20 40 60 80; % LEL 10 20 30 40 50 60 70 80 90

Monitoring Well Details: DRY (07/10/2019)

Easting: 0427769 **Northing:** 5014225

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.72 m **Top of Riser Elev.:** 100.59 m

Hole Diameter: 203 mm **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Borehole Log: BH/MW19-4

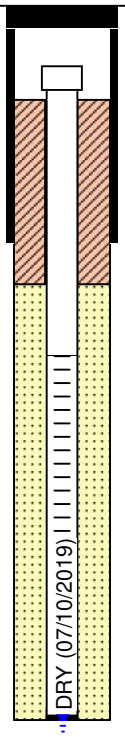
Project No.: 130619 **Project:** Contamination Delineation

Client: Mr. Gas Ltd. **Location:** 5899 Hazeldean Road, Stittsville, Ontario

Date: October 7, 2019 **Field Personnel:** VW

Driller: George Downing Estate Drilling Ltd. **Drilling Equipment:** CME 55 Truck Mount **Drilling Method:** Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Lithology	Type	Sample Number	N or RQD (%)	Recovery (%)	Lab Analysis	Combustible Soil Vapours (ppm)	Monitoring Well Details
0.0	0.0	Ground Surface	100.73								
		ASPHALT	0.00								
1.0		**SAND AND GRAVEL** Grey sand and gravel.	100.46 0.27			23				0.3	
						2	33	46		0.3	
		LOAM Dark brown loam.	100.13			25				0.4	
2.0			0.60								
		SANDY CLAY Brown sandy clay, moist.	99.94 0.79			26				0.3	
3.0	1.0	**SAND** Brown sand fill.				27	36	17		0.6	
4.0		**SAND AND GRAVEL** Grey sand and gravel.	99.53 1.20								
		TILL Grey-brown till with oxidation, decreasing with depth. Dry and hard.				28	42	25		0.3	
6.0	2.0					29	59	100	PHC, BTEX, Lead	0.4	
8.0						30	???	56		0.3	
9.0											
10.0	3.0	End of Borehole	97.73 3.00								
11.0											
12.0											
13.0	4.0										
14.0											
15.0											
16.0											



Easting: 0427775 **Northing:** 5014220

Site Datum: Center of SE storm sewer manhole cover (100.00 m)

Groundsurface Elevation: 100.73 m **Top of Riser Elev.:** 100.61 m

Hole Diameter: 203 mm **Monitoring Well Diameter:** 51 mm

NOTES

BGS - Below Ground Surface
PHC - Petroleum Hydrocarbons
VOC - Volatile Organic Compounds

Appendix B
Laboratory Certificates of Analysis

PARACEL LABORATORIES LTD.

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Valerie Weisflock

Client PO:
Project: 130619
Custody: 122913

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019

Order #: 1941244

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1941244-01	BH19-1-8
1941244-02	MW19-2-12
1941244-03	MW19-2-14
1941244-04	MW19-3-22
1941244-05	MW19-4-29

Approved By: Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019
Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
BTEX by P&T GC-MS	EPA 8260 - P&T GC-MS	8-Oct-19	11-Oct-19
Metals, ICP-OES	based on MOE E3470, ICP-OES	11-Oct-19	11-Oct-19
PHC F1	CWS Tier 1 - P&T GC-FID	8-Oct-19	10-Oct-19
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	9-Oct-19	11-Oct-19
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	8-Oct-19	10-Oct-19
Solids, %	Gravimetric, calculation	9-Oct-19	9-Oct-19

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019
Project Description: 130619

	Client ID:	BH19-1-8	MW19-2-12	MW19-2-14	MW19-3-22
	Sample Date:	07-Oct-19 09:00	07-Oct-19 09:00	07-Oct-19 09:00	07-Oct-19 09:00
	Sample ID:	1941244-01	1941244-02	1941244-03	1941244-04
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	92.8	93.5	94.3	93.3
Metals					
Lead	1.0 ug/g dry	4.6	4.9	4.4	2.5
Volatiles					
Acetone	0.50 ug/g dry	-	<0.50	<0.50	-
Benzene	0.02 ug/g dry	-	<0.02	<0.02	-
Bromodichloromethane	0.05 ug/g dry	-	<0.05	<0.05	-
Bromoform	0.05 ug/g dry	-	<0.05	<0.05	-
Bromomethane	0.05 ug/g dry	-	<0.05	<0.05	-
Carbon Tetrachloride	0.05 ug/g dry	-	<0.05	<0.05	-
Chlorobenzene	0.05 ug/g dry	-	<0.05	<0.05	-
Chloroform	0.05 ug/g dry	-	<0.05	<0.05	-
Dibromochloromethane	0.05 ug/g dry	-	<0.05	<0.05	-
Dichlorodifluoromethane	0.05 ug/g dry	-	<0.05	<0.05	-
1,2-Dichlorobenzene	0.05 ug/g dry	-	<0.05	<0.05	-
1,3-Dichlorobenzene	0.05 ug/g dry	-	<0.05	<0.05	-
1,4-Dichlorobenzene	0.05 ug/g dry	-	<0.05	<0.05	-
1,1-Dichloroethane	0.05 ug/g dry	-	<0.05	<0.05	-
1,2-Dichloroethane	0.05 ug/g dry	-	<0.05	<0.05	-
1,1-Dichloroethylene	0.05 ug/g dry	-	<0.05	<0.05	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	-	<0.05	<0.05	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	-	<0.05	<0.05	-
1,2-Dichloropropane	0.05 ug/g dry	-	<0.05	<0.05	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	-	<0.05	<0.05	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	-	<0.05	<0.05	-
1,3-Dichloropropene, total	0.05 ug/g dry	-	<0.05	<0.05	-
Ethylbenzene	0.05 ug/g dry	-	<0.05	<0.05	-
Ethylene dibromide (dibromoethan	0.05 ug/g dry	-	<0.05	<0.05	-
Hexane	0.05 ug/g dry	-	<0.05	<0.05	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	-	<0.50	<0.50	-
Methyl Isobutyl Ketone	0.50 ug/g dry	-	<0.50	<0.50	-
Methyl tert-butyl ether	0.05 ug/g dry	-	<0.05	<0.05	-
Methylene Chloride	0.05 ug/g dry	-	<0.05	<0.05	-
Styrene	0.05 ug/g dry	-	<0.05	<0.05	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	-	<0.05	<0.05	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019
Project Description: 130619

	Client ID:	BH19-1-8	MW19-2-12	MW19-2-14	MW19-3-22
	Sample Date:	07-Oct-19 09:00	07-Oct-19 09:00	07-Oct-19 09:00	07-Oct-19 09:00
	Sample ID:	1941244-01	1941244-02	1941244-03	1941244-04
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	-	<0.05	<0.05	-
Tetrachloroethylene	0.05 ug/g dry	-	<0.05	<0.05	-
Toluene	0.05 ug/g dry	-	<0.05	<0.05	-
1,1,1-Trichloroethane	0.05 ug/g dry	-	<0.05	<0.05	-
1,1,2-Trichloroethane	0.05 ug/g dry	-	<0.05	<0.05	-
Trichloroethylene	0.05 ug/g dry	-	<0.05	<0.05	-
Trichlorofluoromethane	0.05 ug/g dry	-	<0.05	<0.05	-
Vinyl chloride	0.02 ug/g dry	-	<0.02	<0.02	-
m,p-Xylenes	0.05 ug/g dry	-	<0.05	<0.05	-
o-Xylene	0.05 ug/g dry	-	<0.05	<0.05	-
Xylenes, total	0.05 ug/g dry	-	<0.05	<0.05	-
4-Bromofluorobenzene	Surrogate	-	96.0%	105%	-
Dibromofluoromethane	Surrogate	-	80.1%	73.2%	-
Toluene-d8	Surrogate	-	108%	111%	-
Benzene	0.02 ug/g dry	<0.02	-	-	<0.02
Ethylbenzene	0.05 ug/g dry	<0.05	-	-	<0.05
Toluene	0.05 ug/g dry	<0.05	-	-	<0.05
m,p-Xylenes	0.05 ug/g dry	<0.05	-	-	<0.05
o-Xylene	0.05 ug/g dry	<0.05	-	-	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	-	-	<0.05
Toluene-d8	Surrogate	110%	-	-	109%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	247	<8	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	215	<6	<6

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019
Project Description: 130619

	Client ID:	MW19-4-29	-	-	-
	Sample Date:	07-Oct-19 09:00	-	-	-
	Sample ID:	1941244-05	-	-	-
	MDL/Units	Soil	-	-	-
Physical Characteristics					
% Solids	0.1 % by Wt.	91.6	-	-	-
Metals					
Lead	1.0 ug/g dry	3.8	-	-	-
Volatiles					
Benzene	0.02 ug/g dry	<0.02	-	-	-
Ethylbenzene	0.05 ug/g dry	<0.05	-	-	-
Toluene	0.05 ug/g dry	<0.05	-	-	-
m,p-Xylenes	0.05 ug/g dry	<0.05	-	-	-
o-Xylene	0.05 ug/g dry	<0.05	-	-	-
Xylenes, total	0.05 ug/g dry	<0.05	-	-	-
Toluene-d8	Surrogate	109%	-	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	-	-	-
F2 PHCs (C10-C16)	4 ug/g dry	<4	-	-	-
F3 PHCs (C16-C34)	8 ug/g dry	<8	-	-	-
F4 PHCs (C34-C50)	6 ug/g dry	<6	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
Metals									
Lead	ND	1.0	ug/g						
Volatiles									
Acetone	ND	0.50	ug/g						
Benzene	ND	0.02	ug/g						
Bromodichloromethane	ND	0.05	ug/g						
Bromoform	ND	0.05	ug/g						
Bromomethane	ND	0.05	ug/g						
Carbon Tetrachloride	ND	0.05	ug/g						
Chlorobenzene	ND	0.05	ug/g						
Chloroform	ND	0.05	ug/g						
Dibromochloromethane	ND	0.05	ug/g						
Dichlorodifluoromethane	ND	0.05	ug/g						
1,2-Dichlorobenzene	ND	0.05	ug/g						
1,3-Dichlorobenzene	ND	0.05	ug/g						
1,4-Dichlorobenzene	ND	0.05	ug/g						
1,1-Dichloroethane	ND	0.05	ug/g						
1,2-Dichloroethane	ND	0.05	ug/g						
1,1-Dichloroethylene	ND	0.05	ug/g						
cis-1,2-Dichloroethylene	ND	0.05	ug/g						
trans-1,2-Dichloroethylene	ND	0.05	ug/g						
1,2-Dichloropropane	ND	0.05	ug/g						
cis-1,3-Dichloropropylene	ND	0.05	ug/g						
trans-1,3-Dichloropropylene	ND	0.05	ug/g						
1,3-Dichloropropene, total	ND	0.05	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Ethylene dibromide (dibromoethane	ND	0.05	ug/g						
Hexane	ND	0.05	ug/g						
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g						
Methyl Isobutyl Ketone	ND	0.50	ug/g						
Methyl tert-butyl ether	ND	0.05	ug/g						
Methylene Chloride	ND	0.05	ug/g						
Styrene	ND	0.05	ug/g						
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g						
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g						
Tetrachloroethylene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
1,1,1-Trichloroethane	ND	0.05	ug/g						
1,1,2-Trichloroethane	ND	0.05	ug/g						
Trichloroethylene	ND	0.05	ug/g						
Trichlorofluoromethane	ND	0.05	ug/g						
Vinyl chloride	ND	0.02	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						
Surrogate: 4-Bromofluorobenzene	*3.22*		*ug/g*		*101*	*50-140*			
Surrogate: Dibromofluoromethane	*2.26*		*ug/g*		*70.8*	*50-140*			
Surrogate: Toluene-d8	*3.24*		*ug/g*		*101*	*50-140*			
Benzene	ND	0.02	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019
Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*3.24*		*ug/g*		*101*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND				40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND				30	
F3 PHCs (C16-C34)	55	8	ug/g dry	ND			0.0	30	
F4 PHCs (C34-C50)	51	6	ug/g dry	ND			0.0	30	
Metals									
Lead	5.77	1.0	ug/g dry	4.63			21.9	30	
Physical Characteristics									
% Solids	83.5	0.1	% by Wt.	80.4			3.8	25	
Volatiles									
Acetone	ND	0.50	ug/g dry	ND				50	
Benzene	ND	0.02	ug/g dry	ND				50	
Bromodichloromethane	ND	0.05	ug/g dry	ND				50	
Bromoform	ND	0.05	ug/g dry	ND				50	
Bromomethane	ND	0.05	ug/g dry	ND				50	
Carbon Tetrachloride	ND	0.05	ug/g dry	ND				50	
Chlorobenzene	ND	0.05	ug/g dry	ND				50	
Chloroform	ND	0.05	ug/g dry	ND				50	
Dibromochloromethane	ND	0.05	ug/g dry	ND				50	
Dichlorodifluoromethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,3-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,4-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
1,2-Dichloropropane	ND	0.05	ug/g dry	ND				50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Ethylene dibromide (dibromoethane	ND	0.05	ug/g dry	ND				50	
Hexane	ND	0.05	ug/g dry	ND				50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g dry	ND				50	
Methyl Isobutyl Ketone	ND	0.50	ug/g dry	ND				50	
Methyl tert-butyl ether	ND	0.05	ug/g dry	ND				50	
Methylene Chloride	ND	0.05	ug/g dry	ND				50	
Styrene	ND	0.05	ug/g dry	ND				50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
Tetrachloroethylene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
1,1,1-Trichloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2-Trichloroethane	ND	0.05	ug/g dry	ND				50	
Trichloroethylene	ND	0.05	ug/g dry	ND				50	
Trichlorofluoromethane	ND	0.05	ug/g dry	ND				50	
Vinyl chloride	ND	0.02	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	
o-Xylene	ND	0.05	ug/g dry	ND				50	
Surrogate: 4-Bromofluorobenzene	*3.42*		*ug/g dry*		*102*	*50-140*			
Surrogate: Dibromofluoromethane	*2.83*		*ug/g dry*		*84.2*	*50-140*			
Surrogate: Toluene-d8	*3.63*		*ug/g dry*		*108*	*50-140*			
Benzene	ND	0.02	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
o-Xylene	ND	0.05	ug/g dry	ND				50	
Surrogate: Toluene-d8	*3.63*		*ug/g dry*		*108*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	176	7	ug/g		87.9	80-120			
F2 PHCs (C10-C16)	89	4	ug/g	ND	103	60-140			
F3 PHCs (C16-C34)	263	8	ug/g	ND	125	60-140			
F4 PHCs (C34-C50)	157	6	ug/g	ND	118	60-140			
Metals									
Lead	269		ug/L	92.5	70.5	70-130			
Volatiles									
Acetone	5.08	0.50	ug/g		50.8	50-140			
Benzene	2.53	0.02	ug/g		63.3	60-130			
Bromodichloromethane	2.68	0.05	ug/g		67.0	60-130			
Bromoform	3.81	0.05	ug/g		95.2	60-130			
Bromomethane	3.24	0.05	ug/g		80.9	50-140			
Carbon Tetrachloride	2.87	0.05	ug/g		71.9	60-130			
Chlorobenzene	3.96	0.05	ug/g		99.0	60-130			
Chloroform	2.67	0.05	ug/g		66.8	60-130			
Dibromochloromethane	4.06	0.05	ug/g		101	60-130			
Dichlorodifluoromethane	2.57	0.05	ug/g		64.3	50-140			
1,2-Dichlorobenzene	3.34	0.05	ug/g		83.5	60-130			
1,3-Dichlorobenzene	3.32	0.05	ug/g		83.0	60-130			
1,4-Dichlorobenzene	3.56	0.05	ug/g		89.0	60-130			
1,1-Dichloroethane	2.61	0.05	ug/g		65.3	60-130			
1,2-Dichloroethane	2.51	0.05	ug/g		62.8	60-130			
1,1-Dichloroethylene	3.12	0.05	ug/g		78.1	60-130			
cis-1,2-Dichloroethylene	2.61	0.05	ug/g		65.3	60-130			
trans-1,2-Dichloroethylene	2.43	0.05	ug/g		60.7	60-130			
1,2-Dichloropropane	3.74	0.05	ug/g		93.6	60-130			
cis-1,3-Dichloropropylene	2.68	0.05	ug/g		67.1	60-130			
trans-1,3-Dichloropropylene	2.48	0.05	ug/g		62.1	60-130			
Ethylbenzene	4.05	0.05	ug/g		101	60-130			
Ethylene dibromide (dibromoethane	3.16	0.05	ug/g		79.0	60-130			
Hexane	3.81	0.05	ug/g		95.4	60-130			
Methyl Ethyl Ketone (2-Butanone)	6.78	0.50	ug/g		67.8	50-140			
Methyl Isobutyl Ketone	6.21	0.50	ug/g		62.1	50-140			
Methyl tert-butyl ether	5.26	0.05	ug/g		52.6	50-140			
Methylene Chloride	2.48	0.05	ug/g		61.9	60-130			
Styrene	3.84	0.05	ug/g		96.0	60-130			
1,1,1,2-Tetrachloroethane	4.46	0.05	ug/g		111	60-130			
1,1,2,2-Tetrachloroethane	3.88	0.05	ug/g		96.9	60-130			
Tetrachloroethylene	3.83	0.05	ug/g		95.8	60-130			
Toluene	4.21	0.05	ug/g		105	60-130			
1,1,1-Trichloroethane	2.73	0.05	ug/g		68.3	60-130			
1,1,2-Trichloroethane	2.53	0.05	ug/g		63.2	60-130			
Trichloroethylene	3.24	0.05	ug/g		81.0	60-130			
Trichlorofluoromethane	3.21	0.05	ug/g		80.3	50-140			
Vinyl chloride	2.75	0.02	ug/g		68.6	50-140			
m,p-Xylenes	8.17	0.05	ug/g		102	60-130			
o-Xylene	4.05	0.05	ug/g		101	60-130			
Surrogate: 4-Bromofluorobenzene	*2.58*		*ug/g*		*80.8*	*50-140*			
Benzene	2.53	0.02	ug/g		63.3	60-130			
Ethylbenzene	4.05	0.05	ug/g		101	60-130			

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 15-Oct-2019
Order Date: 8-Oct-2019
Project Description: 130619

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Toluene	4.21	0.05	ug/g		105	60-130			
m,p-Xylenes	8.17	0.05	ug/g		102	60-130			
o-Xylene	4.05	0.05	ug/g		101	60-130			

Qualifier Notes:

None

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Jessica Arthurs

Client PO:
Project: 130619
Custody: 127735

Report Date: 13-Apr-2020
Order Date: 7-Apr-2020

Order #: 2015149

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2015149-01	MW19-2
2015149-02	MW19-3
2015149-03	MW19-4
2015149-04	MW19-X
2015149-05	OW1

Approved By:

Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-MS	EPA 200.8 - ICP-MS	8-Apr-20	8-Apr-20
PHC F1	CWS Tier 1 - P&T GC-FID	8-Apr-20	9-Apr-20
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	8-Apr-20	9-Apr-20
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	8-Apr-20	9-Apr-20

Certificate of Analysis

Client: **LRL Associates Ltd.**

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

	Client ID:	MW19-2	MW19-3	MW19-4	MW19-X
	Sample Date:	07-Apr-20 12:00	07-Apr-20 12:00	07-Apr-20 12:00	07-Apr-20 12:00
	Sample ID:	2015149-01	2015149-02	2015149-03	2015149-04
	MDL/Units	Water	Water	Water	Water
Metals					
Lead	0.1 ug/L	<0.1	<0.1	-	<0.1
Volatiles					
Acetone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Benzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromodichloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromoform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Bromomethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Carbon Tetrachloride	0.2 ug/L	<0.2	<0.2	<0.2	<0.2
Chlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Chloroform	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Dibromochloromethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Dichlorodifluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,4-Dichlorobenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,2-Dichloropropane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,3-Dichloropropene, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Ethylbenzene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Ethylene dibromide (dibromoethane, 1,2-)	0.2 ug/L	<0.2	<0.2	<0.2	<0.2
Hexane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Methyl tert-butyl ether	2.0 ug/L	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5.0 ug/L	<5.0	<5.0	<5.0	<5.0
Styrene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Tetrachloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

	Client ID:	MW19-2	MW19-3	MW19-4	MW19-X
	Sample Date:	07-Apr-20 12:00	07-Apr-20 12:00	07-Apr-20 12:00	07-Apr-20 12:00
	Sample ID:	2015149-01	2015149-02	2015149-03	2015149-04
	MDL/Units	Water	Water	Water	Water
Toluene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,1-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
1,1,2-Trichloroethane	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Trichloroethylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Trichlorofluoromethane	1.0 ug/L	<1.0	<1.0	<1.0	<1.0
Vinyl chloride	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
m,p-Xylenes	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
o-Xylene	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
Xylenes, total	0.5 ug/L	<0.5	<0.5	<0.5	<0.5
4-Bromofluorobenzene	Surrogate	94.7%	94.8%	89.4%	97.0%
Dibromofluoromethane	Surrogate	109%	113%	108%	110%
Toluene-d8	Surrogate	93.2%	96.0%	94.8%	95.1%
Hydrocarbons					
F1 PHCs (C6-C10)	25 ug/L	<25	<25	<25	<25
F2 PHCs (C10-C16)	100 ug/L	<100	<100	<100	<100
F3 PHCs (C16-C34)	100 ug/L	<100	<100	<100	<100
F4 PHCs (C34-C50)	100 ug/L	<100	<100	<100	<100

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

	Client ID:	OW1	-	-	-
	Sample Date:	07-Apr-20 12:00	-	-	-
	Sample ID:	2015149-05	-	-	-
	MDL/Units	Water	-	-	-
Metals					
Lead	0.1 ug/L	<0.1	-	-	-
Volatiles					
Acetone	5.0 ug/L	<5.0	-	-	-
Benzene	0.5 ug/L	2.7	-	-	-
Bromodichloromethane	0.5 ug/L	<0.5	-	-	-
Bromoform	0.5 ug/L	<0.5	-	-	-
Bromomethane	0.5 ug/L	<0.5	-	-	-
Carbon Tetrachloride	0.2 ug/L	<0.2	-	-	-
Chlorobenzene	0.5 ug/L	<0.5	-	-	-
Chloroform	0.5 ug/L	<0.5	-	-	-
Dibromochloromethane	0.5 ug/L	<0.5	-	-	-
Dichlorodifluoromethane	1.0 ug/L	<1.0	-	-	-
1,2-Dichlorobenzene	0.5 ug/L	<0.5	-	-	-
1,3-Dichlorobenzene	0.5 ug/L	<0.5	-	-	-
1,4-Dichlorobenzene	0.5 ug/L	<0.5	-	-	-
1,1-Dichloroethane	0.5 ug/L	<0.5	-	-	-
1,2-Dichloroethane	0.5 ug/L	<0.5	-	-	-
1,1-Dichloroethylene	0.5 ug/L	<0.5	-	-	-
cis-1,2-Dichloroethylene	0.5 ug/L	<0.5	-	-	-
trans-1,2-Dichloroethylene	0.5 ug/L	<0.5	-	-	-
1,2-Dichloropropane	0.5 ug/L	<0.5	-	-	-
cis-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	-	-
trans-1,3-Dichloropropylene	0.5 ug/L	<0.5	-	-	-
1,3-Dichloropropene, total	0.5 ug/L	<0.5	-	-	-
Ethylbenzene	0.5 ug/L	<0.5	-	-	-
Ethylene dibromide (dibromoethane, 1	0.2 ug/L	<0.2	-	-	-
Hexane	1.0 ug/L	<1.0	-	-	-
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<5.0	-	-	-
Methyl Isobutyl Ketone	5.0 ug/L	<5.0	-	-	-
Methyl tert-butyl ether	2.0 ug/L	7.1	-	-	-
Methylene Chloride	5.0 ug/L	<5.0	-	-	-
Styrene	0.5 ug/L	<0.5	-	-	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<0.5	-	-	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<0.5	-	-	-

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

	Client ID:	OW1	-	-	-
	Sample Date:	07-Apr-20 12:00	-	-	-
	Sample ID:	2015149-05	-	-	-
	MDL/Units	Water	-	-	-
Tetrachloroethylene	0.5 ug/L	<0.5	-	-	-
Toluene	0.5 ug/L	<0.5	-	-	-
1,1,1-Trichloroethane	0.5 ug/L	<0.5	-	-	-
1,1,2-Trichloroethane	0.5 ug/L	<0.5	-	-	-
Trichloroethylene	0.5 ug/L	<0.5	-	-	-
Trichlorofluoromethane	1.0 ug/L	<1.0	-	-	-
Vinyl chloride	0.5 ug/L	<0.5	-	-	-
m,p-Xylenes	0.5 ug/L	<0.5	-	-	-
o-Xylene	0.5 ug/L	<0.5	-	-	-
Xylenes, total	0.5 ug/L	<0.5	-	-	-
4-Bromofluorobenzene	Surrogate	97.9%	-	-	-
Dibromofluoromethane	Surrogate	107%	-	-	-
Toluene-d8	Surrogate	92.7%	-	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	25 ug/L	<25	-	-	-
F2 PHCs (C10-C16)	100 ug/L	<100	-	-	-
F3 PHCs (C16-C34)	100 ug/L	<100	-	-	-
F4 PHCs (C34-C50)	100 ug/L	<100	-	-	-

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L						
F2 PHCs (C10-C16)	ND	100	ug/L						
F3 PHCs (C16-C34)	ND	100	ug/L						
F4 PHCs (C34-C50)	ND	100	ug/L						
Metals									
Lead	ND	0.1	ug/L						
Volatiles									
Acetone	ND	5.0	ug/L						
Benzene	ND	0.5	ug/L						
Bromodichloromethane	ND	0.5	ug/L						
Bromoform	ND	0.5	ug/L						
Bromomethane	ND	0.5	ug/L						
Carbon Tetrachloride	ND	0.2	ug/L						
Chlorobenzene	ND	0.5	ug/L						
Chloroform	ND	0.5	ug/L						
Dibromochloromethane	ND	0.5	ug/L						
Dichlorodifluoromethane	ND	1.0	ug/L						
1,2-Dichlorobenzene	ND	0.5	ug/L						
1,3-Dichlorobenzene	ND	0.5	ug/L						
1,4-Dichlorobenzene	ND	0.5	ug/L						
1,1-Dichloroethane	ND	0.5	ug/L						
1,2-Dichloroethane	ND	0.5	ug/L						
1,1-Dichloroethylene	ND	0.5	ug/L						
cis-1,2-Dichloroethylene	ND	0.5	ug/L						
trans-1,2-Dichloroethylene	ND	0.5	ug/L						
1,2-Dichloropropane	ND	0.5	ug/L						
cis-1,3-Dichloropropylene	ND	0.5	ug/L						
trans-1,3-Dichloropropylene	ND	0.5	ug/L						
1,3-Dichloropropene, total	ND	0.5	ug/L						
Ethylbenzene	ND	0.5	ug/L						
Ethylene dibromide (dibromoethane, 1,2	ND	0.2	ug/L						
Hexane	ND	1.0	ug/L						
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L						
Methyl Isobutyl Ketone	ND	5.0	ug/L						
Methyl tert-butyl ether	ND	2.0	ug/L						
Methylene Chloride	ND	5.0	ug/L						
Styrene	ND	0.5	ug/L						
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L						
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L						
Tetrachloroethylene	ND	0.5	ug/L						
Toluene	ND	0.5	ug/L						
1,1,1-Trichloroethane	ND	0.5	ug/L						
1,1,2-Trichloroethane	ND	0.5	ug/L						
Trichloroethylene	ND	0.5	ug/L						
Trichlorofluoromethane	ND	1.0	ug/L						
Vinyl chloride	ND	0.5	ug/L						
m,p-Xylenes	ND	0.5	ug/L						
o-Xylene	ND	0.5	ug/L						
Xylenes, total	ND	0.5	ug/L						
Surrogate: 4-Bromofluorobenzene	*71.6*		*ug/L*		*89.6*	*50-140*			
Surrogate: Dibromofluoromethane	*86.8*		*ug/L*		*109*	*50-140*			
Surrogate: Toluene-d8	*75.8*		*ug/L*		*94.7*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND			NC	30	
Metals									
Lead	ND	0.1	ug/L	ND			NC	20	
Volatiles									
Acetone	ND	5.0	ug/L	ND			NC	30	
Benzene	ND	0.5	ug/L	ND			NC	30	
Bromodichloromethane	3.50	0.5	ug/L	ND			NC	30	
Bromoform	ND	0.5	ug/L	ND			NC	30	
Bromomethane	ND	0.5	ug/L	ND			NC	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			NC	30	
Chlorobenzene	ND	0.5	ug/L	ND			NC	30	
Chloroform	8.58	0.5	ug/L	12.2			35.2	30	QR-07
Dibromochloromethane	ND	0.5	ug/L	ND			NC	30	
Dichlorodifluoromethane	8.80	1.0	ug/L	12.5			34.9	30	QR-07
1,2-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND			NC	30	
1,2-Dichloropropane	ND	0.5	ug/L	ND			NC	30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND			NC	30	
Ethylbenzene	ND	0.5	ug/L	ND			NC	30	
Ethylene dibromide (dibromoethane, 1,2	ND	0.2	ug/L	ND			NC	30	
Hexane	ND	1.0	ug/L	ND			NC	30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			NC	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			NC	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			NC	30	
Methylene Chloride	ND	5.0	ug/L	ND			NC	30	
Styrene	ND	0.5	ug/L	ND			NC	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND			NC	30	
Tetrachloroethylene	ND	0.5	ug/L	ND			NC	30	
Toluene	ND	0.5	ug/L	ND			NC	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			NC	30	
Trichloroethylene	ND	0.5	ug/L	ND			NC	30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			NC	30	
Vinyl chloride	ND	0.5	ug/L	ND			NC	30	
m,p-Xylenes	ND	0.5	ug/L	ND			NC	30	
o-Xylene	ND	0.5	ug/L	ND			NC	30	
Surrogate: 4-Bromofluorobenzene	*74.9*		*ug/L*		*93.6*	*50-140*			
Surrogate: Dibromofluoromethane	*91.8*		*ug/L*		*115*	*50-140*			
Surrogate: Toluene-d8	*75.3*		*ug/L*		*94.2*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	1810	25	ug/L	ND	90.3	68-117			
F2 PHCs (C10-C16)	1580	100	ug/L	ND	99.0	60-140			
F3 PHCs (C16-C34)	3950	100	ug/L	ND	101	60-140			
F4 PHCs (C34-C50)	2400	100	ug/L	ND	96.8	60-140			
Metals									
Lead	39.8	0.1	ug/L	ND	79.6	80-120			QM-01
Volatiles									
Acetone	128	5.0	ug/L	ND	128	50-140			
Benzene	48.0	0.5	ug/L	ND	120	60-130			
Bromodichloromethane	50.6	0.5	ug/L	ND	126	60-130			
Bromoform	51.2	0.5	ug/L	ND	128	60-130			
Bromomethane	21.1	0.5	ug/L	ND	52.6	50-140			
Carbon Tetrachloride	51.0	0.2	ug/L	ND	127	60-130			
Chlorobenzene	48.5	0.5	ug/L	ND	121	60-130			
Chloroform	48.3	0.5	ug/L	ND	121	60-130			
Dibromochloromethane	51.6	0.5	ug/L	ND	129	60-130			
Dichlorodifluoromethane	47.9	1.0	ug/L	ND	120	50-140			
1,2-Dichlorobenzene	44.3	0.5	ug/L	ND	111	60-130			
1,3-Dichlorobenzene	44.3	0.5	ug/L	ND	111	60-130			
1,4-Dichlorobenzene	43.3	0.5	ug/L	ND	108	60-130			
1,1-Dichloroethane	45.5	0.5	ug/L	ND	114	60-130			
1,2-Dichloroethane	51.0	0.5	ug/L	ND	128	60-130			
1,1-Dichloroethylene	43.3	0.5	ug/L	ND	108	60-130			
cis-1,2-Dichloroethylene	46.7	0.5	ug/L	ND	117	60-130			
trans-1,2-Dichloroethylene	48.0	0.5	ug/L	ND	120	60-130			
1,2-Dichloropropane	44.5	0.5	ug/L	ND	111	60-130			
cis-1,3-Dichloropropylene	50.8	0.5	ug/L	ND	127	60-130			
trans-1,3-Dichloropropylene	50.4	0.5	ug/L	ND	126	60-130			
Ethylbenzene	48.6	0.5	ug/L	ND	121	60-130			
Ethylene dibromide (dibromoethane, 1,2-	49.2	0.2	ug/L	ND	123	60-130			
Hexane	48.1	1.0	ug/L	ND	120	60-130			
Methyl Ethyl Ketone (2-Butanone)	124	5.0	ug/L	ND	124	50-140			
Methyl Isobutyl Ketone	129	5.0	ug/L	ND	129	50-140			
Methyl tert-butyl ether	113	2.0	ug/L	ND	113	50-140			
Methylene Chloride	45.9	5.0	ug/L	ND	115	60-130			
Styrene	41.1	0.5	ug/L	ND	103	60-130			
1,1,1,2-Tetrachloroethane	51.1	0.5	ug/L	ND	128	60-130			
1,1,2,2-Tetrachloroethane	49.2	0.5	ug/L	ND	123	60-130			
Tetrachloroethylene	48.2	0.5	ug/L	ND	121	60-130			
Toluene	45.7	0.5	ug/L	ND	114	60-130			
1,1,1-Trichloroethane	52.0	0.5	ug/L	ND	130	60-130			
1,1,2-Trichloroethane	48.5	0.5	ug/L	ND	121	60-130			
Trichloroethylene	49.5	0.5	ug/L	ND	124	60-130			
Trichlorofluoromethane	49.3	1.0	ug/L	ND	123	60-130			
Vinyl chloride	48.9	0.5	ug/L	ND	122	50-140			
m,p-Xylenes	81.0	0.5	ug/L	ND	101	60-130			
o-Xylene	44.7	0.5	ug/L	ND	112	60-130			
Surrogate: 4-Bromofluorobenzene	*61.6*		*ug/L*		*76.9*	*50-140*			

Certificate of Analysis

Client: LRL Associates Ltd.

Client PO:

Report Date: 13-Apr-2020

Order Date: 7-Apr-2020

Project Description: 130619

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*88.8*		*ug/L*		*111*	*50-140*			
Surrogate: Toluene-d8	*66.8*		*ug/L*		*83.6*	*50-140*			

Qualifier Notes:

QC Qualifiers :

QM-01 : The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.

QR-07 : Duplicate result exceeds RPD limits due to non-homogeneity between multiple sample vials. Remainder of QA/QC is acceptable.

Sample Data Revisions

None

Work Order Revisions / Comments:

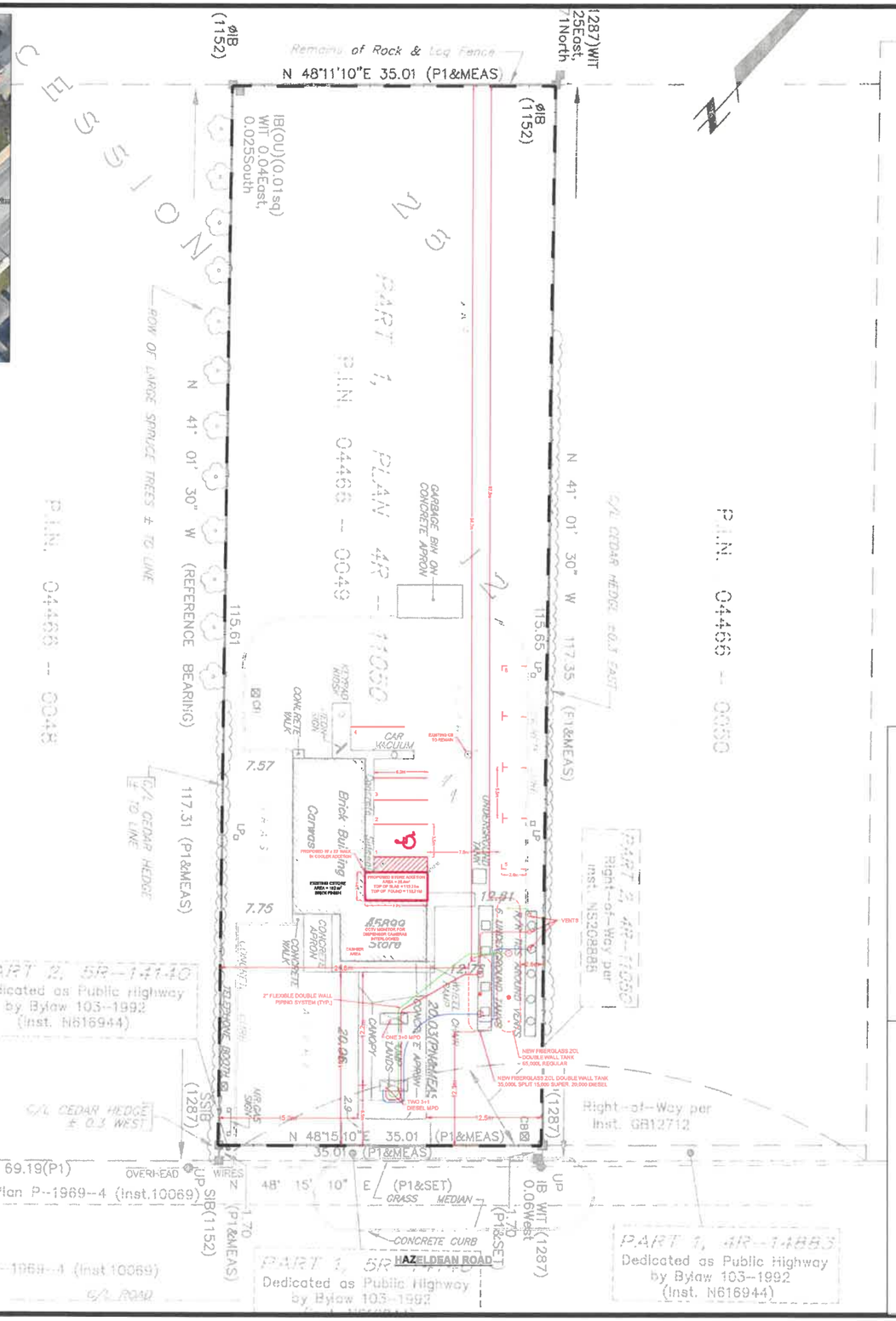
None

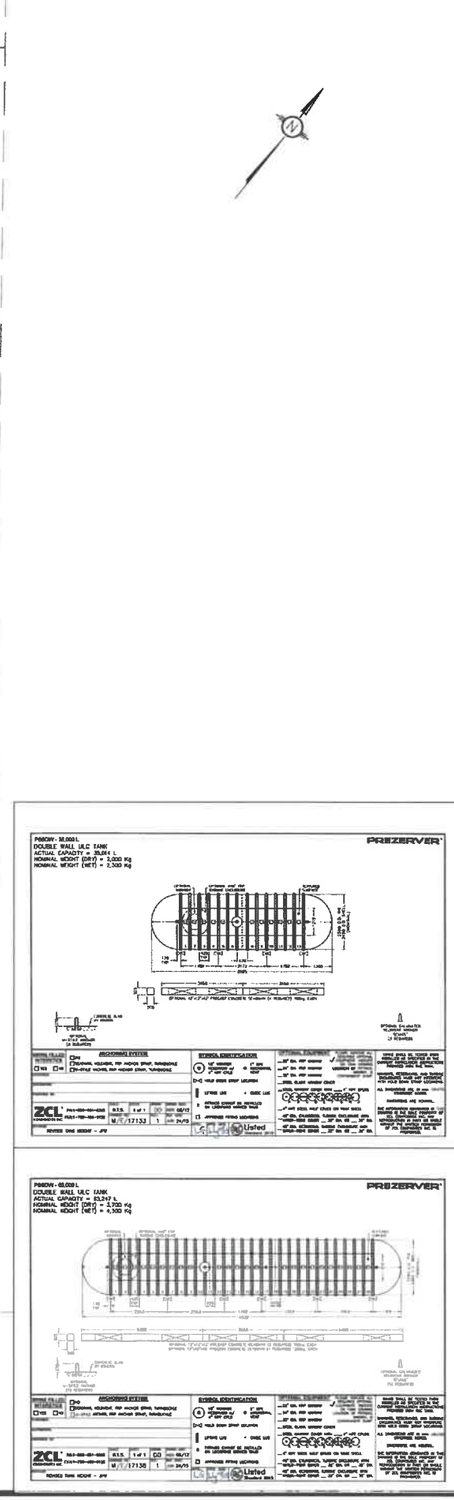
Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.
NC: Not Calculated

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.





USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THIS DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THIS CONTRACT DOCUMENTS.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OR OTHER ELECTRONIC MEDIA AND COPIES THEREOF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.

UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND INCLUDING ON THESE DRAWINGS EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

UNAUTHORIZED CHANGES:

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOSE THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.

IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COSTS ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PRIOR AUTHORIZATION.

GENERAL NOTES:

EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE ORDERING OR PERFORMING WORK.

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM DIRECT FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

5m 0 5 10m

SCALE: 1:250

No.	REVISIONS	BY	DATE
01	ISSUED FOR TSSA	D.M.	12 FEB 2019

NOT AUTHENTIC UNLESS SIGNED AND DATED

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

CLIENT

MR. GAS LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
P.P.	M.L.	J.C.L.

PROJECT

STORE ADDITION
5899 HAZELDEAN RD
STITTSVILLE, ON

DRAWING TITLE

TSSA APPLICATION

PROJECT NO. 180651

DATE OCTOBER 2018

C202

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

May 01, 2019

LILIANNE LEVAC
BCP IV SERVICE STATION LP O/A BG FUELS
140 ALLSTATE PARKWAY UNIT 102
MARKHAM ON L3R 5Y8
CA

FS-Mod Liquid Fuels
Service Request No.: 2548904
FS Gasoline Station - Self Serve
Installed at address: 5899 HAZELDEAN RD STITTSVILLE

Dear LILIANNE LEVAC,

Technical Standards and Safety Authority (TSSA) has received your application dated March 29, 2019, for a FS Gasoline Station - Self Serve. A stamped copy of the approved drawing(s) is enclosed.

Fuels Safety is changing the inspection procedure for pre-license and modification inspections for licensed facilities. Newly built facilities or modified facilities with newly installed underground equipment will require two inspections: the first prior to the tanks and piping being backfilled and the second after the site has been commissioned.

Prior to the tanks and piping being backfilled, the TSSA inspection may include, but is not limited to the following:

1. Name and TSSA registration number of contractor responsible for the installation;
2. Name and TSSA certificate number of petroleum mechanic responsible for the installation;
3. Installation coincides with approved drawings;
4. Pressure testing of the all piping (as per manufacturer's instructions and the code);
5. Hydrostatic testing of sumps;
6. Confirmation that the double-wall tanks are holding vacuum or pressure;
7. Review copies of tank deflection measurements for fiberglass tanks; and
8. Verification of certification of the tank and components.

Once the site has been commissioned, the TSSA inspection may include, but is not limited to the following:

1. Verify that the sensors are installed and working and ensure that the sensors are correctly wired to the panel, if applicable;
2. Verify that underground piping test boots are loosened, if applicable;
3. Verify that dispenser stabilizer bars are securely bolted and that shear valves are in the correct position, if applicable;
4. Check that all applicable signage is in place;
5. For Self-Serve facilities, activate the intercom and verify that the video monitoring system complies with the Liquid Fuels Handling Code; and
6. Test the E-stop.

TSSA Inspection requires a minimum of 10 business days notification for the inspections.

Please be advised that this site will be inspected by David Barclay, TSSA Fuels Safety inspector. To schedule an inspection, please contact the TSSA inspector at 613-808-2727. Also, please ensure that the

Electrical Safety Authority Certificate of Inspection, if applicable, and the engineer approved drawing(s) are presented to the TSSA inspector during the visit.

If the facility is currently licensed and this application is for a modification, the facility may continue to operate under its existing licence until the modification has been authorized.

Should you have any questions or require further assistance, I will be happy to assist you. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Ann-Marie Barker
Engineer Specialist FS
Tel. : 416-734-3354
Fax : 416-231-7525
Email : abarker@tssa.org

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

May 01, 2019

LILIANNE LEVAC
BCP IV SERVICE STATION LP O/A BG FUELS
140 ALLSTATE PARKWAY UNIT 102
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Ann-Marie Barker
Engineer Specialist FS
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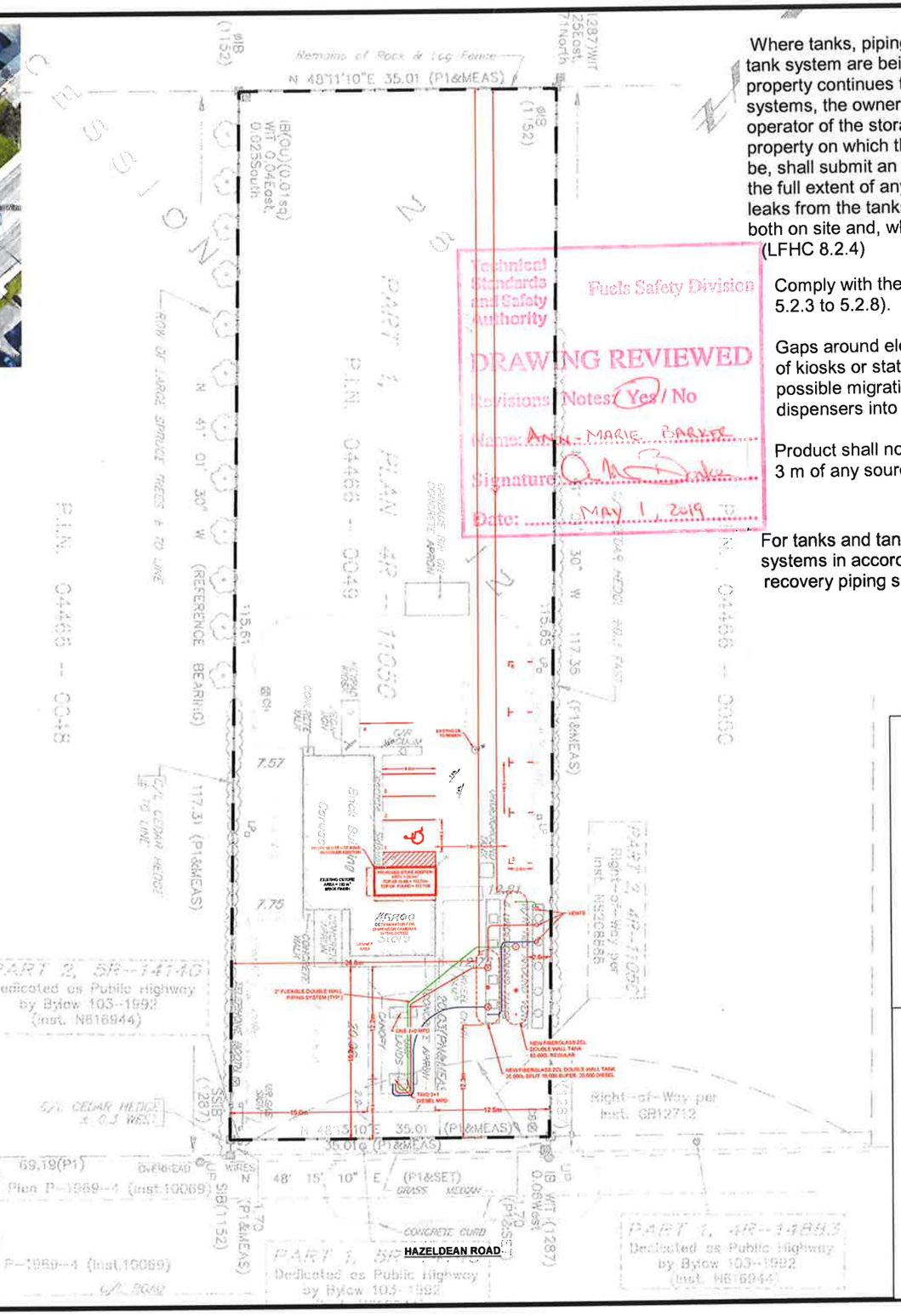
Email : abarker@tssa.org



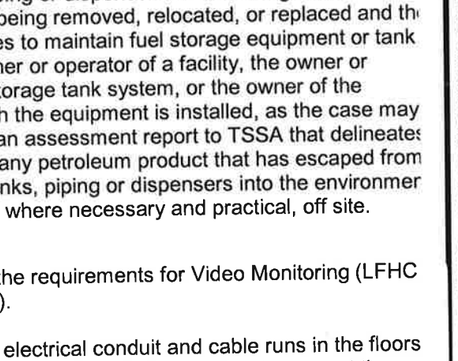
Where tanks, piping or dispensers of an underground tank system are being removed, relocated, or replaced and the property continues to maintain fuel storage equipment or tank systems, the owner or operator of a facility, the owner or operator of the storage tank system, or the owner of the property on which the equipment is installed, as the case may be, shall submit an assessment report to TSSA that delineates the full extent of any petroleum product that has escaped from leaks from the tanks, piping or dispensers into the environment both on site and, where necessary and practical, off site. (LFHC 8.2.4)

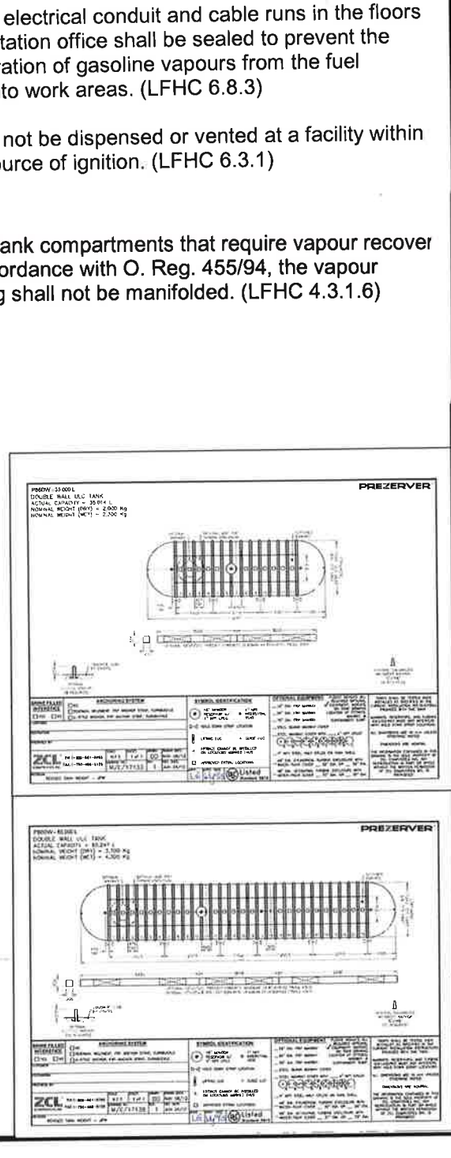
Comply with the requirements for Video Monitoring (LFHC 5.2.3 to 5.2.8).

Gaps around electrical conduit and cable runs in the floors of kiosks or station office shall be sealed to prevent the possible migration of gasoline vapours from the fuel dispensers into work areas. (LFHC 6.8.3)

Product shall not be dispensed or vented at a facility within 3 m of any source of ignition. (LFHC 6.3.1)

For tanks and tank compartments that require vapour recovery systems in accordance with O. Reg. 455/94, the vapour recovery piping shall not be manifolded. (LFHC 4.3.1.6)





No.	REVISIONS	BY	DATE
01	ISSUED FOR TSSA	D.M.	12 FEB 2019

NOT AUTHENTIC UNLESS SIGNED AND DATED

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

CLIENT
MR. GAS LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
P.P.	M.L.	J.C.L.

PROJECT
STORE ADDITION
5899 HAZELDEAN RD
STITTSVILLE, ON

DRAWING TITLE
TSSA APPLICATION

PROJECT NO.
180651

DATE
OCTOBER 2018

C202

345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

October 13, 2020

Ms. Lilliane Levac
BCP IV Service Station LP O/A BG Fuels
140 Allstate Parkway
Markham, Ontario
L3R 5Y8

Fuel Storage Tank Removal – 5899 Hazeldean Road, Stittsville, Ontario
TSSA Service Request Number: 2699830

Dear Ms. Levac:

Thank you for submitting the report entitled, *"Petroleum Hydrocarbon Contamination Delineation – Mr. Gas Gasoline Service Station, 5899 Hazeldean Road, Stittsville, Ontario",* prepared by LRL Associates Ltd. (LRL), dated June 5, 2020. The report has been submitted to Technical Standards and Safety Authority (TSSA) in response to our letter dated November 4, 2019 associated with additional delineation requirement as per the TSSA Environmental Management Protocol (EMP).

The report provides the following information:

LRL selected the Ministry of the Environment, Conservation and Parks (MECP) Table 3 Site Condition Standards (SCS) for in a non-potable groundwater condition for industrial/commercial/community property use and coarse textured soil as being applicable for the site.

- Four (4) boreholes (BH19-1 to BH19-4) were advanced onsite in the vicinity of the former tank nest and the pump island area on October 7, 2019. The boreholes were advanced to depths ranging from 2.90 metres below ground surface (mbgs) to 3.56 mbgs. Three (3) boreholes were completed as monitoring wells MW19-2, MW19-3 and MW19-4.

- Combustible soil vapour concentrations measured in the soil samples ranged from less than 0.1 parts per million (ppm) to 0.70 ppm.

- Five (5) soil samples (at least one from each borehole) were submitted to Paracel Laboratories Ltd. (Paracel), an accredited laboratory by the Canadian Association for Laboratory Accreditation Inc. (CALA). The soil samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, xylenes (BTEX), lead and petroleum hydrocarbon fractions F1 to F4 (PHC F1-F4). In addition, two soil samples were analyzed for volatile organic compounds (VOCs).

- The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters.

- Three newly installed monitoring wells (MW19-2, MW19-3 and MW19-4) were monitored on October 10, 2019 and April 7, 2020. The monitoring wells were reported to be dry during the October 2019 monitoring event. During the April 2020 monitoring event, the depth to groundwater measured in the monitoring wells ranged from 1.38 mbgs (in MW19-2) to 1.88 mbgs (in MW19-4). The inferred groundwater flow direction was reported by LRL to be to the south to southwest.

- Headspace vapour readings measured in the monitoring wells ranged from less than 8 ppm to 46.6 ppm. Liquid petroleum hydrocarbon (LPH) was not detected in any monitoring wells.

- On April 7, 2020, groundwater samples were collected from three on-site monitoring wells (MW19-2, MW19-3 and MW19-4). In addition, one existing monitoring well OW1 was also sampled during this sampling event. The groundwater samples were submitted for the laboratory analysis of VOCs

including BTEX and PHC F1-F4. The analytical results of the submitted groundwater samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters.

- LRL reports that vertical delineation of soil impacts to the depths of the former UST was not possible due to auger refusal at 3,6 mbgs or less at the locations of the boreholes/monitoring wells.
- LRL concludes that approximately 290 m^3 of petroleum impacted soils remain at the site.
- LRL recommends that additional groundwater monitoring of all available wells be conducted in the fall to confirm the groundwater quality at the site.

Our review of the information available to date indicates that petroleum hydrocarbon impacts have been identified at the site and have not been completely delineated to the south and east of the tank nest excavation. Based on the information provided to date and as per the TSSA's *Environment Management Protocol for Fuel Handling Site in Ontario*, we offer the following:

- The identified impacts in soil and groundwater must be completely delineated, both on-site and where practical, off-site. Consideration must be given completing this work beyond the utilities, and overhead utilities and other impediments. In addition, the previously installed monitoring well MW-3 must be replaced/reinstated.
- Following the complete delineation, TSSA requires the submission of a Contaminant Management Plan (CMP) if remedial work is not carried out to remove the impacted soil and groundwater.
- As the potentially affected property owners, the private property owner to the east must be made aware of the environmental condition of the site along the east property boundary.

Please submit action plan to this office by December 16, 2020 for completion of this work.

Should you have any further questions, please do not hesitate to contact me directly. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Farzana Islam

Farzana Islam, P. Eng.
Fuels Safety Program
Tel.: 416.734.3598
Fax: 416.231.7525
Email: fislam@tssa.org

Cc:
Gilles Guindon – MGL Properties Ltd (via email)

Ottawa

File Number ZIL-2019-0083

Jan. 04, 2019

BCP IV Service Station LP
1420 Youville Drive ✓
Orleans, ON. K1C 7B3

Attn: llevac@mgrasltd.ca

Re: 5899 Hazeldean rd., Ottawa
Receipt Number: 00067-2019

This will acknowledge receipt of your letter of January 4th, 2019, and payment of $188.00, requesting confirmation that a Propane Exchange Facility is a permitted use at the above noted address.

Please be advised that this property is presently subject to the provisions of the City of Ottawa Consolidated Zoning By-Law 2008-250, as amended, in a zone designated AM9 (Arterial Main subzone 9)). The purpose of zone is to,

1. accommodate a broad range of uses including retail, service commercial, offices, residential and institutional uses in mixed-use buildings or side by side in separate buildings in areas designated ***Arterial Mainstreet*** in the Official Plan; and

2. impose development standards that will promote intensification while ensuring that they are compatible with the surrounding uses.

A propane exchange and transfer facility as an accessory use to the existing retail store and is **permitted** on this property, subject to the provisions of Section 66 of the Zoning By-law (Provisions for the Handling and Transfer of Propane and Natural Gas).

Shaping our future together
Ensemble, formons notre avenir

City Of Ottawa
Building Code Services Branch
110 Laurier Ave. W.
Ottawa, ON K1P 1J1
Tel. : 613-580-2424 ext.: 29674
Fax: 613-580-2494
Ryan.rutherford@ottawa.ca

Ville d'Ottawa
Direction des services du code du bâtiment
110, av. Laurier O.
Ottawa (Ontario) K1P 1J1
Tél. : 613-580-2424 poste: 29674
Télécopieur: 613-580-2494
Ryan.rutherford@ottawa.ca

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 #	**1259094**
Inspection Report #	**4673193**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **NOV 12, 2013**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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: MR GAS LIMITED **

Line	Reference and Order(s)	Compliance Date
67715 6-1	Liquid Fuels Handling Code 2007. 4.6.9 (Admended by Liquid Fuels Handling Code Adoption Document FS-109-07) The equipment required by Clause 4.6.5 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. verify yearly test is complete done Oct 16, 2013 by Bob Laferriere see attached work order.	DEC 31, 2013

Task Notes

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON NOV 12 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.
This inspector has no control over billing.

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ON SITE FOR REGULAR AUDIT. ALL SUMP SENSORS INSTALLED TESTED BY INSPECTOR AND WORKING. ALL FIRE EQUIPMENT AND SIGNAGE IN PLACE AND UP TO DATE. SITE HAS SYSTEM MONITOR TANKS. STAFF TRAINED AND SIGNED OFF. 1 INSTRUCTION ISSUED TO VERIFY TEST.

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.

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: E-MAIL AND ATTENDANT	**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.
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Putting Public Safety First

TECHNICAL STANDARDS and SAFETY AUTHORITY

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FS Inspection Report

Service Request #	**1259094**
Inspection Report #	**4673193**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **NOV 12, 2013**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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.	

Declaration of Compliance

I, the undersigned hereby declare that all orders on this Inspection Report have been complied with.

Printed Name Lilianne Levac

Title Adm Asst

Signature Lilianne Levac Date NOV 12/13

Contact Email Address llevac@mrgas ltd.ca Contact Phone Number 613-824-6772 ext 221

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 (416-231-5435) complete with the following information
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 contact TSSA at 416-734-3599 or email dcreporting@tssa.org

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: E-MAIL AND ATTENDANT	**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.
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MR. GAS LIMITED

Work order #

Date 2013/10/16

SERVICE/MAINTENANCE WORK ORDER

S/S # 04 stittsville

WORK TO BE DONE

SUBMERSIBLE PIT CLEAN UP 7 SMP!
TEST SENSORS IT SMP!
CHECK FILL BOXES ?
CHECK RECUPERATION BOX UNDER DISPENSERS!
TEST SENSORS!
RAINY DAY HAD TO SET TARPS TO WORK IN SMP.

WORK DONE

Date: 2013/10/16 (YYYY/MM/DD) Time In: 645AM Time Out: 330PM

OPEN LARGE SMP COVERS CLEAN ANGLE FRAMES.
REMOVE PRODUCT FROM (7) SMP APPROX 40 L OF PRODUCT.
TESTED SENSORS. LUBRICATE SENSORS AND SUBMERSIBLE HEADS AND FITTINGS.

CHECK AND CLEAN FILL BOXES REMOVE PRODUCT

CHECK RECUPERATION BOXES UNDER DISPENSERS TESTED AND LUBRICATE SENSORS.

JOB COMPLETED.

PARTS USED

Qty	Description	Part #	Make	Model#	Serial#	Cost

8.45 HRS

TOTAL PARTS COST

S/S OPERATOR

MAINTENANCE TECHNICIAN

INVOICE

Alf's PUMP SERVICE
Established 1960

P.O. BOX 5352, STN. F
Ottawa, Ontario
K2C 3J1
(613) 226-8584

Mr Gas
1-1420 Youville Drive
Orleans Ontario
K1C 7B3

DATE:
May 23, 2013
OUR INVOICE NO.
68380
ORDER NO.
-

HST No. R122947880
QST #: 1013465751TQ0001

Terms: Net 15 Days -- 2% Per Month Charges on Overdue Accounts. PST included (Consumable Material)

WORK REQUIRED:

May 09, 2013 Job Location Mr. Gas Stittsville Kanata Ontario

Perform cathodic protection on tanks results as follows: Diesel fill pipe 352 fill end 869 centre 1053 end 1057. Super fill pipe 348 fill end 1001 center 1173 end 1138. Diesel fill pipe 338 fill end 1044 centre 1175 end 1177. Regular fill pipe 370 fill end 962 centre 1090 end 1057. Regular fill pipe 386 fill end 1081 centre 1102 end 1201. Regular fill pipe 432 fill end 1098 centre 1092 end 1153. Regular fill pipe 537 fill end 1089 centre 1147 end 1194.

MATERIALS USED:

WARRANTIES ON ALL ITEMS ARE LIMITED TO THOSE OFFERED BY THE ORIGINAL MANUFACTUER (DEFECTIVE PARTS DO NOT INCLUDE LABOUR)
ALF'S PUMP SERVICE MAINTAINS TITLE TO THE GOODS AND SERVICES PROVIDED UNTIL THIS INVOICE HAS BEEN PAID IN FULL.
Total Maximum annual Interest is 24% (2% Per Month)

Cathodic Protection Testing	$ 325.00

Sub Total	$ 325.00
GST R122947880	42.25
QST 122947880 RP 0001	00.00
	$ 367.25

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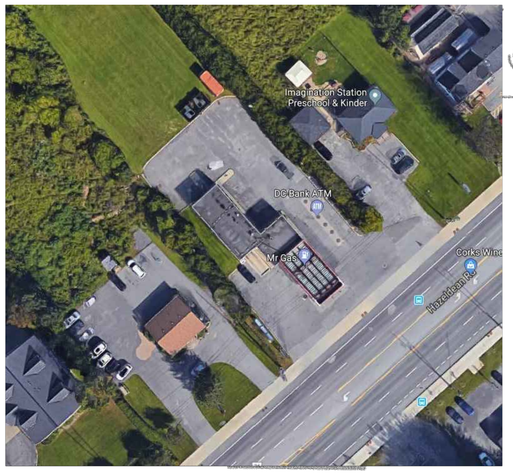

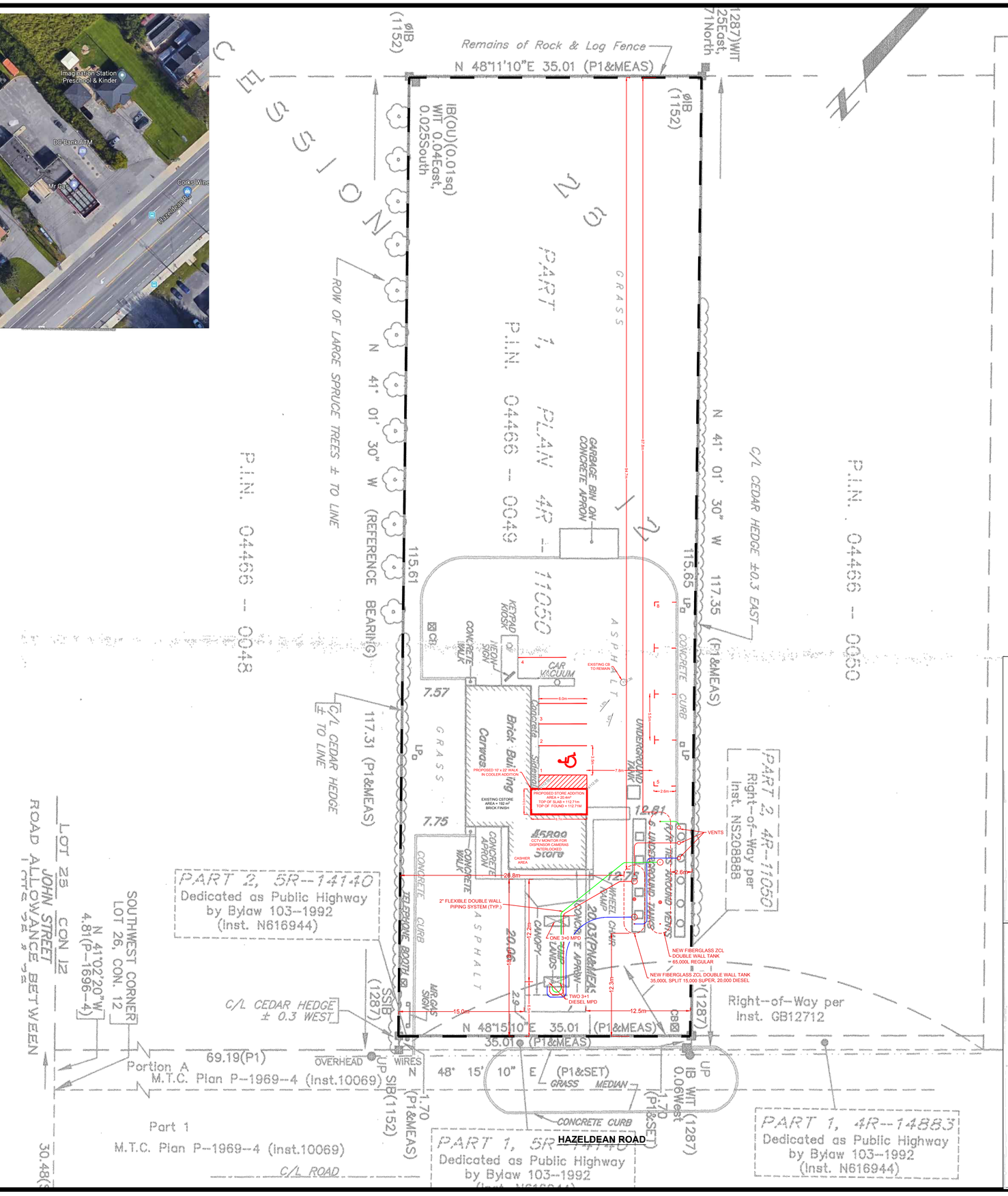

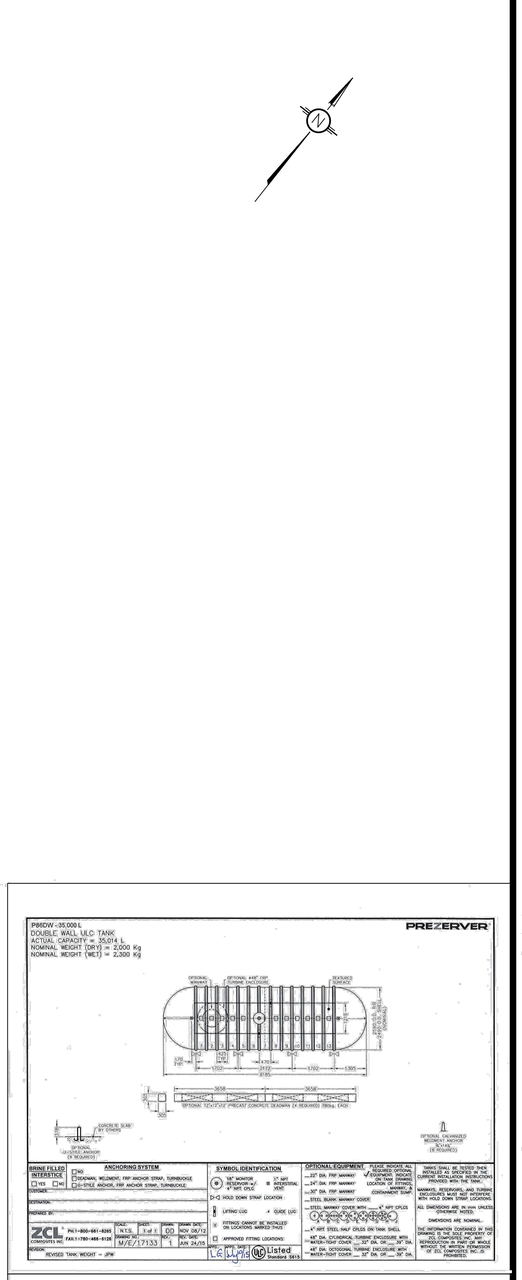

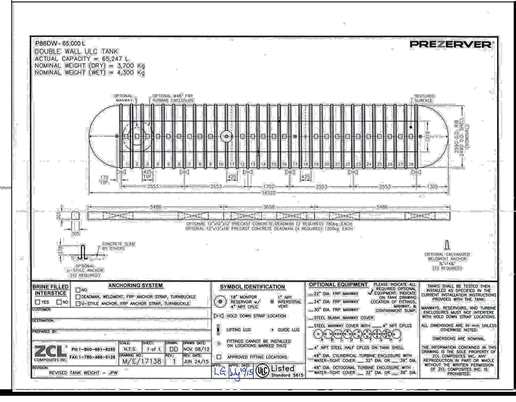

USE AND INTERPRETATION OF DRAWINGS

GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION ARE PART OF THE CONTRACT DOCUMENTS AND DESCRIBE USE AND INTENT OF THE DRAWING. THE CONTRACT DOCUMENTS INCLUDE NOT ONLY THE DRAWINGS, BUT ALSO THE OWNER-CONTRACTOR AGREEMENTS, CONDITIONS OF THE CONTRACT, THE SPECIFICATIONS, ADDENDA, AND MODIFICATIONS ISSUED AFTER EXECUTION OF THE CONTRACT. THESE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ANY ONE SHALL BE BINDING AS IF REQUIRED BY ALL. WORK NOT COMPLETELY DELINEATED HEREON SHALL BE CONSTRUCTED OF THE SAME MATERIALS AND DETAILED SIMILARLY AS WORK SHOWN MORE COMPLETELY ELSEWHERE IN THE CONTRACT DOCUMENTS.

BY USE OF THE DRAWINGS FOR CONSTRUCTION OF THE PROJECT, THE OWNER CONFIRMS THAT HE HAS REVIEWED AND APPROVED THE DRAWINGS. THE CONTRACTOR CONFIRMS THAT HE HAS VISITED THE SITE, FAMILIARIZED HIMSELF WITH THE LOCAL CONDITIONS, VERIFIED FIELD DIMENSIONS AND CORRELATED HIS OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

AS INSTRUMENTS OF SERVICE, ALL DRAWINGS, SPECIFICATIONS, CADD FILES OR OTHER ELECTRONIC MEDIA AND COPIED THERE OF FURNISHED BY THE ENGINEER ARE HIS PROPERTY. THEY ARE TO BE USED ONLY FOR THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT, INCLUDING REPEATS OF THE PROJECT. CHANGES TO THE DRAWINGS MAY ONLY BE MADE BY THE ENGINEER.

UNLESS THE REVISION TITLE IS "ISSUED FOR CONSTRUCTION", THESE DRAWINGS SHALL BE CONSIDERED PRELIMINARY AND SHALL NOT BE USED AS A CONSTRUCTION DOCUMENT.

THESE DRAWINGS ILLUSTRATES THE WORK TO BE DONE. THE ENGINEER IS NOT RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES USED TO DO THE WORK, OR THE SAFETY ASPECTS OF CONSTRUCTION, AND NOTHING ON THESE DRAWINGS EXPRESSED OR IMPLIED CHANGES THIS CONDITION. CONTRACTOR SHALL DETERMINE ALL CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR KNOWING HOW THEY AFFECT THE WORK. SUBMITTAL OF A BID TO PERFORM THIS WORK IS ACKNOWLEDGEMENT OF THE RESPONSIBILITIES, AND THAT THEY HAVE BEEN FULLY CONSIDERED IN PLANNING OF THE WORK, AND THE BID PRICE. NO CLAIMS FOR EXTRA CHARGES DUE TO THESE CONDITIONS WILL BE FORTHCOMING.

UNAUTHORIZED CHANGES:

IN THE EVENT THE CLIENT, THE CLIENT'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE CLIENT IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO ANY REPORTS, PLANS, SPECIFICATIONS OR OTHER CONSTRUCTION DOCUMENTS PREPARED BY LRL ASSOCIATES LTD. (LRL) WITHOUT OBTAINING LRL'S PRIOR WRITTEN CONSENT, THE CLIENT SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE CLIENT AGREES TO WAIVE ANY CLAIM AGAINST LRL AND TO RELEASE LRL FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH UNAUTHORIZED CHANGES.

IN ADDITION, THE CLIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS LRL FROM ANY DAMAGES, LIABILITIES OR COST, INCLUDING REASONABLE ATTORNEY'S FEES AND COST OF DEFENSE, ARISING FROM SUCH CHANGES.

IN ADDITION, THE CLIENT AGREES TO INCLUDE IN ANY CONTRACTS FOR CONSTRUCTION APPROPRIATE LANGUAGE THAT PROHIBITS THE CONTRACTOR OR ANY SUBCONTRACTORS OF ANY TIER FROM MAKING ANY CHANGES OR MODIFICATIONS TO LRL'S CONSTRUCTION DOCUMENTS WITHOUT THE PRIOR WRITTEN APPROVAL OF LRL AND THAT FURTHER REQUIRES THE CONTRACTOR TO INDEMNIFY BOTH LRL AND THE CLIENT FROM ANY LIABILITY OR COST ARISING FROM SUCH CHANGES MADE WITHOUT SUCH PROPER AUTHORIZATION.

GENERAL NOTES:

EXISTING SERVICES AND UTILITIES SHOWN ON THESE DRAWINGS ARE TAKEN FROM THE BEST AVAILABLE RECORDS, BUT MAY NOT BE COMPLETE OR TO DATE. CONTRACTOR SHALL VERIFY IN FIELD FOR LOCATION AND ELEVATION OF PIPES AND CHECK WITH THE UTILITY COMPANIES BEFORE DIGGING OR PERFORMING WORK.

CONTRACTOR IS ADVISED TO COLLECT INFORMATION ON SOIL CONDITIONS BEFORE START OF CONSTRUCTION.

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND THE DESIGN INTENT THEY CONVEY, OR FOR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE ENGINEER'S GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE WORK COMMENCES. DO NOT SCALE DRAWINGS.

5m 0 5 10m

SCALE: 1:250

No.	REVISIONS	BY	DATE
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LRL
ENGINEERING | INGÉNIERIE
5430 Canotek Road | Ottawa, ON, K1J 9G2
www.lrl.ca | (613) 842-3434

CLIENT

MR. GAS LTD.

DESIGNED BY:	DRAWN BY:	APPROVED BY:
P.P.	M.L.	J.C.L.

PROJECT

STORE ADDITION
5899 HAZELDEAN RD
STITTSVILLE, ON

DRAWING TITLE

TSSA APPLICATION

PROJECT NO.
180651

DATE
OCTOBER 2018

C202

August 19, 2019

Our File Ref.: 130619

Mr. Gas Ltd.
1-1420 Youville Drive
Orleans, Ontario; K1C 7B3

Attention: Gilles Guindon, Owner

Subject: Underground Storage Tank Removal & Environmental Site Remediation Verification Soil Sampling
Mr. Gas Ltd., 5899 Hazeldean Road, Stittsville, Ontario

Dear Mr. Guindon,

LRL Associates Ltd. (LRL) was retained to observe the removal of the petroleum installations and establish current environmental conditions in support of the redevelopment activities at the gasoline service station at 5899 Hazeldean Road in Stittsville, Ontario (herein referred to as the "Site"). Work was carried out to establish if the fuel installations have negatively impacted subsurface soil and groundwater conditions.

Based on our observations and results of sampling and laboratory analysis there is evidence of petroleum hydrocarbons in select soil samples collected. Concentrations are generally below the applicable provincial standards. Groundwater was encountered at the time of the excavation activities with levels exceeding the applicable site condition standards. The following report will present the results of the site activities carried out between May 22 and June 5, 2019.

1. SCOPE OF WORK

This assessment was conducted in general accordance with Technical Standards and Safety Authority's (TSSA) *Environmental Management Protocol for Fuel Handling Sites in Ontario*, *August 2012* (formerly GA1/99). LRL's scope of work for this project was as follows:

- Observe the removal of the petroleum installations and associated structures to visually assess the conditions of the underground storage tanks (USTs) and associated piping upon removal, inspect surrounding soils and groundwater, collect soil samples from the excavation limits and collect groundwater samples, if encountered;
- Screen soil samples for combustible soil vapours (CSV) using a photoionization detector (PID), as well as visual and olfactory evidence of contamination in order to identify worst-case soil samples for laboratory analysis;
- Submit soil and groundwater samples for chemical analysis of the contaminants of concern, namely, petroleum hydrocarbon compounds (PHC) fractions F1-F4, benzene,

toluene, ethylbenzene and xylenes (BTEX), volatile organic compounds (VOC) (select locations) and lead (select locations);

- Assess subsurface conditions with respect to the contaminants of concern in accordance with the applicable provincial site condition standards (SCS); and
- Prepare a reporting letter detailing Site activities and findings.

The following report will present results of Site activities carried out between May 22 and June 5, 2019.

2. SITE DESCRIPTION

The Site under investigation is a Mr. Gas Ltd. fuel service station located at 5899 Hazeldean Road, Stittsville, Ontario, and is presented in **Figure 1**. This property is developed as a gasoline service station with a single-storey convenience store with an attached car wash, which together have an approximate footprint area of 195 m^2. A canopy, which shelters the pump island, has an approximate footprint area of 110 m^2.

Topography of the Site is general flat with a rectangular shape having approximate dimensions of 115 m wide (north-south) by 35 m deep (east-west), for an approximate area of 4 020 m^2 (approximately 1 acre). The Site is serviced by municipal water and sewage.

The neighbouring land use includes residential properties to the north and commercial/mixed use to the east, west and south.

Seven (7) steel-walled petroleum USTs were located in the tank nest on the southeastern portion of the Site prior to their removal on May 22 and May 23, 2019. One (1) tank had a capacity of 35 000 L and contained regular gasoline. The other six (6) tanks each had a capacity of 13 600 L; three (3) contained regular grade gasoline, two (2) diesel, and one (1) super grade gasoline. The tanks were installed in 1991 and were twenty-eight years old when they were removed. The Site was equipped with pump islands with dispensing equipment and an overhead canopy structure in the south-central portion. The pump islands and associated concrete apron were removed prior to LRL arriving on-Site, however the canopy remained in place. Locations of these features are presented in **Figure 2**.

3. APPLICABLE GUIDELINE CRITERIA

SCSs are set out in the MECP's '*Soil, Ground Water and Sediment Standards for Use Under Part IV.1 of the Environmental Protection Act'*, *April 15, 2011*. The applicable SCS used was the Table 3: Full Depth Generic SCSs in a non-potable groundwater condition, commercial property use and coarse-textured soils for the following reasons:

- The Site and the surrounding properties within 100 m are serviced by municipal water;
- The Site use is commercial;
- Based on laboratory analysis the subsurface soil conditions are considered coarse-grained (Section 6.11); and
- The Site is not considered environmentally sensitive (i.e. presence of less than 2 m of overburden overlying the bedrock, a water body is on or within 30 m of the site, or the Site is within an area of natural significance).

4. PREVIOUS ENVIRONMENTAL INVESTIGATION

LRL Associates Ltd. (LRL) completed an intrusive investigation at 5899 Hazeldean Road, Stittsville, Ontario, in September 2013. The investigation was conducted to determine the magnitude and extent of subsurface petroleum hydrocarbon impacts at the Site associated with the activities of the gasoline service station. No report was prepared for the investigation.

The investigation included the advancement of six (6) auger holes at strategic locations surrounding the UST nest location toward the southern portion of the Site. They were advanced to a depth of between 2.7 m and 4.1 m below ground surface (bgs). Three (3) of the auger holes were completed as monitoring wells, which were used to collect groundwater samples representative of Site conditions. The borehole logs are included in **Appendix B**.

Soil samples collected were submitted for the analysis of PHC fractions F1-F4, and BTEX. The analysis of soil samples submitted revealed the detection of PHC F2, ethylbenzene and xylenes, though levels were below the applicable SCSs, toward the south of the UST nest location. A groundwater sample was collected from a monitoring well to the north of the UST nest and was also submitted for PHC fractions F1-F4 and BTEX. The analytical results of the sample revealed detections of benzene, ethylbenzene, toluene, and xylenes, also at levels below the applicable SCSs.

5. FIELDWORK

5.1 Observations

The petroleum USTs were removed by Triangle Pump Service Ltd. on May 22 and 23, 2019. LRL was present to witness the removal of the petroleum installations. LRL observed the condition of the tanks which appeared to be in good condition with no evidence of corrosion or perforations.

The excavation activities commenced at the northern portion of the tank nest continued south toward Hazeldean Road. Final dimensions of the tank nest excavation were 22.2 m long (north-south) by 9.2 m wide (east-west) at the thinnest portion, and 10.7 m wide at the widest portion. The excavation was dug to a depth of 3.4 m bgs toward the northern portion and 4.0 m bgs toward the southern portion, at which point bedrock was reached. A portion of the excavation (the northwestern-most corner) was dug as a test pit to 2.4 m bgs to allow access to a previously inaccessible corner of the excavation. The excavation was extended until either no visual or olfactory evidence of petroleum hydrocarbon impacts were observed, or the excavation reached property lines or structures, where the integrities of which could not be compromised. A total of approximately 1,268 metric tonnes of soil was removed from the Site and disposed of at Waste Connections of Canada Inc. (Navan, Ontario), an MECP-licensed soil disposal facility. The location of the excavation and its dimensions are presented in the attached **Figure 3** and **Figure 4**.

The subsurface materials encountered generally consisted of a 0.3 m layer of gravel, followed by a layer of topsoil to a depth of approximately 1.0 m bgs, underlain with till. Petroleum-impacted groundwater was encountered in the northern and central extents of the excavation at a depth of approximately 2.7 m bgs; sheen and dark colour were observed in the groundwater encountered.

Fuel dispensing pumps and associated pump island were removed prior to LRL's arrival to the Site allowing for samples to be collected along trenches dug beneath the former pump and piping locations. The location of the excavation and its dimensions are presented in the attached **Figure 3** and **Figure 5**.

5.2 Sample Collection and Screening

5.2.1 Groundwater

One (1) groundwater sample was obtained from an existing monitoring well (see Section 4 above), which was instrumented with dedicated LDPE tubing to facilitate well purging and sampling requirements. The well was purged of three well volumes using dedicated LDPE tubing and foot valve. Purged water was observed for colour, sheen or odour. Using LDPE tubing, groundwater was transferred into laboratory-supplied water sample bottles. Samples were logged, labelled and stored on site in a cooler pre-chilled to below 10°C with ice.

5.2.2 Soil

Verification samples were collected from the sidewalls and base of the tank nest excavation as well as from trenches dug beneath the former pump island. The samples were transferred immediately into sealed glass jars and polyethylene freezer bags. The samples were examined for soil type, colour, staining/discolouration and odours. They were logged, labelled and stored on Site on ice in a cooler to maintain a temperature below 10°C to minimize evaporation of potential CSVs. The samples stored in bags were screened for the presence of CSVs using a MiniRae3000 Photoionization Detector. Sample locations and CSV readings are shown in the attached **Figure 4** and **Figure 5**. The samples were stored onsite on ice in a cooler to maintain a temperature below 10°C until delivery to a laboratory. Stockpile soil samples were collected, screened for the presence of CSVs and submitted for analysis to confirm the soil's suitability as backfill material.

During the excavation activities, olfactory and visual evidence (dark staining or discoloration) of petroleum hydrocarbon impacts was encountered with the strongest olfactory and visual evidence of impacts detected within the southern portion of the tank nest excavation. These soils were removed until olfactory and visual evidence of impacts (staining and odours) were not observed and CSV readings were below 20 ppm, or until no further removal was possible due to property line infringement or threat to structural integrity of the pump island canopy. Given these restrictions to the excavation limits, olfactory and visual evidence of petroleum hydrocarbon impacts remain in soils on the Site.

5.3 Laboratory Analysis

Sample number and location submitted for laboratory analysis were selected based on Table 4.1.A of *Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario, August 2012*. Samples submitted were based on floor areas of the UST nest excavation (approximately 220 m^2) and the pump island excavation (approximately 50 m^2) and are as follows:

- Eleven (11) and eight (8) sidewall samples, respectively;
- Four (4) and two (2) floor samples, respectively;
- Five (5) stock pile samples; and
- Three (3) groundwater samples, one (1) of which was collected from a nearby monitoring well prior to its destruction, and two (2) of which were grab samples collected from the UST nest excavation.

Samples submitted were considered worst-case based on field observations and CSV screening and are considered representative of walls and base of the excavation. Floor samples were limited for collection as most of the excavation extended to bedrock, therefore additional sidewall samples were submitted.

Soil and groundwater samples were submitted to Paracel Laboratories Ltd. for analysis of petroleum-based parameters: volatile organic compounds (VOC), namely benzene, toluene, ethylbenzene and xylenes (BTEX) for select samples, petroleum hydrocarbon compounds (PHC) fractions F1-F4, and lead (soil samples only).

Laboratory Certificates of Analysis are attached in **Appendix A**. All remaining samples not analyzed will be kept in storage for one (1) month following submission of this report, at which time they shall be disposed of unless a written or verbal notice is received, stating otherwise.

3.3.1 Leachate Analysis

As per the Waste Classification Protocols outlined in O. Reg. 558/00 Toxicity Classification Leaching Procedure (TCLP), composite soil samples collected during the Phase ll ESA activities on September 5, 2013, were submitted to Paracel Laboratories Ltd. (Ottawa, Ontario) for a leachate analysis. Analytical results for the submitted soil sample and standards of Schedule 4 of O. Reg. 558/00. Based on analytical results, the excavated soil is classified as non-hazardous waste for off-site disposal purposes. Laboratory results are attached in **Appendix A.**

6. DATA INTERPRETATION AND ASSESSMENT

6.1 Soil

6.1.1 Soil Texture

In previous environmental investigations, native subsurface soil was observed to consist mainly of till. Soil samples collected on September 5, 2013, were submitted for a grain size distribution analysis. Soil texture was reported as coarse-grained. The laboratory Certificate of Analysis are included in **Appendix A.**

6.1.2 Stockpile Soil

Five (5) samples (SS1, SS3, SS4, SS5 and 4) collected from the stockpiled material were submitted for laboratory analysis of PHC, VOC, and lead based on field observations and CSV measurements. The stockpiled material consisted mainly of sand fill. The analytical results are included in **Table 4** along with the applicable provincial Table 3 SCSs. The laboratory results indicate that the stockpiled soil from which samples SS1, SS3, SS4 and SS5 were taken is suitable for reuse as backfill material. However, sample No. 4 was taken from a separate stockpile, which was used to shore the sidewall of the excavation, and this stockpile was later found to be impacted. Following infilling with this material, it was not possible to remove the contaminated backfill due an obstruction by the newly installed petroleum USTs.

6.1.3 Verification Soil Samples

6.1.3.1 Excavation No.1: Tank Nest

Fifteen (15) of the fourty-six soil verification samples collected from Excavation No.1 (sample Nos. 1 to 3, 11 to 26, 28, 29, 32 to 35, 38 to 41, 52 to 63 and 65 to 68) were submitted for chemical analysis. The samples submitted were considered worst-case based on field observations and CSV measurements and are considered representative of the walls and base of the excavation. The results are included in **Table 1**, along with the applicable Table 3 SCSs. The results of the samples were not detected or detected at concentrations below the applicable SCS. The exception to this is Sample No. 56 (southern sidewall of the tank nest excavation at 1.3 m bgs), where PHC F1 was reported as 124 µg/g, above the Table 3 SCS of 69 µg/g.

In addition, patches of soil with visual and olfactory evidence of PHC impacts were observed along the eastern and western walls of the tank nest excavation. However, there were limitations to removing these patches of soil due to property line infringement and threat to the structural integrity of the pump island canopy. These patches of soil are considered impacted.

6.1.3.2 Excavation No.2: Pump Island

Ten (10) of the fourty soil verification samples collected from Excavation No. 2 (sample Nos. 1 through 40) were submitted for chemical analysis. The samples submitted were considered worst-case based on field observations and CSV measurements and are considered representative of the walls and base of the excavation. The results are included in **Table 2**, along with the applicable provincial Table 3 SCS. The reported concentrations of the tested parameters (PHC F1-F4, BTEX (VOC in select samples) and lead (select samples)) for the submitted verification samples were below the applicable SCSs.

6.2 Groundwater

One (1) groundwater sample was collected from a monitoring well immediately south of Excavation #1 (MW3) on May 27, 2019, prior to the well's destruction by remediation efforts. Two (2) groundwater samples were also collected from the base of Excavation #1 on May 22 and May 23, 2019. It is possible that the grab sample results may be biased based on sediment content and volatilization due to exposure of the excavation water to the atmosphere. All three (3) samples were submitted for laboratory analysis of PHC F1-F4, BTEX or VOC, and lead. The results of the laboratory analysis are summarized in **Table 3**. Various parameters were detected above the applicable SCS in all three (3) samples as follows:

- The groundwater sample collected from monitoring well MW-3 (sample MW3) on May 27, 2019 exceeded the SCS for PHC F2 (169 µg/g; SCS 150 µg/g), PHC F3 (4 240 µg/g; SCS 500 µg/g) and PHC F4 (2 420 µg/g; SCS 500 µg/g). The May 27, 2019 groundwater sample (GW3) collected from the monitoring well.
- The water sample collected from the excavation on May 22, 2019 (sample No. GW1), exceeded the SCS for benzene (5 140 µg/g; SCS 44 µg/g), ethylbenzene (6 740 µg/g; SCS 2 300 µg/g), hexane (2 110 µg/g; SCS 51 µg/g), methyl tert-butyl ether (MTBE) (266 µg/g; SCS 190 µg/g), toluene (61 600 µg/g; SCS 18 000 µg/g), xylenes (74 700 µg/g; SCS 4 200 µg/g), PHC F1 (138 000 µg/g; SCS 750 µg/g), PHC F2 (8 160 µg/g; SCS 150 µg/g), and PHC F3 (1 800 µg/g; SCS 500 µg/g); and
- The water sample collected from the excavation on May 23, 2019 (sample No. GW2), exceeded the SCS for tetrachloroethylene (PCE) (18.4 µg/g; SCS 1.6 µg/g), PHC F2 (654 µg/g; SCS 150 µg/g), PHC F3 (2 530 µg/g; SCS 500 µg/g) and PHC F4 (836 µg/g; 500 µg/g).

7. CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this investigation petroleum hydrocarbons were detected above the applicable standards in select soil samples submitted from the UST nest excavation limits. The soil was removed to bedrock in the southern and the east-central portions of the excavation and the northern and west-central portions terminated in the overburden to approximately 3.4 m bgs. Based on the laboratory results, impacted soil remains on the south sidewall with a slight exceedance of PHC F1. Areas showing visual indications (staining) of impact were encountered in the southern portion of the east sidewall and the south end of the west sidewall. The soil in this area is considered to be impacted based on these indications. Further removal of contaminated

soil along these sidewalls was limited by the proximity of the eastern and southern property lines, as well as the proximity of the pump island canopy. Therefore, it is possible that impacted soil is present around the southern extent of the former tank nest in addition to the exceedance detected along the southern sidewall.

It is possible that impacted soil is also present along the northeastern wall and the central and southern portions of the west wall as confirmatory sampling was not permitted due to the proximity to property lines or pump island canopy structures.

There is evidence of petroleum hydrocarbon-impacted groundwater as a result of the former USTs and associated structures. The results of the water samples from excavation were above the SCSs for PHC F1-F3, BTEX, hexane, methyl tert-butyl ether (MTBE) and tetrachloroethane (PCE) in the May 22, 2019 sample, and PHC F2-F4 and PCE in the May 23, 2019 samples. The results of the monitoring well (MW3) were above the SCS for PHC F2-F4. It is recommended that if water is present, the UST nest wells be pumped on a monthly basis using a vacuum truck or a submersible pump and stored in an onsite container to be disposed of by a licenced contractor. Once the water appears to have improved, samples should be collected to determine if the levels of PHC's have subsided and are below the applicable standards.

Additional environmental work (contamination delineation) is recommended to establish the extents of the residual impacted soil and groundwater on the property and to confirm if the identified petroleum hydrocarbon impacts have migrated off-Site. This work would include the advancement of boreholes at strategic locations with select boreholes completed as monitoring well to facilitate the collection of groundwater samples in accordance with O. Reg 903. The proposed borehole/monitoring locations are shown in **Figure 6**. The results of the boreholes and monitoring wells would be used to confirm the potential impacts to the soil that may be contributing to the impacted groundwater and to allow for better hydrogeological interpretation and delineation of the impacted groundwater.

8. DISCLAIMER

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

Findings contained in this report are based on data and information collected during fieldwork conducted on the subject property by LRL Associates Ltd. Conclusions and recommendations are based solely on Site conditions encountered at the time of our fieldwork between May 22 and June 5, 2019, supplemented by historical information and data obtained as described in this report. No assurance is made regarding changes in conditions subsequent to the time of this investigation. If additional information is discovered or obtained, LRL Associates Ltd. should be requested to re-evaluate conclusions presented in this report and to provide amendments as required.

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

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

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

Yours truly,
LRL Associates Ltd.

Valerie Weisflock
Environmental Technician

Matthew Whitney, P.Eng.

LICENSED PROFESSIONAL ENGINEER
M. P. WHITNEY
100110298
2019/08/12
PROVINCE OF ONTARIO

Encl.
Figure 1: Site Location
Figure 2: Site Plan
Figure 3: Site Plan and Excavation Limits
Figure 4: Excavation Limits of Tank Nest and Verification Soil Sample Locations
Figure 5: Pump Island Excavation Limits and Verification Soil Sample Locations
Figure 6: Contamination Delineation – Proposed Monitoring Well & Borehole Locations
Table 1: Summary of Soil Analysis Results from UST Excavation (Excavation No. 1) – PHC, BTEX/VOC & Lead
Table 2: Summary of Soil Analysis Results from Pump Island Excavation (Excavation No. 2) – PHC, BTEX/VOC & Lead
Table 3: Summary of Groundwater VOC and PHC Analysis
Table 4: Summary of Stockpile Soil Analysis Results – PHC, VOC and Lead
Appendix A: Laboratory Certificates of Analysis
Appendix B: Phase II ESA Borehole Logs

W:\FILES 2013\130619\3-Reports\Report\2019.07.9.REPORTLETTER Site Decommissioning, 5899 Hazeldean Road, Stittsville.R1A.docx

FIGURES

LRL
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PROJECT

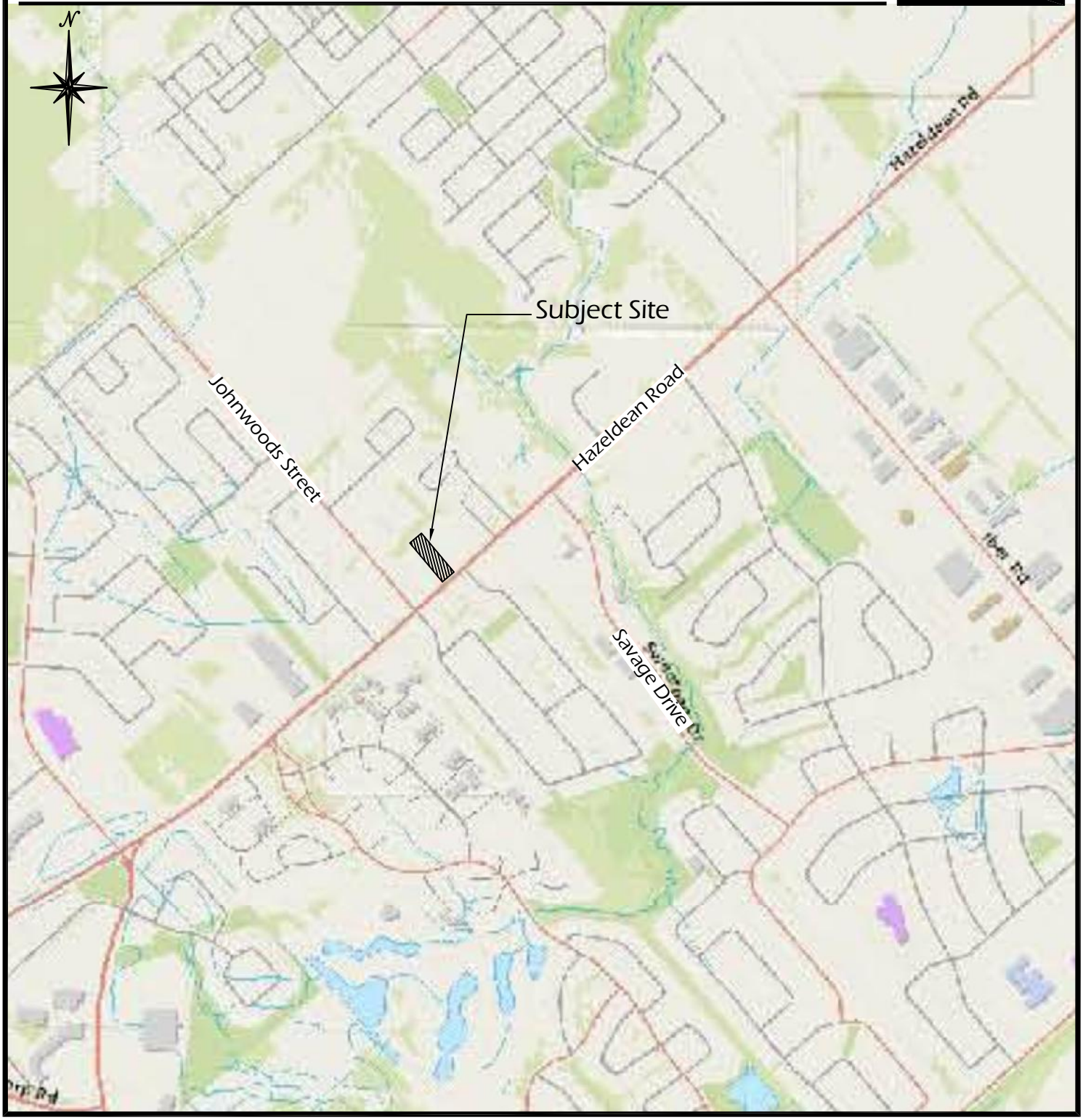
UNDERGROUND STORAGE TANK REMOVAL &
ENVIRONMENTAL SITE REMEDIATION
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

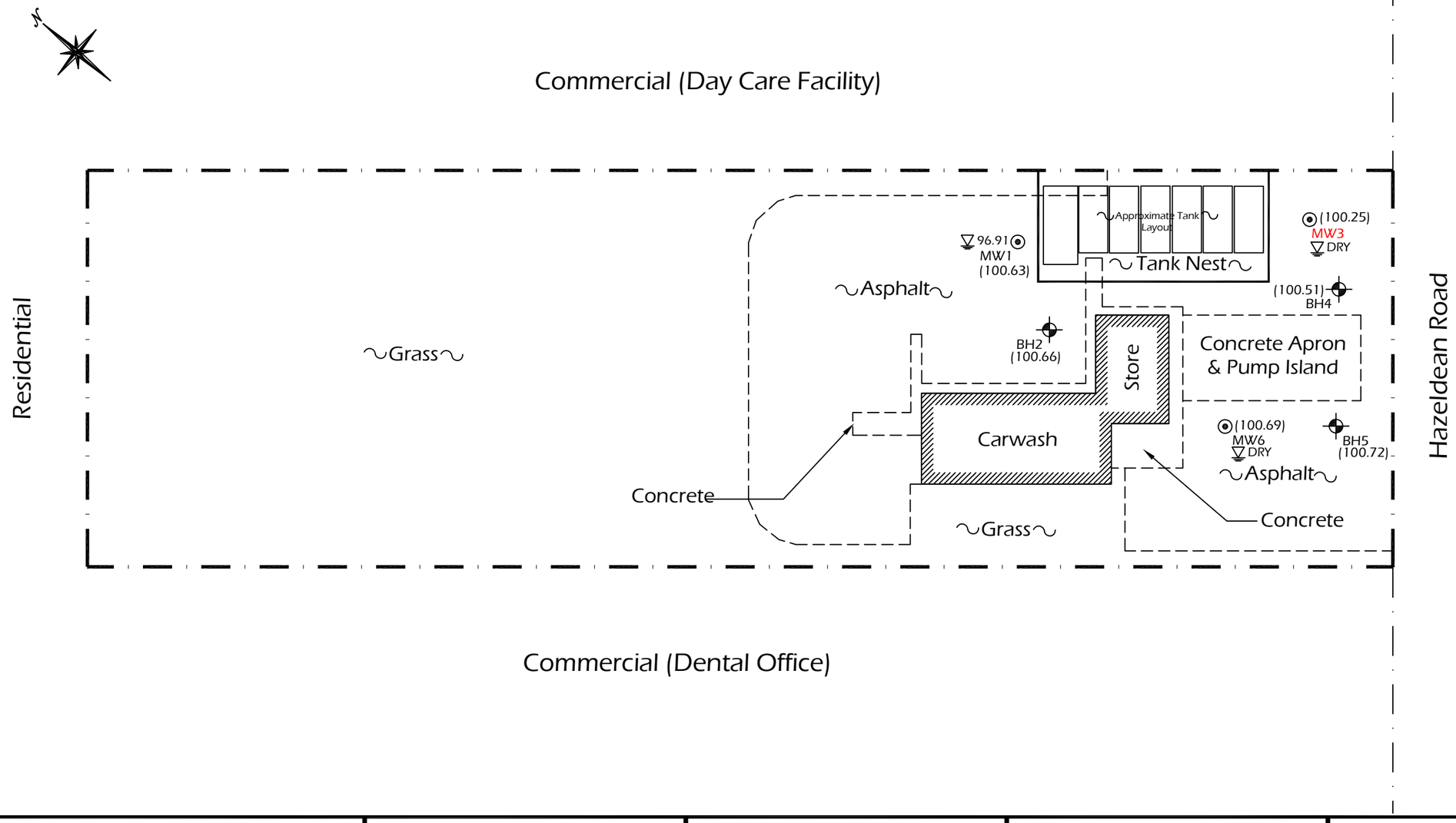
DRAWING TITLE

SITE LOCATION
SOURCE: City of Ottawa - GeoOttawa

CLIENT	DATE	PROJECT
MR. GAS LTD.	JULY 2019	130619

FIGURE 1





Legend

- Property line
- MW99 — Monitoring Well (2013)
- MW99 — Monitoring Well Destroyed by Excavation
- BH99 — Borehole (2013)
- Existing Building
- Division amongst surface material
- 99.99 — Groundwater Elevation (06-Sept-13)
- (99.99) — Groundsurface Elevation

5m 0 10 20m

SCALE: 1:400

No.	REVISIONS	BY	DATE
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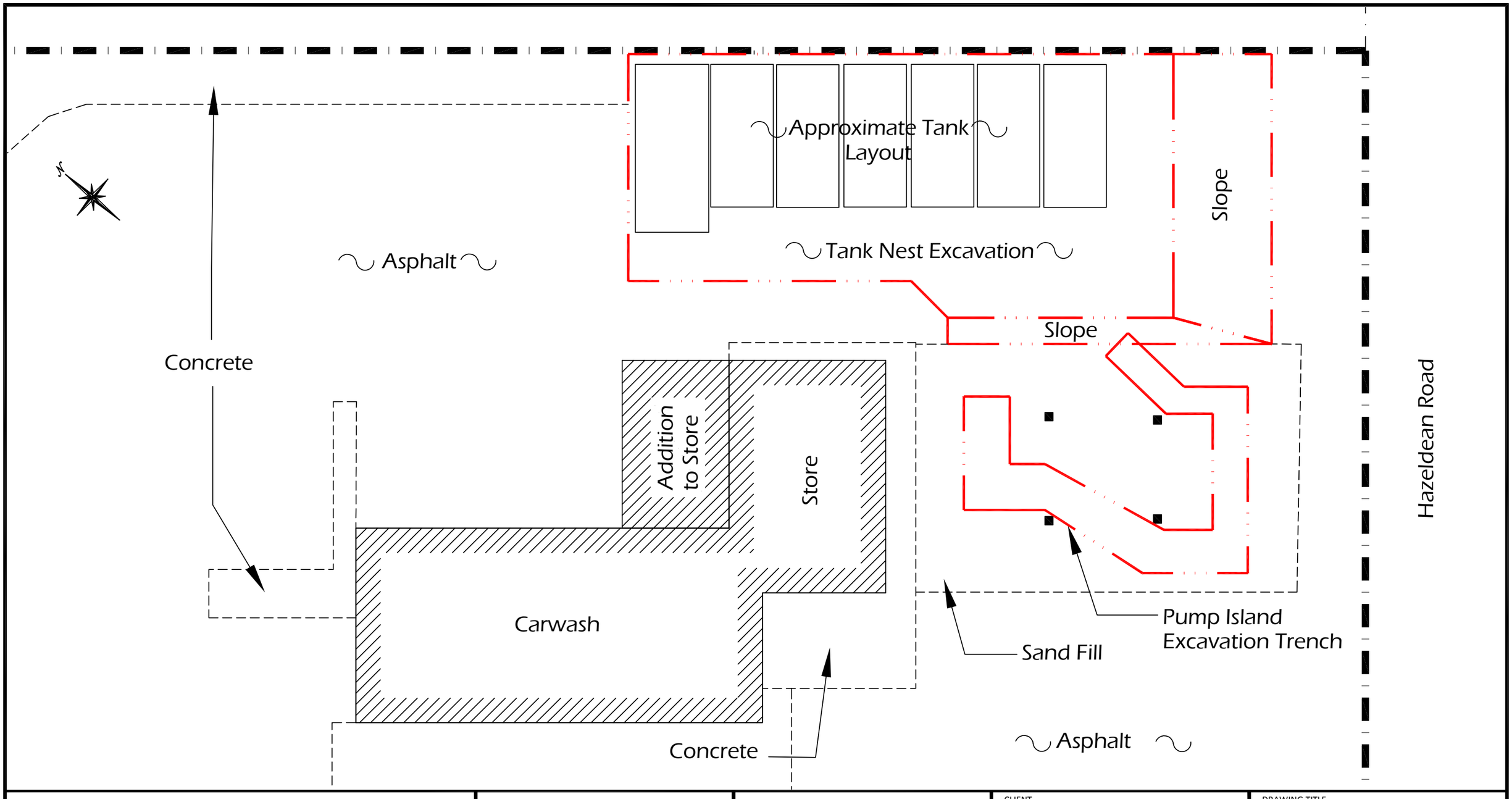
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
SITE PLAN

PROJECT NO.
130619

DATE
JULY 2019

FIGURE 2



Legend

- Property line
- Existing Building
- Building Addition Under Construction
- Division amongst surface material
- UST Removal and Remediation Excavation Limits
- Canopy Pillar (Approximate Location)

3.0m 1.5 0 3.0 6.0m

SCALE: 1:150

No.	REVISIONS	BY	DATE
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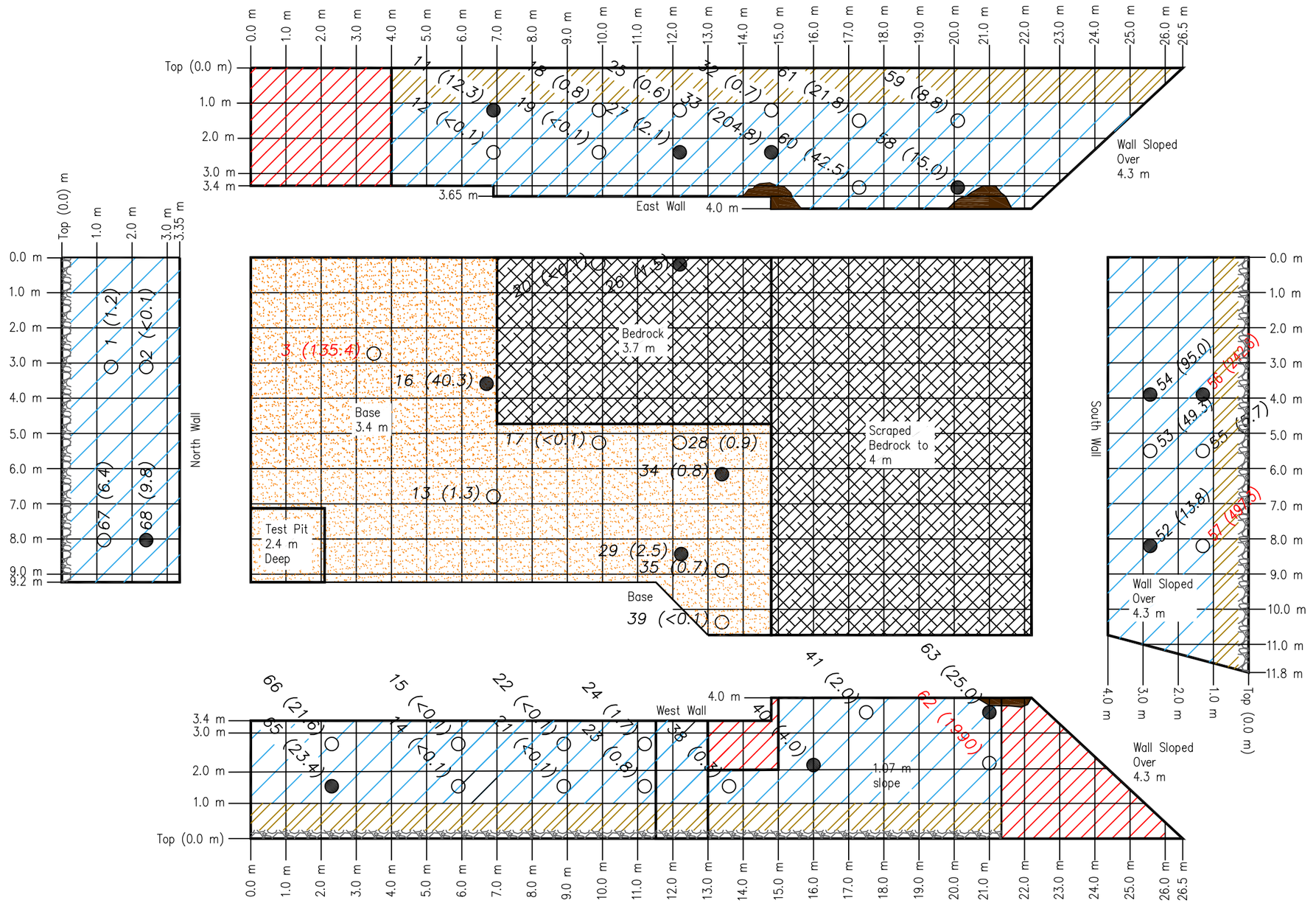
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
SITE PLAN & EXCAVATION LIMITS

PROJECT NO.
130619

DATE
JULY 2019

FIGURE 3



Legend

- ○ 99 (99) Confirmatory sample collected (CSV reading in ppm)
- ● 99 (99) Confirmatory sample collected and submitted for laboratory analysis (CSV reading in ppm)
- ● 99 (99) Confirmatory sample submitted for laboratory analysis showing exceedance of provincial standards or inferred as impacted based on high CSV readings (CSV reading in ppm)

Sand fill · Gravel · Bedrock · Till · Topsoill · Area Not Accessible · Area of Visible Staining Remaining

1.5m 0 3.0 6.0m

SCALE: 1:125

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V.W.	V.W.	M.W.

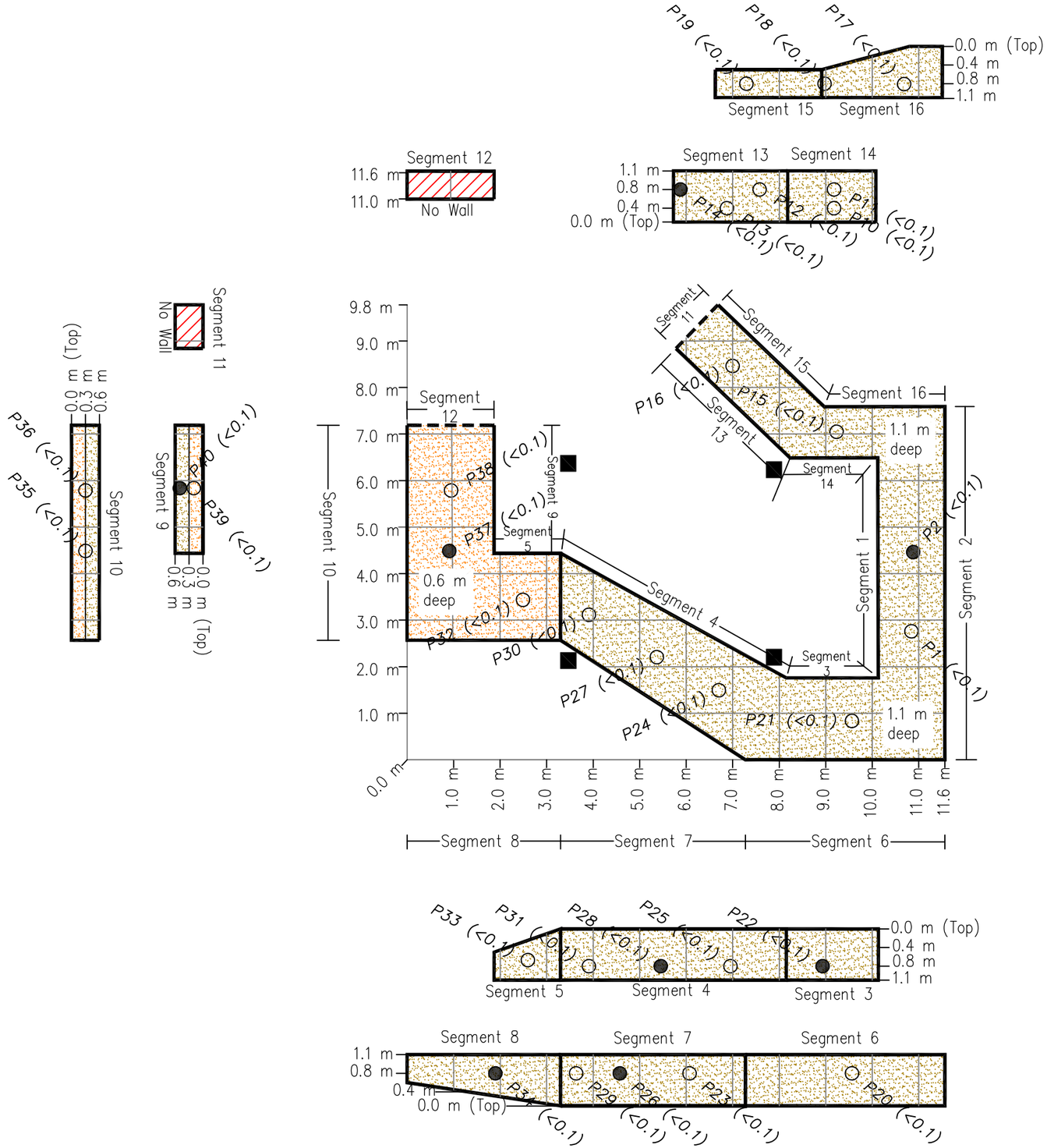
PROJECT: UNDERGROUND STORAGE TANK REMOVAL & ENVIRONMENTAL SITE REMEDIATION
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE: EXCAVATION LIMITS OF TANK NEST AND VERIFICATION SOIL SAMPLE LOCATIONS (MAY 28, 2019)

PROJECT NO. 130619

DATE JULY 2019

FIGURE 4



Legend

- 99 (99) Confirmatory sample collected (CSV reading in ppm)
- 99 (99) Confirmatory sample collected and submitted for laboratory analysis (CSV reading in ppm)
- Sand fill
- Silty Sand
- Silty Sand with Native Gravel
- Wall Open to Tank Nest Excavation
- No Wall
- Canopy Pillar

2m 0.5 0 2 4m

SCALE: 1:100

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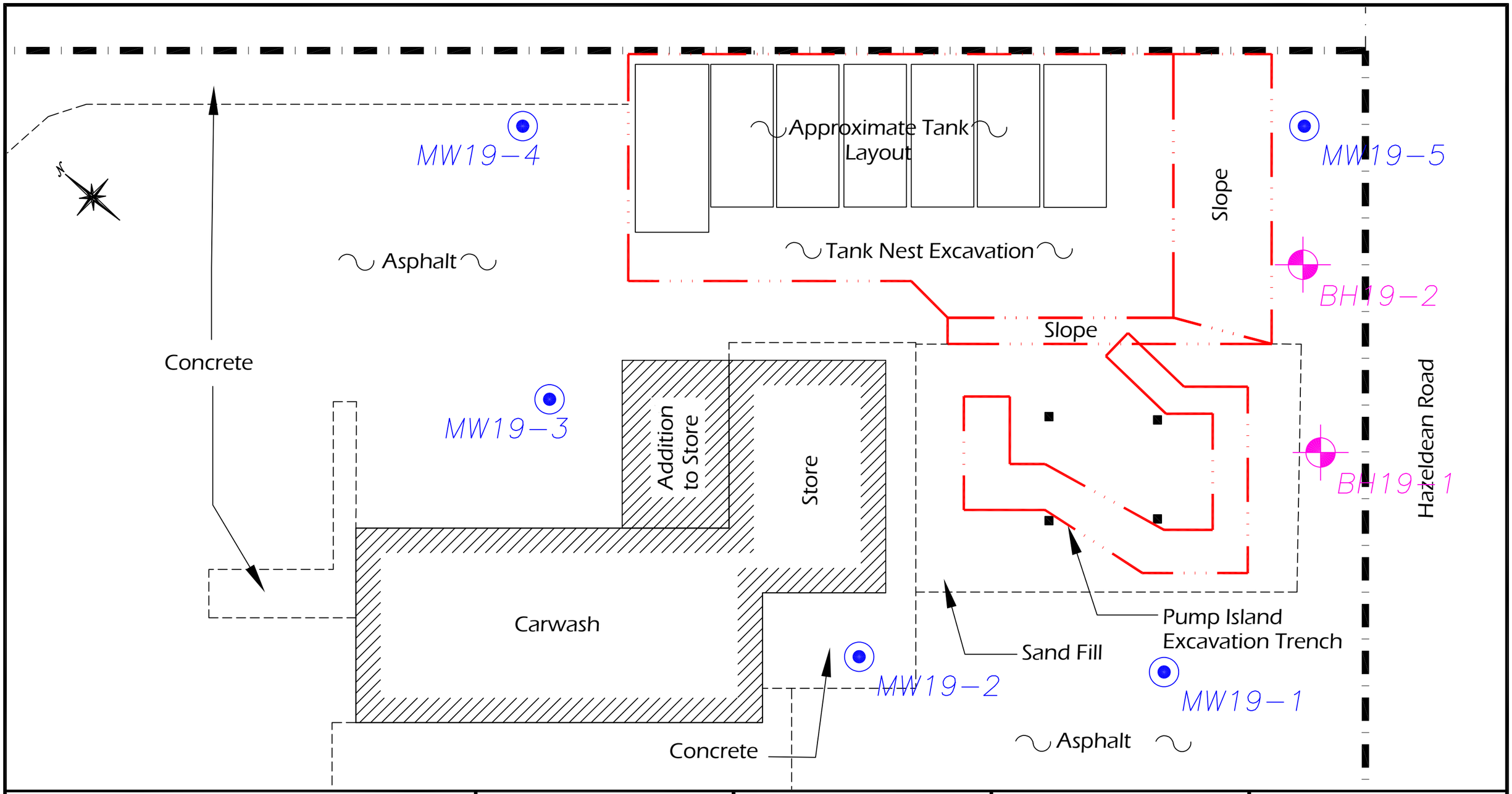
PROJECT
UNDERGROUND STORAGE TANK REMOVAL & ENVIRONMENTAL SITE REMEDIATION
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE
EXCAVATION LIMITS OF PUMP ISLAND AND VERIFICATION SOIL SAMPLE LOCATIONS
(JUNE 3, 2019)

PROJECT NO.
130619

DATE
JULY 2019

FIGURE5



Legend

- Property line
- Existing Building
- Building Addition Under Construction
- Division amongst surface material
- UST Removal and Remediation Excavation Limits
- Canopy Pillar (Approximate Location)
- MW99 Proposed Monitoring Well
- BH99 Proposed Borehole

3.0m 1.5 0 3.0 6.0m

SCALE: 1:150

No.	REVISIONS	BY	DATE
01	ISSUED FOR REVIEW	VW	03/07/2019

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V.W.	V.W.	M.W.

PROJECT

UNDERGROUND STORAGE TANK REMOVAL & ENVIRONMENTAL SITE REMEDIATION
5899 HAZELDEAN ROAD
STITTSVILLE, ONTARIO

DRAWING TITLE

CONTAMINATION DELINEATION - PROPOSED MONITORING WELL & BOREHOLE LOCATIONS

PROJECT NO. 130619

DATE JULY 2019

FIGURE 6

TABLES

Table 1
Summary of Soil Analysis Results from UST Excavation (Excavation No. 1) - PHC, BTEX/VOC & Lead
Underground Storage Tank Removal & Environmental Site Remediation
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample 11	16	26	27	29
Sample Location			--	East Wall	Base	Base	East Wall	Base
Sample Date (d/m/y)			--	5/22/2019	5/22/2019	5/23/2019	5/23/2019	5/23/2019
Depth	**m**		--	0.9	3.4	3.4	3.4	3.4
CSV Readings[3]	**ppm**	0.1	--	12.3	40.3	1.5	2.1	2.5
Physical Characteristics								
% Solids	% by Wt.	0.1	--	84.3	84.3	84.9	89.5	84.8
Metals								
Lead	ug/g dry	1	120	--	1.7	5.9	--	--
Volatiles								
Acetone	ug/g dry	0.5	16	--	<0.50	--	--	--
Benzene	ug/g dry	0.02	0.32	0.08	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	ug/g dry	0.05	18	--	<0.05	--	--	--
Bromoform	ug/g dry	0.05	0.61	--	<0.05	--	--	--
Bromomethane	ug/g dry	0.05	0.05	--	<0.05	--	--	--
Carbon Tetrachloride	ug/g dry	0.05	0.21	--	<0.05	--	--	--
Chlorobenzene	ug/g dry	0.05	2.4	--	<0.05	--	--	--
Chloroform	ug/g dry	0.05	0.47	--	<0.05	--	--	--
Dibromochloromethane	ug/g dry	0.05	13	--	<0.05	--	--	--
Dichlorodifluoromethane	ug/g dry	0.05	16	--	<0.05	--	--	--
1,2-Dichlorobenzene	ug/g dry	0.05	6.8	--	<0.05	--	--	--
1,3-Dichlorobenzene	ug/g dry	0.05	9.6	--	<0.05	--	--	--
1,4-Dichlorobenzene	ug/g dry	0.05	0.2	--	<0.05	--	--	--
1,1-Dichloroethane	ug/g dry	0.05	17	--	<0.05	--	--	--
1,2-Dichloroethane	ug/g dry	0.05	0.05	--	<0.05	--	--	--
1,1-Dichloroethylene	ug/g dry	0.05	0.064	--	<0.05	--	--	--
cis-1,2-Dichloroethylene	ug/g dry	0.05	55	--	<0.05	--	--	--
trans-1,2-Dichloroethylene	ug/g dry	0.05	1.3	--	<0.05	--	--	--
1,2-Dichloropropane	ug/g dry	0.05	0.16	--	<0.05	--	--	--
cis-1,3-Dichloropropylene	ug/g dry	0.05	--	--	<0.05	--	--	--
trans-1,3-Dichloropropylene	ug/g dry	0.05	--	--	<0.05	--	--	--
1,3-Dichloropropene, total	ug/g dry	0.05	0.18	--	<0.05	--	--	--
Ethylbenzene	ug/g dry	0.05	9.5	0.3	0.07	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	ug/g dry	0.05	0.05	--	<0.05	--	--	--
Hexane	ug/g dry	0.05	46	--	<0.05	--	--	--
Methyl Ethyl Ketone (2-Butanone)	ug/g dry	0.5	70	--	<0.50	--	--	--
Methyl Isobutyl Ketone	ug/g dry	0.5	31	--	<0.50	--	--	--
Methyl tert-butyl ether	ug/g dry	0.05	11	--	<0.05	--	--	--
Methylene Chloride	ug/g dry	0.05	1.6	--	<0.05	--	--	--
Styrene	ug/g dry	0.05	34	--	<0.05	--	--	--
1,1,1,2-Tetrachloroethane	ug/g dry	0.05	0.087	--	<0.05	--	--	--
1,1,2,2-Tetrachloroethane	ug/g dry	0.05	0.05	--	<0.05	--	--	--
Tetrachloroethylene	ug/g dry	0.05	4.5	--	<0.05	--	--	--
Toluene	ug/g dry	0.05	68	0.16	0.11	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	ug/g dry	0.05	6.1	--	<0.05	--	--	--
1,1,2-Trichloroethane	ug/g dry	0.05	0.05	--	<0.05	--	--	--
Trichloroethylene	ug/g dry	0.05	0.91	--	<0.05	--	--	--
Trichlorofluoromethane	ug/g dry	0.05	4	--	<0.05	--	--	--
Vinyl Chloride	ug/g dry	0.02	0.032	--	<0.02	--	--	--
m/p-Xylene	ug/g dry	0.05	--	0.4	0.26	<0.05	<0.05	<0.05
o-Xylene	ug/g dry	0.05	--	0.5	0.11	<0.05	<0.05	<0.05
Xylenes, total	ug/g dry	0.05	26	0.9	0.37	<0.05	<0.05	<0.05
Hydrocarbons								
F1 PHCs (C6-C10)	ug/g dry	7	55	<7	<7	<7	<7	<7
F2 PHCs (C10-C16)	ug/g dry	4	230	<4	<4	8	<4	<4
F3 PHCs (C16-C34)	ug/g dry	8	1700	<8	<8	<8	<8	<8
F4 PHCs (C34-C50)	ug/g dry	6	3300	<6	<6	<6	<6	<6
F4G PHCs (Gravimetric))	ug/g dry	50	3300	--	--	--	--	--

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] Combustible soil vapour concentrations measured with a MiniRae 3000 PID.

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon

BOLD Above Table 3 Site Condition Standards

Table 1 (Continued)
Summary of Soil Analysis Results from UST Excavation (Excavation No. 1) - PHC, BTEX/VOC & Lead
Underground Storage Tank Removal & Environmental Site Remediation
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample 33	34	40	52	54
Sample Location			--	East Wall	Base	West Wall	South Wall	South Wall
Sample Date (d/m/y)			--	5/23/2019	5/23/2019	5/23/2019	5/28/2019	5/28/2019
Depth	**m**		--	2.7	3.2	0.9	2.7	2.7
CSV Readings[3]	**ppm**	0.1	--	204.8	0.8	4	13.8	95.0
Physical Characteristics								
% Solids	% by Wt.	0.1	--	92	83.5	95.4	87.8	91.3
Metals								
Lead	ug/g dry	1	120	3.8	--	--	8.2	7.5
Volatiles								
Acetone	ug/g dry	0.5	16	<0.50	--	--	<0.50	<0.50
Benzene	ug/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	ug/g dry	0.05	18	<0.05	--	--	<0.05	<0.05
Bromoform	ug/g dry	0.05	0.61	<0.05	--	--	<0.05	<0.05
Bromomethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	<0.05
Carbon Tetrachloride	ug/g dry	0.05	0.21	<0.05	--	--	<0.05	<0.05
Chlorobenzene	ug/g dry	0.05	2.4	<0.05	--	--	<0.05	<0.05
Chloroform	ug/g dry	0.05	0.47	<0.05	--	--	<0.05	<0.05
Dibromochloromethane	ug/g dry	0.05	13	<0.05	--	--	<0.05	<0.05
Dichlorodifluoromethane	ug/g dry	0.05	16	<0.05	--	--	<0.05	<0.05
1,2-Dichlorobenzene	ug/g dry	0.05	6.8	<0.05	--	--	<0.05	<0.05
1,3-Dichlorobenzene	ug/g dry	0.05	9.6	<0.05	--	--	<0.05	<0.05
1,4-Dichlorobenzene	ug/g dry	0.05	0.2	<0.05	--	--	<0.05	<0.05
1,1-Dichloroethane	ug/g dry	0.05	17	<0.05	--	--	<0.05	<0.05
1,2-Dichloroethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	<0.05
1,1-Dichloroethylene	ug/g dry	0.05	0.064	<0.05	--	--	<0.05	<0.05
cis-1,2-Dichloroethylene	ug/g dry	0.05	55	<0.05	--	--	<0.05	<0.05
trans-1,2-Dichloroethylene	ug/g dry	0.05	1.3	<0.05	--	--	<0.05	<0.05
1,2-Dichloropropane	ug/g dry	0.05	0.16	<0.05	--	--	<0.05	<0.05
cis-1,3-Dichloropropylene	ug/g dry	0.05	--	<0.05	--	--	<0.05	<0.05
trans-1,3-Dichloropropylene	ug/g dry	0.05	--	<0.05	--	--	<0.05	<0.05
1,3-Dichloropropene, total	ug/g dry	0.05	0.18	<0.05	--	--	<0.05	<0.05
Ethylbenzene	ug/g dry	0.05	9.5	<0.05	<0.05	<0.05	0.17	1.28
Ethylene dibromide (dibromoethane, 1,2-)	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	<0.05
Hexane	ug/g dry	0.05	46	<0.05	--	--	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	ug/g dry	0.5	70	<0.50	--	--	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g dry	0.5	31	<0.50	--	--	<0.50	<0.50
Methyl tert-butyl ether	ug/g dry	0.05	11	<0.05	--	--	<0.05	<0.05
Methylene Chloride	ug/g dry	0.05	1.6	<0.05	--	--	<0.05	<0.05
Styrene	ug/g dry	0.05	34	<0.05	--	--	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g dry	0.05	0.087	<0.05	--	--	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	<0.05
Tetrachloroethylene	ug/g dry	0.05	4.5	<0.05	--	--	<0.05	<0.05
Toluene	ug/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	ug/g dry	0.05	6.1	<0.05	--	--	<0.05	<0.05
1,1,2-Trichloroethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	<0.05
Trichloroethylene	ug/g dry	0.05	0.91	<0.05	--	--	<0.05	<0.05
Trichlorofluoromethane	ug/g dry	0.05	4	<0.05	--	--	<0.05	<0.05
Vinyl Chloride	ug/g dry	0.02	0.032	<0.02	--	--	<0.02	<0.02
m/p-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	0.53	2.41
o-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	0.11
Xylenes, total	ug/g dry	0.05	26	<0.05	<0.05	<0.05	0.53	2.51
Hydrocarbons								
F1 PHCs (C6-C10)	ug/g dry	7	55	<7	<7	<7	<7	40
F2 PHCs (C10-C16)	ug/g dry	4	230	<4	<4	<4	12	24
F3 PHCs (C16-C34)	ug/g dry	8	1700	<8	<8	13	20	201
F4 PHCs (C34-C50)	ug/g dry	6	3300	<6	<6	16	34	334
F4G PHCs (Gravimetric))	ug/g dry	50	3300	--	--	--	--	515

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] Combustible soil vapour concentrations measured with a MiniRae 3000 PID.

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon

BOLD Above Table 3 Site Condition Standards

Table 1 (Continued)
Summary of Soil Analysis Results from UST Excavation (Excavation No. 1) - PHC, BTEX/VOC & Lead
Underground Storage Tank Removal & Environmental Site Remediation
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample 56	58	63	65	68
Sample Location			--	South Wall	East Wall	West Wall	West Wall	North Wall
Sample Date (d/m/y)			--	5/28/2019	5/28/2019	5/28/2019	5/28/2019	5/28/2019
Depth	**m**		--	1.3	3.4	1.8	1.2	2.4
CSV Readings[3]	**ppm**	0.1	--	5.7	15.0	25.0	23.4	9.8
Physical Characteristics								
% Solids	% by Wt.	0.1	--	90	90.6	89.1	90.8	93.5
Metals								
Lead	ug/g dry	1	120	--	--	--	--	--
Volatiles								
Acetone	ug/g dry	0.5	16	--	--	--	--	--
Benzene	ug/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	ug/g dry	0.05	18	--	--	--	--	--
Bromoform	ug/g dry	0.05	0.61	--	--	--	--	--
Bromomethane	ug/g dry	0.05	0.05	--	--	--	--	--
Carbon Tetrachloride	ug/g dry	0.05	0.21	--	--	--	--	--
Chlorobenzene	ug/g dry	0.05	2.4	--	--	--	--	--
Chloroform	ug/g dry	0.05	0.47	--	--	--	--	--
Dibromochloromethane	ug/g dry	0.05	13	--	--	--	--	--
Dichlorodifluoromethane	ug/g dry	0.05	16	--	--	--	--	--
1,2-Dichlorobenzene	ug/g dry	0.05	6.8	--	--	--	--	--
1,3-Dichlorobenzene	ug/g dry	0.05	9.6	--	--	--	--	--
1,4-Dichlorobenzene	ug/g dry	0.05	0.2	--	--	--	--	--
1,1-Dichloroethane	ug/g dry	0.05	17	--	--	--	--	--
1,2-Dichloroethane	ug/g dry	0.05	0.05	--	--	--	--	--
1,1-Dichloroethylene	ug/g dry	0.05	0.064	--	--	--	--	--
cis-1,2-Dichloroethylene	ug/g dry	0.05	55	--	--	--	--	--
trans-1,2-Dichloroethylene	ug/g dry	0.05	1.3	--	--	--	--	--
1,2-Dichloropropane	ug/g dry	0.05	0.16	--	--	--	--	--
cis-1,3-Dichloropropylene	ug/g dry	0.05	--	--	--	--	--	--
trans-1,3-Dichloropropylene	ug/g dry	0.05	--	--	--	--	--	--
1,3-Dichloropropene, total	ug/g dry	0.05	0.18	--	--	--	--	--
Ethylbenzene	ug/g dry	0.05	9.5	1.04	<0.05	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	ug/g dry	0.05	0.05	--	--	--	--	--
Hexane	ug/g dry	0.05	46	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	ug/g dry	0.5	70	--	--	--	--	--
Methyl Isobutyl Ketone	ug/g dry	0.5	31	--	--	--	--	--
Methyl tert-butyl ether	ug/g dry	0.05	11	--	--	--	--	--
Methylene Chloride	ug/g dry	0.05	1.6	--	--	--	--	--
Styrene	ug/g dry	0.05	34	--	--	--	--	--
1,1,1,2-Tetrachloroethane	ug/g dry	0.05	0.087	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ug/g dry	0.05	0.05	--	--	--	--	--
Tetrachloroethylene	ug/g dry	0.05	4.5	--	--	--	--	--
Toluene	ug/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	ug/g dry	0.05	6.1	--	--	--	--	--
1,1,2-Trichloroethane	ug/g dry	0.05	0.05	--	--	--	--	--
Trichloroethylene	ug/g dry	0.05	0.91	--	--	--	--	--
Trichlorofluoromethane	ug/g dry	0.05	4	--	--	--	--	--
Vinyl Chloride	ug/g dry	0.02	0.032	--	--	--	--	--
m/p-Xylene	ug/g dry	0.05	--	4.22	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g dry	0.05	26	4.22	<0.05	<0.05	<0.05	<0.05
Hydrocarbons								
F1 PHCs (C6-C10)	ug/g dry	7	55	**124**	<7	<7	<7	<7
F2 PHCs (C10-C16)	ug/g dry	4	230	93	<4	<4	<4	<4
F3 PHCs (C16-C34)	ug/g dry	8	1700	30	<8	<8	<8	<8
F4 PHCs (C34-C50)	ug/g dry	6	3300	66	<6	<6	<6	<6
F4G PHCs (Gravimetric))	ug/g dry	50	3300	--	--	--	--	--

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] Combustible soil vapour concentrations measured with a MiniRae 3000 PID.

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon

BOLD Above Table 3 Site Condition Standards

Table 2

Summary of Soil Analysis Results from Pump Island Excavation (Excavation No.2) - PHC, BTEX/VOC & Lead

Underground Storage Tank Removal & Environmental Site Remediation

5899 Hazeldean Road, Stittsville, Ontario

LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample P2	P5	P8	P14	P22
Sample Location			--	Pump Island Base	Pump Island Sidewall	Pump Island Sidewall	Pump Island Sidewall	Pump Island Sidewall
Sample Date (d/m/y)			--	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019
Depth	**m**		--	1.1	0.8	0.4	0.8	0.8
CSV Readings[3]	**ppm**	0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Physical Characteristics								
% Solids	% by Wt.	0.1	--	86.9	86.5	97.4	89.7	95.4
Metals								
Lead	ug/g dry	1	120	8.2	--	--	7.1	--
Volatiles								
Acetone	ug/g dry	0.5	16	<0.50	--	--	<0.50	--
Benzene	ug/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	ug/g dry	0.05	18	<0.05	--	--	<0.05	--
Bromoform	ug/g dry	0.05	0.61	<0.05	--	--	<0.05	--
Bromomethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	--
Carbon Tetrachloride	ug/g dry	0.05	0.21	<0.05	--	--	<0.05	--
Chlorobenzene	ug/g dry	0.05	2.4	<0.05	--	--	<0.05	--
Chloroform	ug/g dry	0.05	0.47	<0.05	--	--	<0.05	--
Dibromochloromethane	ug/g dry	0.05	13	<0.05	--	--	<0.05	--
Dichlorodifluoromethane	ug/g dry	0.05	16	<0.05	--	--	<0.05	--
1,2-Dichlorobenzene	ug/g dry	0.05	6.8	<0.05	--	--	<0.05	--
1,3-Dichlorobenzene	ug/g dry	0.05	9.6	<0.05	--	--	<0.05	--
1,4-Dichlorobenzene	ug/g dry	0.05	0.2	<0.05	--	--	<0.05	--
1,1-Dichloroethane	ug/g dry	0.05	17	<0.05	--	--	<0.05	--
1,2-Dichloroethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	--
1,1-Dichloroethylene	ug/g dry	0.05	0.064	<0.05	--	--	<0.05	--
cis-1,2-Dichloroethylene	ug/g dry	0.05	55	<0.05	--	--	<0.05	--
trans-1,2-Dichloroethylene	ug/g dry	0.05	1.3	<0.05	--	--	<0.05	--
1,2-Dichloropropane	ug/g dry	0.05	0.16	<0.05	--	--	<0.05	--
cis-1,3-Dichloropropylene	ug/g dry	0.05	--	<0.05	--	--	<0.05	--
trans-1,3-Dichloropropylene	ug/g dry	0.05	--	<0.05	--	--	<0.05	--
1,3-Dichloropropene, total	ug/g dry	0.05	0.18	<0.05	--	--	<0.05	--
Ethylbenzene	ug/g dry	0.05	9.5	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	--
Hexane	ug/g dry	0.05	46	<0.05	--	--	<0.05	--
Methyl Ethyl Ketone (2-Butanone)	ug/g dry	0.5	70	<0.50	--	--	<0.50	--
Methyl Isobutyl Ketone	ug/g dry	0.5	31	<0.50	--	--	<0.50	--
Methyl tert-butyl ether	ug/g dry	0.05	11	<0.05	--	--	<0.05	--
Methylene Chloride	ug/g dry	0.05	1.6	<0.05	--	--	<0.05	--
Styrene	ug/g dry	0.05	34	<0.05	--	--	<0.05	--
1,1,1,2-Tetrachloroethane	ug/g dry	0.05	0.087	<0.05	--	--	<0.05	--
1,1,2,2-Tetrachloroethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	--
Tetrachloroethylene	ug/g dry	0.05	4.5	<0.05	--	--	<0.05	--
Toluene	ug/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	ug/g dry	0.05	6.1	<0.05	--	--	<0.05	--
1,1,2-Trichloroethane	ug/g dry	0.05	0.05	<0.05	--	--	<0.05	--
Trichloroethylene	ug/g dry	0.05	0.91	<0.05	--	--	<0.05	--
Trichlorofluoromethane	ug/g dry	0.05	4	<0.05	--	--	<0.05	--
Vinyl Chloride	ug/g dry	0.02	0.032	<0.02	--	--	<0.02	--
m/p-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g dry	0.05	26	<0.05	<0.05	<0.05	<0.05	<0.05
Hydrocarbons								
F1 PHCs (C6-C10)	ug/g dry	7	55	<7	<7	<7	<7	<7
F2 PHCs (C10-C16)	ug/g dry	4	230	<4	<4	<4	<4	<4
F3 PHCs (C16-C34)	ug/g dry	8	1700	<8	<8	<8	<8	14
F4 PHCs (C34-C50)	ug/g dry	6	3300	<6	<6	<6	<6	<6
F4G PHCs (Gravimetric))	ug/g dry	50	3300	--	--	--	--	--

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] Combustible soil vapour concentrations measured with a MiniRae 3000 PID.

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon

BOLD Above Table 3 Site Condition Standards

Table 2 (Continued)
Summary of Soil Analysis Results from Pump Island Excavation (Excavation No.2) - PHC, BTEX/VOC & Lead
Underground Storage Tank Removal & Environmental Site Remediation
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample P26	P28	P34	P37	P40
Sample Location			--	Pump Island Sidewall	Pump Island Sidewall	Pump Island Sidewall	Pump Island Base	Pump Island Sidewall
Sample Date (d/m/y)			--	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019
Depth	**m**		--	0.8	0.8	0.8	0.6	0.5
CSV Readings[3]	**ppm**	0.1	--	<0.1	<0.1	<0.1	<0.1	<0.1
Physical Characteristics								
% Solids	% by Wt.	0.1	--	84.0	96.3	82.2	83.9	88.2
Metals								
Lead	ug/g dry	1	120	--	--	--	6.9	9.0
Volatiles								
Acetone	ug/g dry	0.5	16	--	--	--	<0.50	<0.50
Benzene	ug/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	ug/g dry	0.05	18	--	--	--	<0.05	<0.05
Bromoform	ug/g dry	0.05	0.61	--	--	--	<0.05	<0.05
Bromomethane	ug/g dry	0.05	0.05	--	--	--	<0.05	<0.05
Carbon Tetrachloride	ug/g dry	0.05	0.21	--	--	--	<0.05	<0.05
Chlorobenzene	ug/g dry	0.05	2.4	--	--	--	<0.05	<0.05
Chloroform	ug/g dry	0.05	0.47	--	--	--	<0.05	<0.05
Dibromochloromethane	ug/g dry	0.05	13	--	--	--	<0.05	<0.05
Dichlorodifluoromethane	ug/g dry	0.05	16	--	--	--	<0.05	<0.05
1,2-Dichlorobenzene	ug/g dry	0.05	6.8	--	--	--	<0.05	<0.05
1,3-Dichlorobenzene	ug/g dry	0.05	9.6	--	--	--	<0.05	<0.05
1,4-Dichlorobenzene	ug/g dry	0.05	0.2	--	--	--	<0.05	<0.05
1,1-Dichloroethane	ug/g dry	0.05	17	--	--	--	<0.05	<0.05
1,2-Dichloroethane	ug/g dry	0.05	0.05	--	--	--	<0.05	<0.05
1,1-Dichloroethylene	ug/g dry	0.05	0.064	--	--	--	<0.05	<0.05
cis-1,2-Dichloroethylene	ug/g dry	0.05	55	--	--	--	<0.05	<0.05
trans-1,2-Dichloroethylene	ug/g dry	0.05	1.3	--	--	--	<0.05	<0.05
1,2-Dichloropropane	ug/g dry	0.05	0.16	--	--	--	<0.05	<0.05
cis-1,3-Dichloropropylene	ug/g dry	0.05	--	--	--	--	<0.05	<0.05
trans-1,3-Dichloropropylene	ug/g dry	0.05	--	--	--	--	<0.05	<0.05
1,3-Dichloropropene, total	ug/g dry	0.05	0.18	--	--	--	<0.05	<0.05
Ethylbenzene	ug/g dry	0.05	9.5	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethane, 1,2-)	ug/g dry	0.05	0.05	--	--	--	<0.05	<0.05
Hexane	ug/g dry	0.05	46	--	--	--	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	ug/g dry	0.5	70	--	--	--	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g dry	0.5	31	--	--	--	<0.50	<0.50
Methyl tert-butyl ether	ug/g dry	0.05	11	--	--	--	<0.05	<0.05
Methylene Chloride	ug/g dry	0.05	1.6	--	--	--	<0.05	<0.05
Styrene	ug/g dry	0.05	34	--	--	--	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g dry	0.05	0.087	--	--	--	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g dry	0.05	0.05	--	--	--	<0.05	<0.05
Tetrachloroethylene	ug/g dry	0.05	4.5	--	--	--	<0.05	<0.05
Toluene	ug/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	ug/g dry	0.05	6.1	--	--	--	<0.05	<0.05
1,1,2-Trichloroethane	ug/g dry	0.05	0.05	--	--	--	<0.05	<0.05
Trichloroethylene	ug/g dry	0.05	0.91	--	--	--	<0.05	<0.05
Trichlorofluoromethane	ug/g dry	0.05	4	--	--	--	<0.05	<0.05
Vinyl Chloride	ug/g dry	0.02	0.032	--	--	--	<0.02	<0.02
m/p-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
o-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
Xylenes, total	ug/g dry	0.05	26	<0.05	<0.05	<0.05	<0.05	<0.05
Hydrocarbons								
F1 PHCs (C6-C10)	ug/g dry	7	55	<7	<7	<7	<7	<7
F2 PHCs (C10-C16)	ug/g dry	4	230	<4	<4	<4	<4	<4
F3 PHCs (C16-C34)	ug/g dry	8	1700	<8	<8	<8	<8	<8
F4 PHCs (C34-C50)	ug/g dry	6	3300	<6	<6	<6	<6	<6
F4G PHCs (Gravimetric))	ug/g dry	50	3300	--	--	--	--	--

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] Combustible soil vapour concentrations measured with a MiniRae 3000 PID.

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon

BOLD Above Table 3 Site Condition Standards

Table 3
Summary of Groundwater VOC & PHC Analysis
Underground Storage Tank Removal & Environmental Site Remediation
5899 Hazeldean Road, Stittsville, Ontario
LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample GW1	GW2	MW3
Sample Date (d/m/y)				22-May-19	23-May-19	27-May-19
Evidence of free product?	--	--	[3]	PHC Odour & Sheen	PHC Odour & Sheen	PHC Odour
Volatiles						
Acetone	ug/L	5	130000	6300	<5.0	<5.0
Benzene	ug/L	0.5	44	5140	3.0	<0.5
Bromodichloromethane	ug/L	0.5	85000	<50.0[4]	<0.5	<0.5
Bromoform	ug/L	0.5	380	<50.0[4]	<0.5	<0.5
Bromomethane	ug/L	0.5	5.6	<50.0[4]	<0.5	<0.5
Carbon Tetrachloride	ug/L	0.2	0.79	<20.0[4]	<0.2	<0.2
Chlorobenzene	ug/L	0.5	630	<50.0[4]	<0.5	<0.5
Chloroform	ug/L	0.5	2.4	<50.0[4]	<0.5	<0.5
Dibromochloromethane	ug/L	0.5	82000	<50.0[4]	<0.5	<0.5
Dichlorodifluoromethane	ug/L	1	4400	<100[4]	<1.0	<1.0
1,2-Dichlorobenzene	ug/L	0.5	4600	<50.0[4]	<0.5	<0.5
1,3-Dichlorobenzene	ug/L	0.5	9600	<50.0[4]	<0.5	<0.5
1,4-Dichlorobenzene	ug/L	0.5	8	<50.0[4]	<0.5	<0.5
1,1-Dichloroethane	ug/L	0.5	320	<50.0[4]	<0.5	<0.5
1,2-Dichloroethane	ug/L	0.5	1.6	<50.0[4]	<0.5	<0.5
1,1-Dichloroethylene	ug/L	0.5	1.6	<50.0[4]	<0.5	<0.5
cis-1,2-Dichloroethylene	ug/L	0.5	1.6	<50.0[4]	<0.5	<0.5
trans-1,2-Dichloroethylene	ug/L	0.5	1.6	<50.0[4]	<0.5	<0.5
1,2-Dichloropropane	ug/L	0.5	16	<50.0[4]	<0.5	<0.5
cis-1,3-Dichloropropylene	ug/L	0.5	--	<50.0[4]	<0.5	<0.5
trans-1,3-Dichloropropylene	ug/L	0.5	--	<50.0[4]	<0.5	<0.5
1,3-Dichloropropene, total	ug/L	0.5	5.2	<50.0[4]	<0.5	<0.5
Ethylbenzene	ug/L	0.5	2300	6740	0.9	3.9
Ethylene dibromide	ug/L	0.2	0.25	<20.0[4]	<0.2	<0.2
Hexane	ug/L	1	51	2110	<1.0	<1.0
Methyl Ethyl Ketone	ug/L	5	470000	<500[4]	<5.0	<5.0
Methyl Isobutyl Ketone	ug/L	5	140000	<500[4]	<5.0	<5.0
Methyl tert-butyl ether	ug/L	2	190	266	3.6	<2.0
Methylene Chloride	ug/L	5	610	<500[4]	<5.0	<5.0
Styrene	ug/L	0.5	1300	<50.0[4]	<0.5	<0.5
1,1,1,2-Tetrachloroethane	ug/L	0.5	3.3	<50.0[4]	<0.5	<0.5
1,1,2,2-Tetrachloroethane	ug/L	0.5	3.2	<50.0[4]	<0.5	<0.5
Tetrachloroethylene	ug/L	0.5	1.6	<50.0[4]	18.4	<0.5
Toluene	ug/L	0.5	18000	61600	21.5	<0.5
1,1,1-Trichloroethane	ug/L	0.5	640	<50.0[4]	<0.5	<0.5
1,1,2-Trichloroethane	ug/L	0.5	4.7	<50.0[4]	<0.5	<0.5
Trichloroethylene	ug/L	0.5	1.6	<50.0[4]	<0.5	<0.5
Trichlorofluoromethane	ug/L	1	2500	<100[4]	<1.0	<1.0
Vinyl Chloride	ug/L	0.5	0.5	<50.0[4]	<0.5	<0.5
m/p-Xylene	ug/L	0.5	--	51600	77.9	2.4
o-Xylene	ug/L	0.5	--	23000	116	<0.5
Xylenes, total	ug/L	0.5	4200	74700	193	2.4
Hydrocarbons						
F1 PHCs (C6-C10)	ug/L	25	750	138000	354	<25
F2 PHCs (C10-C16)	ug/L	100	150	8160	654	169
F3 PHCs (C16-C34)	ug/L	100	500	1800	2530	4240
F4 PHCs (C34-C50)	ug/L	100	500	420	836	2420
F1 + F2 PHCs	ug/L	125	--	146160	1008	169
F3 + F4 PHCs	ug/L	200	--	2220	1844	6660

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] To meet the standard there must be no evidence of free product including film or sheen.

[4] Elevated detection limit due to dilution required because of high analyte concentration. Samples were diluted by a factor of 100.

-- No Value

PHC Petroleum Hydrocarbon

MDL Method Detection Limit

BOLD Above Table 3 Site Condition Standards

Table 4

Summary of Stockpile Soil Analysis Results - PHC, VOC & Lead

Underground Storage Tank Removal & Environmental Site Remediation

5899 Hazeldean Road, Stittsville, Ontario

LRL File: 130619

Parameter	Units	MDL	O. Reg. 153/04[1] Table 3[2] Commercial Property Use Coarse Textured Soil	Sample SS1	SS3	SS4	SS5	4
Sample Location			--	--	--	--	--	Northeastern Corner
Sample Date (d/m/y)			--	5/22/2019	5/28/2019	5/28/2019	5/28/2019	5/28/2019
Depth	**m**		--	--	--	--	--	--
CSV Readings[3]	**ppm**	0.1	--	11.7	15.7	11.4	7.0	96.4
Physical Characteristics								
% Solids	% by Wt.	0.1	--	93.1	92.7	93.4	91.3	90.9
Metals								
Lead	ug/g dry	1	120	4	5	6	5	4
Volatiles								
Acetone	ug/g dry	0.5	16	<0.50	<0.50	<0.50	<0.50	<0.50
Benzene	ug/g dry	0.02	0.32	<0.02	<0.02	<0.02	<0.02	0.10
Bromodichloromethane	ug/g dry	0.05	18	<0.05	<0.05	<0.05	<0.05	<0.05
Bromoform	ug/g dry	0.05	0.61	<0.05	<0.05	<0.05	<0.05	<0.05
Bromomethane	ug/g dry	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	ug/g dry	0.05	0.21	<0.05	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	ug/g dry	0.05	2.4	<0.05	<0.05	<0.05	<0.05	<0.05
Chloroform	ug/g dry	0.05	0.47	<0.05	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	ug/g dry	0.05	13	<0.05	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	ug/g dry	0.05	16	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	ug/g dry	0.05	6.8	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	ug/g dry	0.05	9.6	<0.05	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	ug/g dry	0.05	0.2	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	ug/g dry	0.05	17	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	ug/g dry	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	ug/g dry	0.05	0.064	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethylene	ug/g dry	0.05	55	<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	ug/g dry	0.05	1.3	<0.05	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	ug/g dry	0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.05
cis-1,3-Dichloropropylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
trans-1,3-Dichloropropylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene, total	ug/g dry	0.05	0.18	<0.05	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	ug/g dry	0.05	9.5	<0.05	<0.05	<0.05	<0.05	1.05
Ethylene dibromide (dibromoethar	ug/g dry	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Hexane	ug/g dry	0.05	46	<0.05	<0.05	<0.05	<0.05	0.61
Methyl Ethyl Ketone (2-Butanone)	ug/g dry	0.5	70	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	ug/g dry	0.5	31	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	ug/g dry	0.05	11	<0.05	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	ug/g dry	0.05	1.6	<0.05	<0.05	<0.05	<0.05	<0.05
Styrene	ug/g dry	0.05	34	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	ug/g dry	0.05	0.087	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2,2-Tetrachloroethane	ug/g dry	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	ug/g dry	0.05	4.5	<0.05	<0.05	<0.05	<0.05	<0.05
Toluene	ug/g dry	0.05	68	<0.05	<0.05	<0.05	<0.05	5.24
1,1,1-Trichloroethane	ug/g dry	0.05	6.1	<0.05	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	ug/g dry	0.05	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	ug/g dry	0.05	0.91	<0.05	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	ug/g dry	0.05	4	<0.05	<0.05	<0.05	<0.05	<0.05
Vinyl Chloride	ug/g dry	0.02	0.032	<0.02	<0.02	<0.02	<0.02	<0.02
m/p-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	14.3
o-Xylene	ug/g dry	0.05	--	<0.05	<0.05	<0.05	<0.05	5.28
Xylenes, total	ug/g dry	0.05	26	<0.05	<0.05	<0.05	<0.05	19.6
Hydrocarbons								
F1 PHCs (C6-C10)	ug/g dry	7	55	<7	<7	<7	<7	72
F2 PHCs (C10-C16)	ug/g dry	4	230	<4	<4	<4	<4	<4
F3 PHCs (C16-C34)	ug/g dry	8	1700	<8	<8	26	11	<8
F4 PHCs (C34-C50)	ug/g dry	6	3300	<6	<6	31	21	<6

NOTES:

[1] MOE's *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011*

[2] Table 3: Full depth generic site condition standards in a non-potable groundwater condition.

[3] Combustible soil vapour concentrations measured with a MiniRae 3000 PID.

MDL Method Detection Limit

-- No Value/Not Analysed

PHC Petroleum Hydrocarbon

BOLD Above Table 3 Site Condition Standards

APPENDIX A
Laboratory Certificates of Analysis

PARACEL LABORATORIES LTD.
TRUSTED. RESPONSIVE. RELIABLE.

300 - 2319 St. Laurent Blvd
Ottawa, ON, K1G 4J8
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Genevieve Marcoux

Client PO:
Project: 130619
Custody: 122012

Report Date: 3-Jun-2019
Order Date: 30-May-2019

Order #: 1922512

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1922512-01	SS1
1922512-02	SS3
1922512-03	SS4
1922512-04	SS5
1922512-05	4

Approved By:

Mark Foto

Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 03-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Metals, ICP-MS	EPA 6020 - Digestion - ICP-MS	31-May-19	31-May-19
PHC F1	CWS Tier 1 - P&T GC-FID	31-May-19	31-May-19
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	30-May-19	31-May-19
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	31-May-19	1-Jun-19
Solids, %	Gravimetric, calculation	31-May-19	31-May-19

PARACEL LABORATORIES LTD.

Order #: 1922512

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 03-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	SS1	SS3	SS4	SS5
	Sample Date:	28-May-19 12:00	28-May-19 12:00	28-May-19 12:00	28-May-19 12:00
	Sample ID:	1922512-01	1922512-02	1922512-03	1922512-04
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	93.1	92.7	93.4	91.3
Metals					
Lead	1 ug/g dry	4	5	6	5
Volatiles					
Acetone	0.50 ug/g dry	<0.50	<0.50	<0.50	<0.50
Benzene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Bromodichloromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Bromoform	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Bromomethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Carbon Tetrachloride	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Chlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Chloroform	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Dibromochloromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,2-Dichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,2-Dichloropropane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Ethylbenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Ethylene dibromide (dibromoethan	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Hexane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	<0.50	<0.50	<0.50
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	<0.50	<0.50	<0.50
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Methylene Chloride	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Styrene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 03-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	SS1	SS3	SS4	SS5
	Sample Date:	28-May-19 12:00	28-May-19 12:00	28-May-19 12:00	28-May-19 12:00
	Sample ID:	1922512-01	1922512-02	1922512-03	1922512-04
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Tetrachloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Trichloroethylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Trichlorofluoromethane	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Vinyl chloride	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
o-Xylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
4-Bromofluorobenzene	Surrogate	98.4%	97.3%	98.6%	118%
Dibromofluoromethane	Surrogate	73.6%	131%	134%	90.4%
Toluene-d8	Surrogate	83.5%	83.5%	108%	83.0%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	26	11
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	31	21

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 03-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	4	-	-	-
	Sample Date:	22-May-19 09:00	-	-	-
	Sample ID:	1922512-05	-	-	-
	MDL/Units	Soil	-	-	-
Physical Characteristics					
% Solids	0.1 % by Wt.	90.9	-	-	-
Metals					
Lead	1 ug/g dry	4	-	-	-
Volatiles					
Acetone	0.50 ug/g dry	<0.50	-	-	-
Benzene	0.02 ug/g dry	0.10	-	-	-
Bromodichloromethane	0.05 ug/g dry	<0.05	-	-	-
Bromoform	0.05 ug/g dry	<0.05	-	-	-
Bromomethane	0.05 ug/g dry	<0.05	-	-	-
Carbon Tetrachloride	0.05 ug/g dry	<0.05	-	-	-
Chlorobenzene	0.05 ug/g dry	<0.05	-	-	-
Chloroform	0.05 ug/g dry	<0.05	-	-	-
Dibromochloromethane	0.05 ug/g dry	<0.05	-	-	-
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,1-Dichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichloropropane	0.05 ug/g dry	<0.05	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	-	-
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	-	-	-
Ethylbenzene	0.05 ug/g dry	1.05	-	-	-
Ethylene dibromide (dibromoethar	0.05 ug/g dry	<0.05	-	-	-
Hexane	0.05 ug/g dry	0.61	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	-	-	-
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	-	-	-
Methylene Chloride	0.05 ug/g dry	<0.05	-	-	-
Styrene	0.05 ug/g dry	<0.05	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	-	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 03-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	4	-	-	-
	Sample Date:	22-May-19 09:00	-	-	-
	Sample ID:	1922512-05	-	-	-
	MDL/Units	Soil	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	-	-
Tetrachloroethylene	0.05 ug/g dry	<0.05	-	-	-
Toluene	0.05 ug/g dry	5.24	-	-	-
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	-	-	-
Trichloroethylene	0.05 ug/g dry	<0.05	-	-	-
Trichlorofluoromethane	0.05 ug/g dry	<0.05	-	-	-
Vinyl chloride	0.02 ug/g dry	<0.02	-	-	-
m,p-Xylenes	0.05 ug/g dry	14.3	-	-	-
o-Xylene	0.05 ug/g dry	5.28	-	-	-
Xylenes, total	0.05 ug/g dry	19.6	-	-	-
4-Bromofluorobenzene	Surrogate	90.1%	-	-	-
Dibromofluoromethane	Surrogate	121%	-	-	-
Toluene-d8	Surrogate	76.5%	-	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	72	-	-	-
F2 PHCs (C10-C16)	4 ug/g dry	<4	-	-	-
F3 PHCs (C16-C34)	8 ug/g dry	<8	-	-	-
F4 PHCs (C34-C50)	6 ug/g dry	<6	-	-	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 03-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
Metals									
Lead	ND	1	ug/g						
Volatiles									
Acetone	ND	0.50	ug/g						
Benzene	ND	0.02	ug/g						
Bromodichloromethane	ND	0.05	ug/g						
Bromoform	ND	0.05	ug/g						
Bromomethane	ND	0.05	ug/g						
Carbon Tetrachloride	ND	0.05	ug/g						
Chlorobenzene	ND	0.05	ug/g						
Chloroform	ND	0.05	ug/g						
Dibromochloromethane	ND	0.05	ug/g						
Dichlorodifluoromethane	ND	0.05	ug/g						
1,2-Dichlorobenzene	ND	0.05	ug/g						
1,3-Dichlorobenzene	ND	0.05	ug/g						
1,4-Dichlorobenzene	ND	0.05	ug/g						
1,1-Dichloroethane	ND	0.05	ug/g						
1,2-Dichloroethane	ND	0.05	ug/g						
1,1-Dichloroethylene	ND	0.05	ug/g						
cis-1,2-Dichloroethylene	ND	0.05	ug/g						
trans-1,2-Dichloroethylene	ND	0.05	ug/g						
1,2-Dichloropropane	ND	0.05	ug/g						
cis-1,3-Dichloropropylene	ND	0.05	ug/g						
trans-1,3-Dichloropropylene	ND	0.05	ug/g						
1,3-Dichloropropene, total	ND	0.05	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Ethylene dibromide (dibromoethane	ND	0.05	ug/g						
Hexane	ND	0.05	ug/g						
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g						
Methyl Isobutyl Ketone	ND	0.50	ug/g						
Methyl tert-butyl ether	ND	0.05	ug/g						
Methylene Chloride	ND	0.05	ug/g						
Styrene	ND	0.05	ug/g						
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g						
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g						
Tetrachloroethylene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
1,1,1-Trichloroethane	ND	0.05	ug/g						
1,1,2-Trichloroethane	ND	0.05	ug/g						
Trichloroethylene	ND	0.05	ug/g						
Trichlorofluoromethane	ND	0.05	ug/g						
Vinyl chloride	ND	0.02	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						
Surrogate: 4-Bromofluorobenzene	*3.52*		*ug/g*		*110*	*50-140*			
Surrogate: Dibromofluoromethane	*2.02*		*ug/g*		*63.1*	*50-140*			
Surrogate: Toluene-d8	*2.89*		*ug/g*		*90.4*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND				40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND				30	
F3 PHCs (C16-C34)	ND	8	ug/g dry	ND				30	
F4 PHCs (C34-C50)	ND	6	ug/g dry	ND				30	
Metals									
Lead	3.7	1	ug/g dry	3.8			1.0	30	
Physical Characteristics									
% Solids	96.0	0.1	% by Wt.	96.5			0.5	25	
Volatiles									
Acetone	ND	0.50	ug/g dry	ND				50	
Benzene	ND	0.02	ug/g dry	ND				50	
Bromodichloromethane	ND	0.05	ug/g dry	ND				50	
Bromoform	ND	0.05	ug/g dry	ND				50	
Bromomethane	ND	0.05	ug/g dry	ND				50	
Carbon Tetrachloride	ND	0.05	ug/g dry	ND				50	
Chlorobenzene	ND	0.05	ug/g dry	ND				50	
Chloroform	ND	0.05	ug/g dry	ND				50	
Dibromochloromethane	ND	0.05	ug/g dry	ND				50	
Dichlorodifluoromethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,3-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,4-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
1,2-Dichloropropane	ND	0.05	ug/g dry	ND				50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Ethylene dibromide (dibromoethane	ND	0.05	ug/g dry	ND				50	
Hexane	ND	0.05	ug/g dry	ND				50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g dry	ND				50	
Methyl Isobutyl Ketone	ND	0.50	ug/g dry	ND				50	
Methyl tert-butyl ether	ND	0.05	ug/g dry	ND				50	
Methylene Chloride	ND	0.05	ug/g dry	ND				50	
Styrene	ND	0.05	ug/g dry	ND				50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
Tetrachloroethylene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
1,1,1-Trichloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2-Trichloroethane	ND	0.05	ug/g dry	ND				50	
Trichloroethylene	ND	0.05	ug/g dry	ND				50	
Trichlorofluoromethane	ND	0.05	ug/g dry	ND				50	
Vinyl chloride	ND	0.02	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	
o-Xylene	ND	0.05	ug/g dry	ND				50	
Surrogate: 4-Bromofluorobenzene	*3.83*		*ug/g dry*		*106*	*50-140*			
Surrogate: Dibromofluoromethane	*2.76*		*ug/g dry*		*76.5*	*50-140*			
Surrogate: Toluene-d8	*3.20*		*ug/g dry*		*88.8*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	190	7	ug/g		95.0	80-120			
F2 PHCs (C10-C16)	105	4	ug/g	ND	105	60-140			
F3 PHCs (C16-C34)	276	8	ug/g	ND	112	60-140			
F4 PHCs (C34-C50)	150	6	ug/g	ND	96.8	60-140			
Metals									
Lead	49.4		ug/L	1.5	95.7	70-130			
Volatiles									
Acetone	10.8	0.50	ug/g		108	50-140			
Benzene	2.92	0.02	ug/g		73.1	60-130			
Bromodichloromethane	3.06	0.05	ug/g		76.5	60-130			
Bromoform	4.15	0.05	ug/g		104	60-130			
Bromomethane	2.97	0.05	ug/g		74.2	50-140			
Carbon Tetrachloride	2.84	0.05	ug/g		71.0	60-130			
Chlorobenzene	3.27	0.05	ug/g		81.7	60-130			
Chloroform	3.22	0.05	ug/g		80.4	60-130			
Dibromochloromethane	4.26	0.05	ug/g		107	60-130			
Dichlorodifluoromethane	2.12	0.05	ug/g		52.9	50-140			
1,2-Dichlorobenzene	3.57	0.05	ug/g		89.2	60-130			
1,3-Dichlorobenzene	3.52	0.05	ug/g		88.1	60-130			
1,4-Dichlorobenzene	2.85	0.05	ug/g		71.4	60-130			
1,1-Dichloroethane	3.32	0.05	ug/g		82.9	60-130			
1,2-Dichloroethane	2.82	0.05	ug/g		70.6	60-130			
1,1-Dichloroethylene	3.44	0.05	ug/g		86.0	60-130			
cis-1,2-Dichloroethylene	2.94	0.05	ug/g		73.4	60-130			
trans-1,2-Dichloroethylene	2.83	0.05	ug/g		70.8	60-130			
1,2-Dichloropropane	3.39	0.05	ug/g		84.8	60-130			
cis-1,3-Dichloropropylene	3.57	0.05	ug/g		89.2	60-130			
trans-1,3-Dichloropropylene	3.29	0.05	ug/g		82.2	60-130			
Ethylbenzene	2.80	0.05	ug/g		70.0	60-130			
Ethylene dibromide (dibromoethane	4.08	0.05	ug/g		102	60-130			
Hexane	3.83	0.05	ug/g		95.8	60-130			
Methyl Ethyl Ketone (2-Butanone)	11.6	0.50	ug/g		116	50-140			
Methyl Isobutyl Ketone	9.85	0.50	ug/g		98.5	50-140			
Methyl tert-butyl ether	7.99	0.05	ug/g		79.9	50-140			
Methylene Chloride	3.70	0.05	ug/g		92.6	60-130			
Styrene	3.28	0.05	ug/g		82.0	60-130			
1,1,1,2-Tetrachloroethane	3.81	0.05	ug/g		95.2	60-130			
1,1,2,2-Tetrachloroethane	5.02	0.05	ug/g		126	60-130			
Tetrachloroethylene	3.50	0.05	ug/g		87.4	60-130			
Toluene	3.40	0.05	ug/g		84.9	60-130			
1,1,1-Trichloroethane	3.03	0.05	ug/g		75.7	60-130			
1,1,2-Trichloroethane	3.86	0.05	ug/g		96.5	60-130			
Trichloroethylene	3.11	0.05	ug/g		77.8	60-130			
Trichlorofluoromethane	2.53	0.05	ug/g		63.3	50-140			
Vinyl chloride	3.44	0.02	ug/g		86.0	50-140			
m,p-Xylenes	8.38	0.05	ug/g		105	60-130			
o-Xylene	3.59	0.05	ug/g		89.7	60-130			
Surrogate: 4-Bromofluorobenzene	*2.42*		*ug/g*		*75.6*	*50-140*			

Qualifier Notes:

None

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

PARACEL LABORATORIES LTD.

PARACEL WO: 1922512

Head Office
300-2319 St. Laurent Blvd.
Ottawa, Ontario K1G 4J8
p: 1-800-749-1947
e: paracel@paracellabs.com

Chain of Custody
(Lab Use Only)
№ 122012

Page 1 of 1

Client Name: LRL Associates Ltd.	Project Reference: 130619	**Turnaround Time:**
Contact Name: Geneviève Marcoux	Quote #	☒ 1 Day ☐ 3 Day
Address: 5430 Canotek Rd. Ottawa, ON K1J9G2	PO #	☐ 2 Day ☐ Regular
Telephone: 613-842-3434	Email Address: gmarcoux@lrl.ca	Date Required:

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☐ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: ☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Paracel Order Number: 1922512

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	LEAD					
1	SS1	S		2	MAY 28/19	PM	X	X						X					-32mm+3mg -
2	SS3	↓		↓	↓	↓	↓	↓						↓					↓
3	SS4																		
4	SS5																		
5	4				MAY 22/19	AM													
6																			
7																			
8																			
9																			
10																			

Comments:

Method of Delivery: Parcel

Relinquished By (Sign): Valerie Wassflock	Received by Driver/Depot: M. Blouin	Received at Lab: Sureeporn Rahmat	Verified By:
Relinquished By (Print): Valerie Wassflock	Date/Time: 30/05/19 1:10 PM	Date/Time: May 30, 2019 02.45	Date/Time: 05-30-19 15:28
Date/Time: MAY 30/19 @ 11:00 AM	Temperature: °C	Temperature: 12.2 °C	pH Verified [ ] By:

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Genevieve Marcoux

Client PO:
Project: 130619
Custody: 122011/122013

Report Date: 5-Jun-2019
Order Date: 30-May-2019

Order #: 1922526

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1922526-01	68
1922526-02	65
1922526-03	16
1922526-04	11
1922526-05	27
1922526-06	26
1922526-07	29
1922526-08	33
1922526-09	34
1922526-10	40
1922526-11	63
1922526-12	58
1922526-13	54
1922526-14	56
1922526-15	52

Approved By:

Dale Robertson, BSc
Laboratory Director

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
BTEX by P&T GC-MS	EPA 8260 - P&T GC-MS	3-Jun-19	4-Jun-19
Metals, ICP-OES	based on MOE E3470, ICP-OES	5-Jun-19	5-Jun-19
PHC F1	CWS Tier 1 - P&T GC-FID	3-Jun-19	4-Jun-19
PHC F4G (gravimetric)	CWS Tier 1 - Extraction Gravimetric	3-Jun-19	5-Jun-19
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	31-May-19	2-Jun-19
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	3-Jun-19	4-Jun-19
Solids, %	Gravimetric, calculation	4-Jun-19	4-Jun-19

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	68	65	16	11
	Sample Date:	28-May-19 12:00	23-May-19 12:00	22-May-19 09:00	22-May-19 09:00
	Sample ID:	1922526-01	1922526-02	1922526-03	1922526-04
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	93.5	90.8	84.3	84.3
Metals					
Lead	1.0 ug/g dry	-	-	1.7	-
Volatiles					
Acetone	0.50 ug/g dry	-	-	<0.50	-
Benzene	0.02 ug/g dry	-	-	<0.02	-
Bromodichloromethane	0.05 ug/g dry	-	-	<0.05	-
Bromoform	0.05 ug/g dry	-	-	<0.05	-
Bromomethane	0.05 ug/g dry	-	-	<0.05	-
Carbon Tetrachloride	0.05 ug/g dry	-	-	<0.05	-
Chlorobenzene	0.05 ug/g dry	-	-	<0.05	-
Chloroform	0.05 ug/g dry	-	-	<0.05	-
Dibromochloromethane	0.05 ug/g dry	-	-	<0.05	-
Dichlorodifluoromethane	0.05 ug/g dry	-	-	<0.05	-
1,2-Dichlorobenzene	0.05 ug/g dry	-	-	<0.05	-
1,3-Dichlorobenzene	0.05 ug/g dry	-	-	<0.05	-
1,4-Dichlorobenzene	0.05 ug/g dry	-	-	<0.05	-
1,1-Dichloroethane	0.05 ug/g dry	-	-	<0.05	-
1,2-Dichloroethane	0.05 ug/g dry	-	-	<0.05	-
1,1-Dichloroethylene	0.05 ug/g dry	-	-	<0.05	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	-	-	<0.05	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	-	-	<0.05	-
1,2-Dichloropropane	0.05 ug/g dry	-	-	<0.05	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	-	-	<0.05	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	-	-	<0.05	-
1,3-Dichloropropene, total	0.05 ug/g dry	-	-	<0.05	-
Ethylbenzene	0.05 ug/g dry	-	-	0.07	-
Ethylene dibromide (dibromoethan	0.05 ug/g dry	-	-	<0.05	-
Hexane	0.05 ug/g dry	-	-	<0.05	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	-	-	<0.50	-
Methyl Isobutyl Ketone	0.50 ug/g dry	-	-	<0.50	-
Methyl tert-butyl ether	0.05 ug/g dry	-	-	<0.05	-
Methylene Chloride	0.05 ug/g dry	-	-	<0.05	-
Styrene	0.05 ug/g dry	-	-	<0.05	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	-	-	<0.05	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	68	65	16	11
	Sample Date:	28-May-19 12:00	23-May-19 12:00	22-May-19 09:00	22-May-19 09:00
	Sample ID:	1922526-01	1922526-02	1922526-03	1922526-04
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	-	-	<0.05	-
Tetrachloroethylene	0.05 ug/g dry	-	-	<0.05	-
Toluene	0.05 ug/g dry	-	-	0.11	-
1,1,1-Trichloroethane	0.05 ug/g dry	-	-	<0.05	-
1,1,2-Trichloroethane	0.05 ug/g dry	-	-	<0.05	-
Trichloroethylene	0.05 ug/g dry	-	-	<0.05	-
Trichlorofluoromethane	0.05 ug/g dry	-	-	<0.05	-
Vinyl chloride	0.02 ug/g dry	-	-	<0.02	-
m,p-Xylenes	0.05 ug/g dry	-	-	0.26	-
o-Xylene	0.05 ug/g dry	-	-	0.11	-
Xylenes, total	0.05 ug/g dry	-	-	0.37	-
4-Bromofluorobenzene	Surrogate	-	-	104%	-
Dibromofluoromethane	Surrogate	-	-	76.0%	-
Toluene-d8	Surrogate	-	-	86.0%	-
Benzene	0.02 ug/g dry	<0.02	<0.02	-	0.08
Ethylbenzene	0.05 ug/g dry	<0.05	<0.05	-	0.30
Toluene	0.05 ug/g dry	<0.05	<0.05	-	0.16
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	-	0.40
o-Xylene	0.05 ug/g dry	<0.05	<0.05	-	0.50
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	-	0.90
Toluene-d8	Surrogate	86.1%	87.7%	-	85.9%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	<8	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	27	26	29	33
	Sample Date:	23-May-19 09:00	23-May-19 09:00	23-May-19 09:00	23-May-19 09:00
	Sample ID:	1922526-05	1922526-06	1922526-07	1922526-08
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	89.5	84.9	84.8	92.0
Metals					
Lead	1.0 ug/g dry	-	5.9	-	3.8
Volatiles					
Acetone	0.50 ug/g dry	-	-	-	<0.50
Benzene	0.02 ug/g dry	-	-	-	<0.02
Bromodichloromethane	0.05 ug/g dry	-	-	-	<0.05
Bromoform	0.05 ug/g dry	-	-	-	<0.05
Bromomethane	0.05 ug/g dry	-	-	-	<0.05
Carbon Tetrachloride	0.05 ug/g dry	-	-	-	<0.05
Chlorobenzene	0.05 ug/g dry	-	-	-	<0.05
Chloroform	0.05 ug/g dry	-	-	-	<0.05
Dibromochloromethane	0.05 ug/g dry	-	-	-	<0.05
Dichlorodifluoromethane	0.05 ug/g dry	-	-	-	<0.05
1,2-Dichlorobenzene	0.05 ug/g dry	-	-	-	<0.05
1,3-Dichlorobenzene	0.05 ug/g dry	-	-	-	<0.05
1,4-Dichlorobenzene	0.05 ug/g dry	-	-	-	<0.05
1,1-Dichloroethane	0.05 ug/g dry	-	-	-	<0.05
1,2-Dichloroethane	0.05 ug/g dry	-	-	-	<0.05
1,1-Dichloroethylene	0.05 ug/g dry	-	-	-	<0.05
cis-1,2-Dichloroethylene	0.05 ug/g dry	-	-	-	<0.05
trans-1,2-Dichloroethylene	0.05 ug/g dry	-	-	-	<0.05
1,2-Dichloropropane	0.05 ug/g dry	-	-	-	<0.05
cis-1,3-Dichloropropylene	0.05 ug/g dry	-	-	-	<0.05
trans-1,3-Dichloropropylene	0.05 ug/g dry	-	-	-	<0.05
1,3-Dichloropropene, total	0.05 ug/g dry	-	-	-	<0.05
Ethylbenzene	0.05 ug/g dry	-	-	-	<0.05
Ethylene dibromide (dibromoethar	0.05 ug/g dry	-	-	-	<0.05
Hexane	0.05 ug/g dry	-	-	-	<0.05
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	-	-	-	<0.50
Methyl Isobutyl Ketone	0.50 ug/g dry	-	-	-	<0.50
Methyl tert-butyl ether	0.05 ug/g dry	-	-	-	<0.05
Methylene Chloride	0.05 ug/g dry	-	-	-	<0.05
Styrene	0.05 ug/g dry	-	-	-	<0.05
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	-	-	-	<0.05

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	27	26	29	33
	Sample Date:	23-May-19 09:00	23-May-19 09:00	23-May-19 09:00	23-May-19 09:00
	Sample ID:	1922526-05	1922526-06	1922526-07	1922526-08
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	-	-	-	<0.05
Tetrachloroethylene	0.05 ug/g dry	-	-	-	<0.05
Toluene	0.05 ug/g dry	-	-	-	<0.05
1,1,1-Trichloroethane	0.05 ug/g dry	-	-	-	<0.05
1,1,2-Trichloroethane	0.05 ug/g dry	-	-	-	<0.05
Trichloroethylene	0.05 ug/g dry	-	-	-	<0.05
Trichlorofluoromethane	0.05 ug/g dry	-	-	-	<0.05
Vinyl chloride	0.02 ug/g dry	-	-	-	<0.02
m,p-Xylenes	0.05 ug/g dry	-	-	-	<0.05
o-Xylene	0.05 ug/g dry	-	-	-	<0.05
Xylenes, total	0.05 ug/g dry	-	-	-	<0.05
4-Bromofluorobenzene	Surrogate	-	-	-	101%
Dibromofluoromethane	Surrogate	-	-	-	74.2%
Toluene-d8	Surrogate	-	-	-	88.5%
Benzene	0.02 ug/g dry	<0.02	<0.02	<0.02	-
Ethylbenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	-
Toluene	0.05 ug/g dry	<0.05	<0.05	<0.05	-
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	<0.05	-
o-Xylene	0.05 ug/g dry	<0.05	<0.05	<0.05	-
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	<0.05	-
Toluene-d8	Surrogate	85.4%	86.6%	86.6%	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	8	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	<8	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	34	40	63	58
	Sample Date:	23-May-19 09:00	23-May-19 12:00	28-May-19 12:00	28-May-19 12:00
	Sample ID:	1922526-09	1922526-10	1922526-11	1922526-12
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	83.5	95.4	89.1	90.6
Volatiles					
Benzene	0.02 ug/g dry	<0.02	<0.02	<0.02	<0.02
Ethylbenzene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
m,p-Xylenes	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
o-Xylene	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	<0.05	<0.05	<0.05
Toluene-d8	Surrogate	86.4%	86.9%	86.3%	86.7%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	13	<8	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	16	<6	<6

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	54	56	52	-
	Sample Date:	28-May-19 09:00	28-May-19 12:00	28-May-19 09:00	-
	Sample ID:	1922526-13	1922526-14	1922526-15	-
	MDL/Units	Soil	Soil	Soil	-
Physical Characteristics					
% Solids	0.1 % by Wt.	91.3	90.0	87.8	-
Metals					
Lead	1.0 ug/g dry	7.5	-	8.2	-
Volatiles					
Acetone	0.50 ug/g dry	<0.50	-	<0.50	-
Benzene	0.02 ug/g dry	<0.02	-	<0.02	-
Bromodichloromethane	0.05 ug/g dry	<0.05	-	<0.05	-
Bromoform	0.05 ug/g dry	<0.05	-	<0.05	-
Bromomethane	0.05 ug/g dry	<0.05	-	<0.05	-
Carbon Tetrachloride	0.05 ug/g dry	<0.05	-	<0.05	-
Chlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
Chloroform	0.05 ug/g dry	<0.05	-	<0.05	-
Dibromochloromethane	0.05 ug/g dry	<0.05	-	<0.05	-
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
1,1-Dichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,2-Dichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
1,2-Dichloropropane	0.05 ug/g dry	<0.05	-	<0.05	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	<0.05	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	<0.05	-
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	-	<0.05	-
Ethylbenzene	0.05 ug/g dry	1.28	-	0.17	-
Ethylene dibromide (dibromoethar	0.05 ug/g dry	<0.05	-	<0.05	-
Hexane	0.05 ug/g dry	<0.05	-	<0.05	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	-	<0.50	-
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	-	<0.50	-
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	-	<0.05	-
Methylene Chloride	0.05 ug/g dry	<0.05	-	<0.05	-
Styrene	0.05 ug/g dry	<0.05	-	<0.05	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	<0.05	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	54	56	52	-
	Sample Date:	28-May-19 09:00	28-May-19 12:00	28-May-19 09:00	-
	Sample ID:	1922526-13	1922526-14	1922526-15	-
	MDL/Units	Soil	Soil	Soil	-
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
Tetrachloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
Toluene	0.05 ug/g dry	<0.05	-	<0.05	-
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
Trichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
Trichlorofluoromethane	0.05 ug/g dry	<0.05	-	<0.05	-
Vinyl chloride	0.02 ug/g dry	<0.02	-	<0.02	-
m,p-Xylenes	0.05 ug/g dry	2.41	-	0.53	-
o-Xylene	0.05 ug/g dry	0.11	-	<0.05	-
Xylenes, total	0.05 ug/g dry	2.51	-	0.53	-
4-Bromofluorobenzene	Surrogate	103%	-	105%	-
Dibromofluoromethane	Surrogate	75.3%	-	71.4%	-
Toluene-d8	Surrogate	83.9%	-	85.7%	-
Benzene	0.02 ug/g dry	-	<0.02	-	-
Ethylbenzene	0.05 ug/g dry	-	1.04	-	-
Toluene	0.05 ug/g dry	-	<0.05	-	-
m,p-Xylenes	0.05 ug/g dry	-	4.22	-	-
o-Xylene	0.05 ug/g dry	-	<0.05	-	-
Xylenes, total	0.05 ug/g dry	-	4.22	-	-
Toluene-d8	Surrogate	-	85.7%	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	40	124	<7	-
F2 PHCs (C10-C16)	4 ug/g dry	24	93	12	-
F3 PHCs (C16-C34)	8 ug/g dry	201	30	20	-
F4 PHCs (C34-C50)	6 ug/g dry	334 [2]	66	34	-
F4G PHCs (gravimetric)	50 ug/g dry	515	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
F4G PHCs (gravimetric)	ND	50	ug/g						
Metals									
Lead	ND	1.0	ug/g						
Volatiles									
Acetone	ND	0.50	ug/g						
Benzene	ND	0.02	ug/g						
Bromodichloromethane	ND	0.05	ug/g						
Bromoform	ND	0.05	ug/g						
Bromomethane	ND	0.05	ug/g						
Carbon Tetrachloride	ND	0.05	ug/g						
Chlorobenzene	ND	0.05	ug/g						
Chloroform	ND	0.05	ug/g						
Dibromochloromethane	ND	0.05	ug/g						
Dichlorodifluoromethane	ND	0.05	ug/g						
1,2-Dichlorobenzene	ND	0.05	ug/g						
1,3-Dichlorobenzene	ND	0.05	ug/g						
1,4-Dichlorobenzene	ND	0.05	ug/g						
1,1-Dichloroethane	ND	0.05	ug/g						
1,2-Dichloroethane	ND	0.05	ug/g						
1,1-Dichloroethylene	ND	0.05	ug/g						
cis-1,2-Dichloroethylene	ND	0.05	ug/g						
trans-1,2-Dichloroethylene	ND	0.05	ug/g						
1,2-Dichloropropane	ND	0.05	ug/g						
cis-1,3-Dichloropropylene	ND	0.05	ug/g						
trans-1,3-Dichloropropylene	ND	0.05	ug/g						
1,3-Dichloropropene, total	ND	0.05	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Ethylene dibromide (dibromoethane	ND	0.05	ug/g						
Hexane	ND	0.05	ug/g						
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g						
Methyl Isobutyl Ketone	ND	0.50	ug/g						
Methyl tert-butyl ether	ND	0.05	ug/g						
Methylene Chloride	ND	0.05	ug/g						
Styrene	ND	0.05	ug/g						
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g						
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g						
Tetrachloroethylene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
1,1,1-Trichloroethane	ND	0.05	ug/g						
1,1,2-Trichloroethane	ND	0.05	ug/g						
Trichloroethylene	ND	0.05	ug/g						
Trichlorofluoromethane	ND	0.05	ug/g						
Vinyl chloride	ND	0.02	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						
Surrogate: 4-Bromofluorobenzene	*9.05*		*ug/g*		*113*	*50-140*			
Surrogate: Dibromofluoromethane	*7.91*		*ug/g*		*98.8*	*50-140*			
Surrogate: Toluene-d8	*7.54*		*ug/g*		*94.2*	*50-140*			
Benzene	ND	0.02	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*7.54*		*ug/g*		*94.2*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND				40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND				30	
F3 PHCs (C16-C34)	ND	8	ug/g dry	ND				30	
F4 PHCs (C34-C50)	ND	6	ug/g dry	ND				30	
Metals									
Lead	2.40	1.0	ug/g dry	1.65			37.1	30	QR-05
Physical Characteristics									
% Solids	80.2	0.1	% by Wt.	80.4			0.2	25	
Volatiles									
Acetone	ND	0.50	ug/g dry	ND				50	
Benzene	ND	0.02	ug/g dry	ND				50	
Bromodichloromethane	ND	0.05	ug/g dry	ND				50	
Bromoform	ND	0.05	ug/g dry	ND				50	
Bromomethane	ND	0.05	ug/g dry	ND				50	
Carbon Tetrachloride	ND	0.05	ug/g dry	ND				50	
Chlorobenzene	ND	0.05	ug/g dry	ND				50	
Chloroform	ND	0.05	ug/g dry	ND				50	
Dibromochloromethane	ND	0.05	ug/g dry	ND				50	
Dichlorodifluoromethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,3-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,4-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
1,2-Dichloropropane	ND	0.05	ug/g dry	ND				50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Ethylene dibromide (dibromoethane	ND	0.05	ug/g dry	ND				50	
Hexane	ND	0.05	ug/g dry	ND				50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g dry	ND				50	
Methyl Isobutyl Ketone	ND	0.50	ug/g dry	ND				50	
Methyl tert-butyl ether	ND	0.05	ug/g dry	ND				50	
Methylene Chloride	ND	0.05	ug/g dry	ND				50	
Styrene	ND	0.05	ug/g dry	ND				50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
Tetrachloroethylene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
1,1,1-Trichloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2-Trichloroethane	ND	0.05	ug/g dry	ND				50	
Trichloroethylene	ND	0.05	ug/g dry	ND				50	
Trichlorofluoromethane	ND	0.05	ug/g dry	ND				50	
Vinyl chloride	ND	0.02	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	
o-Xylene	ND	0.05	ug/g dry	ND				50	
Surrogate: 4-Bromofluorobenzene	*9.49*		*ug/g dry*		*102*	*50-140*			
Surrogate: Dibromofluoromethane	*8.91*		*ug/g dry*		*96.3*	*50-140*			
Surrogate: Toluene-d8	*8.97*		*ug/g dry*		*96.9*	*50-140*			
Benzene	ND	0.02	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	
o-Xylene	ND	0.05	ug/g dry	ND				50	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*8.97*		*ug/g dry*		*96.9*	*50-140*			

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	197	7	ug/g		98.6	80-120			
F2 PHCs (C10-C16)	88	4	ug/g	ND	102	60-140			
F3 PHCs (C16-C34)	229	8	ug/g	ND	109	60-140			
F4 PHCs (C34-C50)	126	6	ug/g	ND	95.3	60-140			
F4G PHCs (gravimetric)	840	50	ug/g		84.0	80-120			
Metals									
Lead	272		ug/L	33.0	95.5	70-130			
Volatiles									
Acetone	10.1	0.50	ug/g		101	50-140			
Benzene	2.95	0.02	ug/g		73.8	60-130			
Bromodichloromethane	3.74	0.05	ug/g		93.6	60-130			
Bromoform	4.66	0.05	ug/g		116	60-130			
Bromomethane	4.60	0.05	ug/g		115	50-140			
Carbon Tetrachloride	2.87	0.05	ug/g		71.7	60-130			
Chlorobenzene	3.57	0.05	ug/g		89.3	60-130			
Chloroform	3.16	0.05	ug/g		78.9	60-130			
Dibromochloromethane	3.85	0.05	ug/g		96.1	60-130			
Dichlorodifluoromethane	3.67	0.05	ug/g		91.8	50-140			
1,2-Dichlorobenzene	4.47	0.05	ug/g		112	60-130			
1,3-Dichlorobenzene	4.03	0.05	ug/g		101	60-130			
1,4-Dichlorobenzene	4.00	0.05	ug/g		100	60-130			
1,1-Dichloroethane	3.04	0.05	ug/g		76.1	60-130			
1,2-Dichloroethane	2.94	0.05	ug/g		73.6	60-130			
1,1-Dichloroethylene	2.89	0.05	ug/g		72.3	60-130			
cis-1,2-Dichloroethylene	3.62	0.05	ug/g		90.4	60-130			
trans-1,2-Dichloroethylene	3.39	0.05	ug/g		84.7	60-130			
1,2-Dichloropropane	3.09	0.05	ug/g		77.3	60-130			
cis-1,3-Dichloropropylene	2.67	0.05	ug/g		66.9	60-130			
trans-1,3-Dichloropropylene	2.56	0.05	ug/g		63.9	60-130			
Ethylbenzene	3.55	0.05	ug/g		88.8	60-130			
Ethylene dibromide (dibromoethane	4.13	0.05	ug/g		103	60-130			
Hexane	2.81	0.05	ug/g		70.3	60-130			
Methyl Ethyl Ketone (2-Butanone)	9.11	0.50	ug/g		91.1	50-140			
Methyl Isobutyl Ketone	6.18	0.50	ug/g		61.8	50-140			
Methyl tert-butyl ether	8.01	0.05	ug/g		80.1	50-140			
Methylene Chloride	2.53	0.05	ug/g		63.4	60-130			
Styrene	4.00	0.05	ug/g		99.9	60-130			
1,1,1,2-Tetrachloroethane	3.65	0.05	ug/g		91.2	60-130			
1,1,2,2-Tetrachloroethane	3.43	0.05	ug/g		85.8	60-130			
Tetrachloroethylene	4.99	0.05	ug/g		125	60-130			
Toluene	3.46	0.05	ug/g		86.6	60-130			
1,1,1-Trichloroethane	3.26	0.05	ug/g		81.4	60-130			
1,1,2-Trichloroethane	2.98	0.05	ug/g		74.6	60-130			
Trichloroethylene	2.77	0.05	ug/g		69.3	60-130			
Trichlorofluoromethane	2.44	0.05	ug/g		61.0	50-140			
Vinyl chloride	4.79	0.02	ug/g		120	50-140			
m,p-Xylenes	7.36	0.05	ug/g		92.0	60-130			
o-Xylene	3.46	0.05	ug/g		86.5	60-130			
Surrogate: 4-Bromofluorobenzene	*8.15*		*ug/g*		*102*	*50-140*			
Benzene	2.95	0.02	ug/g		73.8	60-130			
Ethylbenzene	3.55	0.05	ug/g		88.8	60-130			

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Toluene	3.46	0.05	ug/g		86.6	60-130			
m,p-Xylenes	7.36	0.05	ug/g		92.0	60-130			
o-Xylene	3.46	0.05	ug/g		86.5	60-130			

Qualifier Notes:

Login Qualifiers :

Sample - Not preserved - No MeOH Vial
Applies to samples: 26

Sample Qualifiers :

2 : GC-FID signal did not return to baseline by C50

QC Qualifiers :

QR-05 : Duplicate RPDs higher than normally accepted. Remaining batch QA\QC was acceptable. May be sample effect.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

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Chain of Custody
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№ 122011

Page 1 of 2

Client Name: LRL Associates Ltd	Project Reference: DS 130619
Contact Name: Geneviève Marcoux	Quote #
Address: 5430 Canotek Rd. Ottawa, ON K1J 9G2	PO #
Telephone: 613-842-3434	Email Address: gmarcoux@lrl.ca

Turnaround Time:
☐ 1 Day ☐ 3 Day
☐ 2 Day ☒ Regular
Date Required: _____

Criteria: ☐ O. Reg. 153/04 (As Amended) Table _ ☐ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ ☐ Other: _____

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Paracel Order Number: 1922526

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1+F2+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	LEAD					
1	68	S		2	PM	May 28/19	X											12 mL + 1 vial	
2	65				PM	May 29/19													
3	16				AM	May 22/19	X	X						X					
4	11				AM	May 22/19													
5	27				AM	May 23/19													
6	26				AM	May 23/19	X							X					
7	29				AM	May 23/19													
8	33				AM	May 23/19		X						X					
9	34				AM	May 23/19													
10	40				PM	May 23/19													

Comments: No VOC for 26.

Method of Delivery: Paracel

Relinquished By (Sign): Valerie Weisflock	Received by Driver/Depot: A. Lecuyer	Received at Lab: Jumeeporn Bumai	Verified By: D. Gamey
Relinquished By (Print): Valerie Weisflock	Date/Time: 30/05/19 1:40 PM	Date/Time: May 30, 2019 02:45	Date/Time: 30 May 19 16:36
Date/Time: MAY 30/19 @ 11:00 AM	Temperature: °C	Temperature: 12.2 °C	pH Verified ☐ By:

PARACEL LABORATORIES LTD.

Paracel ID: 1922526

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Ottawa, Ontario K1G 4J8
p: 1-800-749-1947
e: paracel@paracellabs.com

Chain of Custody
(Lab Use Only)
No 122013

Page 2 of 2

Client Name: LRL Associates Ltd.	Project Reference: B069	**Turnaround Time:**
Contact Name: Geneviève Marcoux	Quote #	☐ 1 Day ☐ 3 Day
Address: 5430 Canotek Rd Ottawa, ON	PO #	☐ 2 Day ☒ Regular
Telephone: 613 842-3434	Email Address: gmarcoux@lrl.ca	Date Required:

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☐ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: ☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Paracel Order Number: 1922526

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	LEAD						
1	63	S		2	May 28/19	PM	X													- 120mL + 1 Vial
2	58				May 28/19	PM														
3	54				May 28/19	AM		X						X						
4	56				May 28/19	PM														
5	52				May 28/19	AM	√X							X						
6																				
7																				
8																				
9																				
10																				

Comments:

Method of Delivery: Paracel

Relinquished By (Sign): Valerie Weisflock	Received by Driver/Depot: A. Skovie	Received at Lab: Jumeaporm Rokmai	Verified By: D Gagnon
Relinquished By (Print): Valerie Weisflock	Date/Time: 30/05/19 1:10 PM	Date/Time: MAY 30, 2019 02:45	Date/Time: 30 May/19 1:36
Date/Time: MAY 30/19 @ 11:00 AM	Temperature: °C	Temperature: 12.2 °C	pH Verified [ ] By:

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Genevieve Marcoux

Client PO:
Project: 130619
Custody: 122014

Report Date: 5-Jun-2019
Order Date: 30-May-2019

Order #: 1922533

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1922533-01	GW1
1922533-02	GW2
1922533-03	MW3

Approved By:

Dale Robertson, BSc
Laboratory Director

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
PHC F1	CWS Tier 1 - P&T GC-FID	31-May-19	5-Jun-19
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	4-Jun-19	5-Jun-19
REG 153: VOCs by P&T GC/MS	EPA 624 - P&T GC-MS	31-May-19	5-Jun-19

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	GW1	GW2	MW3	-
	Sample Date:	22-May-19 12:00	23-May-19 09:00	27-May-19 09:00	-
	Sample ID:	1922533-01	1922533-02	1922533-03	-
	MDL/Units	Water	Water	Water	-
Volatiles					
Acetone	5.0 ug/L	6300	<5.0	<5.0	-
Benzene	0.5 ug/L	5140	3.0	<0.5	-
Bromodichloromethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Bromoform	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Bromomethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Carbon Tetrachloride	0.2 ug/L	<20.0 [1]	<0.2	<0.2	-
Chlorobenzene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Chloroform	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Dibromochloromethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Dichlorodifluoromethane	1.0 ug/L	<100 [1]	<1.0	<1.0	-
1,2-Dichlorobenzene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,3-Dichlorobenzene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,4-Dichlorobenzene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,1-Dichloroethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,2-Dichloroethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,1-Dichloroethylene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
cis-1,2-Dichloroethylene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
trans-1,2-Dichloroethylene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,2-Dichloropropane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
cis-1,3-Dichloropropylene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
trans-1,3-Dichloropropylene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,3-Dichloropropene, total	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Ethylbenzene	0.5 ug/L	6740	0.9	3.9	-
Ethylene dibromide (dibromoethan	0.2 ug/L	<20.0 [1]	<0.2	<0.2	-
Hexane	1.0 ug/L	2110	<1.0	<1.0	-
Methyl Ethyl Ketone (2-Butanone)	5.0 ug/L	<500 [1]	<5.0	<5.0	-
Methyl Isobutyl Ketone	5.0 ug/L	<500 [1]	<5.0	<5.0	-
Methyl tert-butyl ether	2.0 ug/L	266	3.6	<2.0	-
Methylene Chloride	5.0 ug/L	<500 [1]	<5.0	<5.0	-
Styrene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,1,1,2-Tetrachloroethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
1,1,2,2-Tetrachloroethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Tetrachloroethylene	0.5 ug/L	<50.0 [1]	18.4	<0.5	-
Toluene	0.5 ug/L	61600	21.5	<0.5	-
1,1,1-Trichloroethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

	Client ID:	GW1	GW2	MW3	-
	Sample Date:	22-May-19 12:00	23-May-19 09:00	27-May-19 09:00	-
	Sample ID:	1922533-01	1922533-02	1922533-03	-
	MDL/Units	Water	Water	Water	-
1,1,2-Trichloroethane	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Trichloroethylene	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
Trichlorofluoromethane	1.0 ug/L	<100 [1]	<1.0	<1.0	-
Vinyl chloride	0.5 ug/L	<50.0 [1]	<0.5	<0.5	-
m,p-Xylenes	0.5 ug/L	51600	77.9	2.4	-
o-Xylene	0.5 ug/L	23000	116	<0.5	-
Xylenes, total	0.5 ug/L	74700	193	2.4	-
4-Bromofluorobenzene	Surrogate	96.3%	88.5%	107%	-
Dibromofluoromethane	Surrogate	70.7%	86.6%	86.9%	-
Toluene-d8	Surrogate	109%	100%	109%	-
Hydrocarbons					
F1 PHCs (C6-C10)	25 ug/L	138000	354	<25	-
F2 PHCs (C10-C16)	100 ug/L	8160 [3]	654 [3]	169	-
F3 PHCs (C16-C34)	100 ug/L	1800 [3]	2530 [3]	4240	-
F4 PHCs (C34-C50)	100 ug/L	420 [3]	836 [3]	2420	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 05-Jun-2019
Order Date: 30-May-2019
Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L						
F2 PHCs (C10-C16)	ND	100	ug/L						
F3 PHCs (C16-C34)	ND	100	ug/L						
F4 PHCs (C34-C50)	ND	100	ug/L						
Volatiles									
Acetone	ND	5.0	ug/L						
Benzene	ND	0.5	ug/L						
Bromodichloromethane	ND	0.5	ug/L						
Bromoform	ND	0.5	ug/L						
Bromomethane	ND	0.5	ug/L						
Carbon Tetrachloride	ND	0.2	ug/L						
Chlorobenzene	ND	0.5	ug/L						
Chloroform	ND	0.5	ug/L						
Dibromochloromethane	ND	0.5	ug/L						
Dichlorodifluoromethane	ND	1.0	ug/L						
1,2-Dichlorobenzene	ND	0.5	ug/L						
1,3-Dichlorobenzene	ND	0.5	ug/L						
1,4-Dichlorobenzene	ND	0.5	ug/L						
1,1-Dichloroethane	ND	0.5	ug/L						
1,2-Dichloroethane	ND	0.5	ug/L						
1,1-Dichloroethylene	ND	0.5	ug/L						
cis-1,2-Dichloroethylene	ND	0.5	ug/L						
trans-1,2-Dichloroethylene	ND	0.5	ug/L						
1,2-Dichloropropane	ND	0.5	ug/L						
cis-1,3-Dichloropropylene	ND	0.5	ug/L						
trans-1,3-Dichloropropylene	ND	0.5	ug/L						
1,3-Dichloropropene, total	ND	0.5	ug/L						
Ethylbenzene	ND	0.5	ug/L						
Ethylene dibromide (dibromoethane	ND	0.2	ug/L						
Hexane	ND	1.0	ug/L						
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L						
Methyl Isobutyl Ketone	ND	5.0	ug/L						
Methyl tert-butyl ether	ND	2.0	ug/L						
Methylene Chloride	ND	5.0	ug/L						
Styrene	ND	0.5	ug/L						
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L						
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L						
Tetrachloroethylene	ND	0.5	ug/L						
Toluene	ND	0.5	ug/L						
1,1,1-Trichloroethane	ND	0.5	ug/L						
1,1,2-Trichloroethane	ND	0.5	ug/L						
Trichloroethylene	ND	0.5	ug/L						
Trichlorofluoromethane	ND	1.0	ug/L						
Vinyl chloride	ND	0.5	ug/L						
m,p-Xylenes	ND	0.5	ug/L						
o-Xylene	ND	0.5	ug/L						
Xylenes, total	ND	0.5	ug/L						
Surrogate: 4-Bromofluorobenzene	*32.6*		*ug/L*		*102*	*50-140*			
Surrogate: Dibromofluoromethane	*42.0*		*ug/L*		*131*	*50-140*			
Surrogate: Toluene-d8	*41.3*		*ug/L*		*129*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	25	ug/L	ND				30	
Volatiles									
Acetone	ND	5.0	ug/L	ND				30	
Benzene	ND	0.5	ug/L	ND			0.0	30	
Bromodichloromethane	11.8	0.5	ug/L	11.1			6.5	30	
Bromoform	ND	0.5	ug/L	ND			0.0	30	
Bromomethane	ND	0.5	ug/L	ND			0.0	30	
Carbon Tetrachloride	ND	0.2	ug/L	ND			0.0	30	
Chlorobenzene	ND	0.5	ug/L	ND				30	
Chloroform	36.9	0.5	ug/L	30.4			19.2	30	
Dibromochloromethane	5.13	0.5	ug/L	4.22			19.5	30	
Dichlorodifluoromethane	ND	1.0	ug/L	ND				30	
1,2-Dichlorobenzene	ND	0.5	ug/L	ND				30	
1,3-Dichlorobenzene	ND	0.5	ug/L	ND				30	
1,4-Dichlorobenzene	ND	0.5	ug/L	ND				30	
1,1-Dichloroethane	ND	0.5	ug/L	ND				30	
1,2-Dichloroethane	ND	0.5	ug/L	ND			0.0	30	
1,1-Dichloroethylene	ND	0.5	ug/L	ND			0.0	30	
cis-1,2-Dichloroethylene	ND	0.5	ug/L	ND				30	
trans-1,2-Dichloroethylene	ND	0.5	ug/L	ND				30	
1,2-Dichloropropane	ND	0.5	ug/L	ND				30	
cis-1,3-Dichloropropylene	ND	0.5	ug/L	ND			0.0	30	
trans-1,3-Dichloropropylene	ND	0.5	ug/L	ND				30	
Ethylbenzene	ND	0.5	ug/L	ND			0.0	30	
Ethylene dibromide (dibromoethane	ND	0.2	ug/L	ND			0.0	30	
Hexane	ND	1.0	ug/L	ND				30	
Methyl Ethyl Ketone (2-Butanone)	ND	5.0	ug/L	ND			0.0	30	
Methyl Isobutyl Ketone	ND	5.0	ug/L	ND			0.0	30	
Methyl tert-butyl ether	ND	2.0	ug/L	ND			0.0	30	
Methylene Chloride	ND	5.0	ug/L	ND				30	
Styrene	ND	0.5	ug/L	ND			0.0	30	
1,1,1,2-Tetrachloroethane	ND	0.5	ug/L	ND				30	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	ND				30	
Tetrachloroethylene	ND	0.5	ug/L	ND				30	
Toluene	ND	0.5	ug/L	ND			0.0	30	
1,1,1-Trichloroethane	ND	0.5	ug/L	ND				30	
1,1,2-Trichloroethane	ND	0.5	ug/L	ND			0.0	30	
Trichloroethylene	ND	0.5	ug/L	ND				30	
Trichlorofluoromethane	ND	1.0	ug/L	ND			0.0	30	
Vinyl chloride	ND	0.5	ug/L	ND				30	
m,p-Xylenes	ND	0.5	ug/L	ND				30	
o-Xylene	ND	0.5	ug/L	ND				30	
Surrogate: 4-Bromofluorobenzene	*33.0*		*ug/L*		*103*	*50-140*			
Surrogate: Dibromofluoromethane	*43.0*		*ug/L*		*134*	*50-140*			
Surrogate: Toluene-d8	*37.0*		*ug/L*		*116*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	1770	25	ug/L		88.6	68-117			
F2 PHCs (C10-C16)	1250	100	ug/L		78.1	60-140			
F3 PHCs (C16-C34)	3360	100	ug/L		85.8	60-140			
F4 PHCs (C34-C50)	2060	100	ug/L		82.9	60-140			
Volatiles									
Acetone	126	5.0	ug/L		126	50-140			
Benzene	43.5	0.5	ug/L		109	60-130			
Bromodichloromethane	45.8	0.5	ug/L		114	60-130			
Bromoform	44.4	0.5	ug/L		111	60-130			
Bromomethane	42.5	0.5	ug/L		106	50-140			
Carbon Tetrachloride	47.9	0.2	ug/L		120	60-130			
Chlorobenzene	39.4	0.5	ug/L		98.4	60-130			
Chloroform	49.2	0.5	ug/L		123	60-130			
Dibromochloromethane	43.3	0.5	ug/L		108	60-130			
Dichlorodifluoromethane	41.4	1.0	ug/L		104	50-140			
1,2-Dichlorobenzene	36.7	0.5	ug/L		91.8	60-130			
1,3-Dichlorobenzene	36.3	0.5	ug/L		90.8	60-130			
1,4-Dichlorobenzene	34.9	0.5	ug/L		87.3	60-130			
1,1-Dichloroethane	48.3	0.5	ug/L		121	60-130			
1,2-Dichloroethane	41.5	0.5	ug/L		104	60-130			
1,1-Dichloroethylene	44.3	0.5	ug/L		111	60-130			
cis-1,2-Dichloroethylene	40.0	0.5	ug/L		100	60-130			
trans-1,2-Dichloroethylene	47.0	0.5	ug/L		118	60-130			
1,2-Dichloropropane	48.7	0.5	ug/L		122	60-130			
cis-1,3-Dichloropropylene	25.7	0.5	ug/L		64.2	60-130			
trans-1,3-Dichloropropylene	43.6	0.5	ug/L		109	60-130			
Ethylbenzene	32.1	0.5	ug/L		80.4	60-130			
Ethylene dibromide (dibromoethane	42.5	0.2	ug/L		106	60-130			
Hexane	34.2	1.0	ug/L		85.4	60-130			
Methyl Ethyl Ketone (2-Butanone)	128	5.0	ug/L		128	50-140			
Methyl Isobutyl Ketone	120	5.0	ug/L		120	50-140			
Methyl tert-butyl ether	126	2.0	ug/L		126	50-140			
Methylene Chloride	46.6	5.0	ug/L		117	60-130			
Styrene	29.7	0.5	ug/L		74.2	60-130			
1,1,1,2-Tetrachloroethane	40.3	0.5	ug/L		101	60-130			
1,1,2,2-Tetrachloroethane	24.5	0.5	ug/L		61.2	60-130			
Tetrachloroethylene	42.3	0.5	ug/L		106	60-130			
Toluene	41.6	0.5	ug/L		104	60-130			
1,1,1-Trichloroethane	45.6	0.5	ug/L		114	60-130			
1,1,2-Trichloroethane	39.1	0.5	ug/L		97.6	60-130			
Trichloroethylene	48.3	0.5	ug/L		121	60-130			
Trichlorofluoromethane	38.3	1.0	ug/L		95.8	60-130			
Vinyl chloride	46.2	0.5	ug/L		116	50-140			
m,p-Xylenes	83.7	0.5	ug/L		105	60-130			
o-Xylene	35.9	0.5	ug/L		89.7	60-130			
Surrogate: 4-Bromofluorobenzene	*19.5*		*ug/L*		*61.0*	*50-140*			

Qualifier Notes:

Login Qualifiers :

Sample - Received with >5% sediment, instructed to perform whole bottle extraction (analyze with sediment)
Applies to samples: GW1, GW2

Sample Qualifiers :

1 : Elevated detection limit due to dilution required because of high target analyte concentration.

3 : Water sample included significant amount of sediment, which was included in extraction process. This is expected to result in reduced accuracy of the reported result.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

PARACEL LABORATORIES LTD.

PARACEL WO: 1922533

TAT R R

Head Office
300-2319 St. Laurent Blvd.
Ottawa, Ontario K1G 4J8
p: 1-800-749-1947
e: paracel@paracellabs.com

Chain of Custody
(Lab Use Only)
№ 122014

Page 1 of 1

Client Name: LRL Associates Ltd.	Project Reference: 130619	**Turnaround Time:**
Contact Name: Geneviève Marceau	Quote #	☐ 1 Day ☐ 3 Day
Address: 5430 Canotek Rd. Ottawa, ON K1J 9G2	PO #	☐ 2 Day ☒ Regular
Telephone: 613-842-3434	Email Address: gmarceau@lrl.ca	Date Required:

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☐ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: ☐ Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Paracel Order Number: 1922533

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)						
1	GW1	GW		3	MAY 22/19	PM	X	X											
2	GW2				MAY 23/19	AM													
3	MW3 ✓				MAY 26/19	AM													
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Comments: No. 3 Sample date on 3 PHC + BTEX + VOCs read 2. MAY 27, 2019.

Method of Delivery: Paracel

Relinquished By (Sign): Valerie Weisflock	Received by Driver/Depot: T. LOUIE	Received at Lab: Shreeram Bhimani	Verified By:
Relinquished By (Print): Valerie Weisflock	Date/Time: 30/05/19 1:10 PM	Date/Time: May 30, 2019 02:45	Date/Time: 05-30-19 16:55
Date/Time: MAY 30/19 @ 11:00 AM	Temperature: °C	Temperature: 12.2 °C	pH Verified ☐ By:

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Certificate of Analysis

LRL Associates Ltd.

5430 Canotek Road
Ottawa, ON K1J 9G2
Attn: Jessica Arthurs

Client PO:
Project: 130619
Custody: 47620

Report Date: 7-Jun-2019
Order Date: 3-Jun-2019

Order #: 1923055

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
1923055-01	P37
1923055-02	P28
1923055-03	P2
1923055-04	P8
1923055-05	P5
1923055-06	P14
1923055-07	P22
1923055-08	P34
1923055-09	P40
1923055-10	P26

Approved By:

Mark Foto, M.Sc.
Lab Supervisor

Any use of these results implies your agreement that our total liabilty in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
BTEX by P&T GC-MS	EPA 8260 - P&T GC-MS	6-Jun-19	6-Jun-19
Metals, ICP-OES	based on MOE E3470, ICP-OES	5-Jun-19	5-Jun-19
PHC F1	CWS Tier 1 - P&T GC-FID	6-Jun-19	6-Jun-19
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	3-Jun-19	6-Jun-19
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	6-Jun-19	6-Jun-19
Solids, %	Gravimetric, calculation	5-Jun-19	5-Jun-19

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

	Client ID:	P37	P28	P2	P8
	Sample Date:	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00
	Sample ID:	1923055-01	1923055-02	1923055-03	1923055-04
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	83.9	96.3	86.9	97.4
Metals					
Lead	1.0 ug/g dry	6.9	-	8.2	-
Volatiles					
Acetone	0.50 ug/g dry	<0.50	-	<0.50	-
Benzene	0.02 ug/g dry	<0.02	-	<0.02	-
Bromodichloromethane	0.05 ug/g dry	<0.05	-	<0.05	-
Bromoform	0.05 ug/g dry	<0.05	-	<0.05	-
Bromomethane	0.05 ug/g dry	<0.05	-	<0.05	-
Carbon Tetrachloride	0.05 ug/g dry	<0.05	-	<0.05	-
Chlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
Chloroform	0.05 ug/g dry	<0.05	-	<0.05	-
Dibromochloromethane	0.05 ug/g dry	<0.05	-	<0.05	-
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	-	<0.05	-
1,1-Dichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,2-Dichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
1,2-Dichloropropane	0.05 ug/g dry	<0.05	-	<0.05	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	<0.05	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	<0.05	-
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	-	<0.05	-
Ethylbenzene	0.05 ug/g dry	<0.05	-	<0.05	-
Ethylene dibromide (dibromoethan	0.05 ug/g dry	<0.05	-	<0.05	-
Hexane	0.05 ug/g dry	<0.05	-	<0.05	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	-	<0.50	-
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	-	<0.50	-
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	-	<0.05	-
Methylene Chloride	0.05 ug/g dry	<0.05	-	<0.05	-
Styrene	0.05 ug/g dry	<0.05	-	<0.05	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	<0.05	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

	Client ID:	P37	P28	P2	P8
	Sample Date:	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00
	Sample ID:	1923055-01	1923055-02	1923055-03	1923055-04
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
Tetrachloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
Toluene	0.05 ug/g dry	<0.05	-	<0.05	-
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	-	<0.05	-
Trichloroethylene	0.05 ug/g dry	<0.05	-	<0.05	-
Trichlorofluoromethane	0.05 ug/g dry	<0.05	-	<0.05	-
Vinyl chloride	0.02 ug/g dry	<0.02	-	<0.02	-
m,p-Xylenes	0.05 ug/g dry	<0.05	-	<0.05	-
o-Xylene	0.05 ug/g dry	<0.05	-	<0.05	-
Xylenes, total	0.05 ug/g dry	<0.05	-	<0.05	-
4-Bromofluorobenzene	Surrogate	119%	-	119%	-
Dibromofluoromethane	Surrogate	96.9%	-	99.2%	-
Toluene-d8	Surrogate	101%	-	101%	-
Benzene	0.02 ug/g dry	-	<0.02	-	<0.02
Ethylbenzene	0.05 ug/g dry	-	<0.05	-	<0.05
Toluene	0.05 ug/g dry	-	<0.05	-	<0.05
m,p-Xylenes	0.05 ug/g dry	-	<0.05	-	<0.05
o-Xylene	0.05 ug/g dry	-	<0.05	-	<0.05
Xylenes, total	0.05 ug/g dry	-	<0.05	-	<0.05
Toluene-d8	Surrogate	-	97.3%	-	96.3%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	<8	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

	Client ID:	P5	P14	P22	P34
	Sample Date:	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00
	Sample ID:	1923055-05	1923055-06	1923055-07	1923055-08
	MDL/Units	Soil	Soil	Soil	Soil
Physical Characteristics					
% Solids	0.1 % by Wt.	86.5	89.7	95.4	82.2
Metals					
Lead	1.0 ug/g dry	-	7.1	-	-
Volatiles					
Acetone	0.50 ug/g dry	-	<0.50	-	-
Benzene	0.02 ug/g dry	-	<0.02	-	-
Bromodichloromethane	0.05 ug/g dry	-	<0.05	-	-
Bromoform	0.05 ug/g dry	-	<0.05	-	-
Bromomethane	0.05 ug/g dry	-	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g dry	-	<0.05	-	-
Chlorobenzene	0.05 ug/g dry	-	<0.05	-	-
Chloroform	0.05 ug/g dry	-	<0.05	-	-
Dibromochloromethane	0.05 ug/g dry	-	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g dry	-	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g dry	-	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g dry	-	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g dry	-	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g dry	-	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g dry	-	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g dry	-	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	-	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	-	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g dry	-	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	-	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	-	<0.05	-	-
1,3-Dichloropropene, total	0.05 ug/g dry	-	<0.05	-	-
Ethylbenzene	0.05 ug/g dry	-	<0.05	-	-
Ethylene dibromide (dibromoethar	0.05 ug/g dry	-	<0.05	-	-
Hexane	0.05 ug/g dry	-	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	-	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g dry	-	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g dry	-	<0.05	-	-
Methylene Chloride	0.05 ug/g dry	-	<0.05	-	-
Styrene	0.05 ug/g dry	-	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	-	<0.05	-	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

	Client ID:	P5	P14	P22	P34
	Sample Date:	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00	03-Jun-19 09:00
	Sample ID:	1923055-05	1923055-06	1923055-07	1923055-08
	MDL/Units	Soil	Soil	Soil	Soil
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	-	<0.05	-	-
Tetrachloroethylene	0.05 ug/g dry	-	<0.05	-	-
Toluene	0.05 ug/g dry	-	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g dry	-	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g dry	-	<0.05	-	-
Trichloroethylene	0.05 ug/g dry	-	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g dry	-	<0.05	-	-
Vinyl chloride	0.02 ug/g dry	-	<0.02	-	-
m,p-Xylenes	0.05 ug/g dry	-	<0.05	-	-
o-Xylene	0.05 ug/g dry	-	<0.05	-	-
Xylenes, total	0.05 ug/g dry	-	<0.05	-	-
4-Bromofluorobenzene	Surrogate	-	117%	-	-
Dibromofluoromethane	Surrogate	-	97.1%	-	-
Toluene-d8	Surrogate	-	101%	-	-
Benzene	0.02 ug/g dry	<0.02	-	<0.02	<0.02
Ethylbenzene	0.05 ug/g dry	<0.05	-	<0.05	<0.05
Toluene	0.05 ug/g dry	<0.05	-	<0.05	<0.05
m,p-Xylenes	0.05 ug/g dry	<0.05	-	<0.05	<0.05
o-Xylene	0.05 ug/g dry	<0.05	-	<0.05	<0.05
Xylenes, total	0.05 ug/g dry	<0.05	-	<0.05	<0.05
Toluene-d8	Surrogate	95.4%	-	96.6%	95.2%
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	<7	<7
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	<4	<4
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	14	<8
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	<6	<6

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

	Client ID:	P40	P26	-	-
	Sample Date:	03-Jun-19 09:00	03-Jun-19 09:00	-	-
	Sample ID:	1923055-09	1923055-10	-	-
	MDL/Units	Soil	Soil	-	-
Physical Characteristics					
% Solids	0.1 % by Wt.	88.2	84.0	-	-
Metals					
Lead	1.0 ug/g dry	9.0	-	-	-
Volatiles					
Acetone	0.50 ug/g dry	<0.50	-	-	-
Benzene	0.02 ug/g dry	<0.02	-	-	-
Bromodichloromethane	0.05 ug/g dry	<0.05	-	-	-
Bromoform	0.05 ug/g dry	<0.05	-	-	-
Bromomethane	0.05 ug/g dry	<0.05	-	-	-
Carbon Tetrachloride	0.05 ug/g dry	<0.05	-	-	-
Chlorobenzene	0.05 ug/g dry	<0.05	-	-	-
Chloroform	0.05 ug/g dry	<0.05	-	-	-
Dibromochloromethane	0.05 ug/g dry	<0.05	-	-	-
Dichlorodifluoromethane	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,3-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,4-Dichlorobenzene	0.05 ug/g dry	<0.05	-	-	-
1,1-Dichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,1-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g dry	<0.05	-	-	-
1,2-Dichloropropane	0.05 ug/g dry	<0.05	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g dry	<0.05	-	-	-
1,3-Dichloropropene, total	0.05 ug/g dry	<0.05	-	-	-
Ethylbenzene	0.05 ug/g dry	<0.05	-	-	-
Ethylene dibromide (dibromoethar	0.05 ug/g dry	<0.05	-	-	-
Hexane	0.05 ug/g dry	<0.05	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g dry	<0.50	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g dry	<0.50	-	-	-
Methyl tert-butyl ether	0.05 ug/g dry	<0.05	-	-	-
Methylene Chloride	0.05 ug/g dry	<0.05	-	-	-
Styrene	0.05 ug/g dry	<0.05	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	-	-

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

	Client ID:	P40	P26	-	-
	Sample Date:	03-Jun-19 09:00	03-Jun-19 09:00	-	-
	Sample ID:	1923055-09	1923055-10	-	-
	MDL/Units	Soil	Soil	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g dry	<0.05	-	-	-
Tetrachloroethylene	0.05 ug/g dry	<0.05	-	-	-
Toluene	0.05 ug/g dry	<0.05	-	-	-
1,1,1-Trichloroethane	0.05 ug/g dry	<0.05	-	-	-
1,1,2-Trichloroethane	0.05 ug/g dry	<0.05	-	-	-
Trichloroethylene	0.05 ug/g dry	<0.05	-	-	-
Trichlorofluoromethane	0.05 ug/g dry	<0.05	-	-	-
Vinyl chloride	0.02 ug/g dry	<0.02	-	-	-
m,p-Xylenes	0.05 ug/g dry	<0.05	-	-	-
o-Xylene	0.05 ug/g dry	<0.05	-	-	-
Xylenes, total	0.05 ug/g dry	<0.05	-	-	-
4-Bromofluorobenzene	Surrogate	119%	-	-	-
Dibromofluoromethane	Surrogate	98.6%	-	-	-
Toluene-d8	Surrogate	95.5%	-	-	-
Benzene	0.02 ug/g dry	-	<0.02	-	-
Ethylbenzene	0.05 ug/g dry	-	<0.05	-	-
Toluene	0.05 ug/g dry	-	<0.05	-	-
m,p-Xylenes	0.05 ug/g dry	-	<0.05	-	-
o-Xylene	0.05 ug/g dry	-	<0.05	-	-
Xylenes, total	0.05 ug/g dry	-	<0.05	-	-
Toluene-d8	Surrogate	-	96.9%	-	-
Hydrocarbons					
F1 PHCs (C6-C10)	7 ug/g dry	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g dry	<4	<4	-	-
F3 PHCs (C16-C34)	8 ug/g dry	<8	<8	-	-
F4 PHCs (C34-C50)	6 ug/g dry	<6	<6	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g						
F2 PHCs (C10-C16)	ND	4	ug/g						
F3 PHCs (C16-C34)	ND	8	ug/g						
F4 PHCs (C34-C50)	ND	6	ug/g						
Metals									
Lead	ND	1.0	ug/g						
Volatiles									
Acetone	ND	0.50	ug/g						
Benzene	ND	0.02	ug/g						
Bromodichloromethane	ND	0.05	ug/g						
Bromoform	ND	0.05	ug/g						
Bromomethane	ND	0.05	ug/g						
Carbon Tetrachloride	ND	0.05	ug/g						
Chlorobenzene	ND	0.05	ug/g						
Chloroform	ND	0.05	ug/g						
Dibromochloromethane	ND	0.05	ug/g						
Dichlorodifluoromethane	ND	0.05	ug/g						
1,2-Dichlorobenzene	ND	0.05	ug/g						
1,3-Dichlorobenzene	ND	0.05	ug/g						
1,4-Dichlorobenzene	ND	0.05	ug/g						
1,1-Dichloroethane	ND	0.05	ug/g						
1,2-Dichloroethane	ND	0.05	ug/g						
1,1-Dichloroethylene	ND	0.05	ug/g						
cis-1,2-Dichloroethylene	ND	0.05	ug/g						
trans-1,2-Dichloroethylene	ND	0.05	ug/g						
1,2-Dichloropropane	ND	0.05	ug/g						
cis-1,3-Dichloropropylene	ND	0.05	ug/g						
trans-1,3-Dichloropropylene	ND	0.05	ug/g						
1,3-Dichloropropene, total	ND	0.05	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Ethylene dibromide (dibromoethane	ND	0.05	ug/g						
Hexane	ND	0.05	ug/g						
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g						
Methyl Isobutyl Ketone	ND	0.50	ug/g						
Methyl tert-butyl ether	ND	0.05	ug/g						
Methylene Chloride	ND	0.05	ug/g						
Styrene	ND	0.05	ug/g						
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g						
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g						
Tetrachloroethylene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
1,1,1-Trichloroethane	ND	0.05	ug/g						
1,1,2-Trichloroethane	ND	0.05	ug/g						
Trichloroethylene	ND	0.05	ug/g						
Trichlorofluoromethane	ND	0.05	ug/g						
Vinyl chloride	ND	0.02	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						
Surrogate: 4-Bromofluorobenzene	*8.58*		*ug/g*		*107*	*50-140*			
Surrogate: Dibromofluoromethane	*7.83*		*ug/g*		*97.8*	*50-140*			
Surrogate: Toluene-d8	*7.32*		*ug/g*		*91.5*	*50-140*			
Benzene	ND	0.02	ug/g						
Ethylbenzene	ND	0.05	ug/g						
Toluene	ND	0.05	ug/g						
m,p-Xylenes	ND	0.05	ug/g						
o-Xylene	ND	0.05	ug/g						
Xylenes, total	ND	0.05	ug/g						

Certificate of Analysis
Client: LRL Associates Ltd.
Client PO:

Report Date: 07-Jun-2019
Order Date: 3-Jun-2019
Project Description: 130619

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*7.32*		*ug/g*		*91.5*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g dry	ND				40	
F2 PHCs (C10-C16)	ND	4	ug/g dry	ND				30	
F3 PHCs (C16-C34)	ND	8	ug/g dry	ND				30	
F4 PHCs (C34-C50)	ND	6	ug/g dry	ND				30	
Metals									
Lead	2.40	1.0	ug/g dry	1.65			37.1	30	QR-05
Physical Characteristics									
% Solids	89.9	0.1	% by Wt.	89.5			0.4	25	
Volatiles									
Acetone	ND	0.50	ug/g dry	ND				50	
Benzene	ND	0.02	ug/g dry	ND				50	
Bromodichloromethane	ND	0.05	ug/g dry	ND				50	
Bromoform	ND	0.05	ug/g dry	ND				50	
Bromomethane	ND	0.05	ug/g dry	ND				50	
Carbon Tetrachloride	ND	0.05	ug/g dry	ND				50	
Chlorobenzene	ND	0.05	ug/g dry	ND				50	
Chloroform	ND	0.05	ug/g dry	ND				50	
Dibromochloromethane	ND	0.05	ug/g dry	ND				50	
Dichlorodifluoromethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,3-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,4-Dichlorobenzene	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,2-Dichloroethane	ND	0.05	ug/g dry	ND				50	
1,1-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g dry	ND				50	
1,2-Dichloropropane	ND	0.05	ug/g dry	ND				50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Ethylene dibromide (dibromoethane	ND	0.05	ug/g dry	ND				50	
Hexane	ND	0.05	ug/g dry	ND				50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g dry	ND				50	
Methyl Isobutyl Ketone	ND	0.50	ug/g dry	ND				50	
Methyl tert-butyl ether	ND	0.05	ug/g dry	ND				50	
Methylene Chloride	ND	0.05	ug/g dry	ND				50	
Styrene	ND	0.05	ug/g dry	ND				50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g dry	ND				50	
Tetrachloroethylene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
1,1,1-Trichloroethane	ND	0.05	ug/g dry	ND				50	
1,1,2-Trichloroethane	ND	0.05	ug/g dry	ND				50	
Trichloroethylene	ND	0.05	ug/g dry	ND				50	
Trichlorofluoromethane	ND	0.05	ug/g dry	ND				50	
Vinyl chloride	ND	0.02	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	
o-Xylene	ND	0.05	ug/g dry	ND				50	
Surrogate: 4-Bromofluorobenzene	*9.13*		*ug/g dry*		*95.7*	*50-140*			
Surrogate: Dibromofluoromethane	*9.50*		*ug/g dry*		*99.5*	*50-140*			
Surrogate: Toluene-d8	*9.09*		*ug/g dry*		*95.3*	*50-140*			
Benzene	ND	0.02	ug/g dry	ND				50	
Ethylbenzene	ND	0.05	ug/g dry	ND				50	
Toluene	ND	0.05	ug/g dry	ND				50	
m,p-Xylenes	ND	0.05	ug/g dry	ND				50	
o-Xylene	ND	0.05	ug/g dry	ND				50	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*9.09*		*ug/g dry*		*95.3*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	196	7	ug/g		98.0	80-120			
F2 PHCs (C10-C16)	89	4	ug/g	ND	93.0	60-140			
F3 PHCs (C16-C34)	237	8	ug/g	ND	101	60-140			
F4 PHCs (C34-C50)	161	6	ug/g	ND	109	60-140			
Metals									
Lead	272		ug/L	33.0	95.5	70-130			
Volatiles									
Acetone	11.2	0.50	ug/g		112	50-140			
Benzene	3.31	0.02	ug/g		82.7	60-130			
Bromodichloromethane	3.10	0.05	ug/g		77.4	60-130			
Bromoform	4.72	0.05	ug/g		118	60-130			
Bromomethane	4.27	0.05	ug/g		107	50-140			
Carbon Tetrachloride	3.37	0.05	ug/g		84.4	60-130			
Chlorobenzene	3.99	0.05	ug/g		99.6	60-130			
Chloroform	3.43	0.05	ug/g		85.8	60-130			
Dibromochloromethane	4.05	0.05	ug/g		101	60-130			
Dichlorodifluoromethane	4.55	0.05	ug/g		114	50-140			
1,2-Dichlorobenzene	4.28	0.05	ug/g		107	60-130			
1,3-Dichlorobenzene	3.99	0.05	ug/g		99.8	60-130			
1,4-Dichlorobenzene	4.05	0.05	ug/g		101	60-130			
1,1-Dichloroethane	3.22	0.05	ug/g		80.5	60-130			
1,2-Dichloroethane	2.97	0.05	ug/g		74.3	60-130			
1,1-Dichloroethylene	3.28	0.05	ug/g		82.1	60-130			
cis-1,2-Dichloroethylene	3.77	0.05	ug/g		94.1	60-130			
trans-1,2-Dichloroethylene	2.80	0.05	ug/g		69.9	60-130			
1,2-Dichloropropane	2.99	0.05	ug/g		74.7	60-130			
cis-1,3-Dichloropropylene	2.67	0.05	ug/g		66.8	60-130			
trans-1,3-Dichloropropylene	3.08	0.05	ug/g		77.0	60-130			
Ethylbenzene	3.77	0.05	ug/g		94.2	60-130			
Ethylene dibromide (dibromoethane	3.96	0.05	ug/g		99.1	60-130			
Hexane	3.01	0.05	ug/g		75.2	60-130			
Methyl Ethyl Ketone (2-Butanone)	9.22	0.50	ug/g		92.2	50-140			
Methyl Isobutyl Ketone	6.80	0.50	ug/g		68.0	50-140			
Methyl tert-butyl ether	7.91	0.05	ug/g		79.1	50-140			
Methylene Chloride	2.87	0.05	ug/g		71.8	60-130			
Styrene	3.96	0.05	ug/g		99.1	60-130			
1,1,1,2-Tetrachloroethane	3.75	0.05	ug/g		93.8	60-130			
1,1,2,2-Tetrachloroethane	3.76	0.05	ug/g		94.0	60-130			
Tetrachloroethylene	4.87	0.05	ug/g		122	60-130			
Toluene	3.61	0.05	ug/g		90.3	60-130			
1,1,1-Trichloroethane	3.45	0.05	ug/g		86.2	60-130			
1,1,2-Trichloroethane	2.92	0.05	ug/g		72.9	60-130			
Trichloroethylene	2.89	0.05	ug/g		72.1	60-130			
Trichlorofluoromethane	2.93	0.05	ug/g		73.2	50-140			
Vinyl chloride	5.15	0.02	ug/g		129	50-140			
m,p-Xylenes	7.98	0.05	ug/g		99.7	60-130			
o-Xylene	3.71	0.05	ug/g		92.8	60-130			
Surrogate: 4-Bromofluorobenzene	*9.06*		*ug/g*		*113*	*50-140*			
Benzene	3.31	0.02	ug/g		82.7	60-130			
Ethylbenzene	3.77	0.05	ug/g		94.2	60-130			
Toluene	3.61	0.05	ug/g		90.3	60-130			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
m,p-Xylenes	7.98	0.05	ug/g		99.7	60-130			
o-Xylene	3.71	0.05	ug/g		92.8	60-130			

Qualifier Notes:

Login Qualifiers :

Sample - F1/BTEX/VOCs (soil) not submitted according to Reg. 153/04, Amended 2011 - not field preserved
Applies to samples: P5, P14, P34, P26

QC Qualifiers :

QR-05 : Duplicate RPDs higher than normally accepted. Remaining batch QA\QC was acceptable. May be sample effect.

Sample Data Revisions

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable
ND: Not Detected
MDL: Method Detection Limit
Source Result: Data used as source for matrix and duplicate samples
%REC: Percent recovery.
RPD: Relative percent difference.

Soil results are reported on a dry weight basis when the units are denoted with 'dry'.
Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

PARACEL LABORATORIES LTD.

Paracel ID: 1923055

Office
19 St. Laurent Blvd.
, Ontario K1G 4J8
0-749-1947
cel@paracellabs.com

Chain of Custody
(Lab Use Only)
№ 47620

Page 1 of 1

Client Name: LRL Associates ltd.	Project Reference: 130619	**Turnaround Time:**
Contact Name: Jessica Arthurs	Quote #	☐ 1 Day ☐ 3 Day
Address: 5430 Canotek Road Ottawa, Ontario K1J9G2	PO #	☐ 2 Day ☒ Regular
Telephone: 613-842-3434	Email Address: jarthurs@lrl.ca	Date Required:

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☐ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: ☐ Other:

Matrix Type: S (Soil Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Paracel Order Number: 1923055

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHC	VOC	BTEX	Lead	Required Analyses
1	P37	S		2	19/June/3	AM	X	X	X	X	120 ml + 1 vial
2	P28			2					X		120 ml
3	P2			2				X		X	120 ml
4	P8			2							120 ml
5	P5			1							120 ml
6	P14			1				X		X	120 ml
7	P22			2							120 ml + 1 vial
8	P34			1							120 ml
9	P40			2				X		X	120 ml + 1 vial
10	P26			1							120 ml

Comments: Intake/lab Methanol Vial Prep for Sample P5/14/34 & 26

Method of Delivery: Walk in

Relinquished By (Sign): Jessica Arthurs	Received by Driver/Depot:	Received at Lab: Kim Stewart	Verified By: D Gamey
Relinquished By (Print): Jessica Arthurs	Date/Time:	Date/Time: 3 June 19 10:57	Date/Time: 3 June 19 1325
Date/Time: 2019/June/3 10:57	Temperature: °C	Temperature: 18.9 °C	pH Verified ☐ By:

APPENDIX B
Phase II ESA Borehole Logs

Borehole Log: MW1

Project No.: 130619 | **Project:** Phase II Environmental Site Assessment

Client: Mr. Gas Ltd. | **Location:** 5899 Hazeldean Road, Ottawa (Stittsville), Ontario

Date: September 5, 2013 | **Field Personnel:** J.A.

Driller: George Downing Estate Drilling Ltd. | **Drilling Equipment:** Truckmount CME55 | **Drilling Method:** Hollow Stem Auger

Depth (ft / m)	Soil Description	Elev./Depth (m)	Type	Sample Number	N or RQD (%)	Recovery (%)	Laboratory Analysis	Combustible Soil Vapours (% LEL / ppm)
0.0 / 0.0	Ground Surface	100.63						
	Pavement Structure 30 mm of asphalt over granular crushed stone.	0.00						
1.0	**Silty Sand** Fine-grained, brown, compact, dry, traces of stones.			1	15	73		<0.1
2.0		100.03 0.60						
	Till Fine to medium-grained silty sand, traces of gravel, presence of stones, brown, compact to dense, dry to moist.			2	49	36		<0.1
1.0 / 3.0								
4.0				3	50	75		<0.1
5.0								
2.0 / 6.0								
7.0				4	163	58		<0.1
8.0								
9.0				5	100	83		<0.1
3.0 / 10.0								
11.0								
12.0				6	50R	38	BTEX PHC	<0.1
13.0 / 4.0		96.56 4.07						
	End of Borehole upon refusal over inferred bedrock							
14.0								

Monitoring Well Details: 3.7 m (06-Sept-13)

Easting: 0427773 | **Northing:** 5014249

Site Datum: Top of storm catch basin at southeast portion of the Site (100.00 m).

Groundsurface Elevation: 100.63 m | **Top of Riser Elev.:** 100.54 m

Hole Diameter: 203 mm | **Monitoring Well Diameter:** 31 mm

NOTES

Groundwater sample collected September 6, 2013 was submitted for laboratory analysis of BTEX and PHC parameters.

Borehole Log: BH2

Project No.: 130619
Project: Phase II Environmental Site Assessment
Client: Mr. Gas Ltd.
Location: 5899 Hazeldean Road, Ottawa (Stittsville), Ontario
Date: September 5, 2013
Field Personnel: J.A.

Driller: George Downing Estate Drilling Ltd.
Drilling Equipment: Truckmount CME55
Drilling Method: Hollow Stem Auger

Depth (ft / m)	Soil Description	Elev./Depth (m)	Type	Sample Number	N or RQD (%)	Recovery (%)	Laboratory Analysis	Combustible Soil Vapours (% LEL / ppm)	Monitoring Well Details
0.0 / 0.0	Ground Surface	100.66							
	Pavement Structure 30 mm of asphalt over granular crushed stone.	0.00							
1.0	**Silty Sand** Fine-grained, brown, compact, dry, traces of stones.	100.06 0.60		7	13	42		<0.1	
2.0	**Till** Fine to medium-grained silty sand, traces of gravel, presence of stones, brown, compact to dense, dry to moist.								
3.0 / 1.0				8	19	80		<0.1	
4.0									
5.0				9	41	75		<0.1	
6.0 / 2.0									
7.0				10	61	100		<0.1	
8.0									
9.0				11	50R	35	BTEX PHC	<0.1	
10.0 / 3.0									
11.0		97.11 3.55							
12.0	End of Borehole upon refusal over inferred bedrock								
13.0 / 4.0									
14.0									

Combustible Soil Vapours: % LEL (10, 30, 50, 70, 90); ppm (200, 600, 1000, 1400, 1800)

Easting: 0427767
Northing: 5014242

Site Datum: Top of storm catch basin at southeast portion of the Site (100.00 m).

Groundsurface Elevation: 100.66 m
Top of Riser Elev.: n/a

Hole Diameter: 203 mm
Monitoring Well Diameter: n/a

NOTES

Borehole Log: MW3

Project No.: 130619 **Project:** Phase II Environmental Site Assessment

Client: Mr. Gas Ltd. **Location:** 5899 Hazeldean Road, Ottawa (Stittsville), Ontario

Date: September 5, 2013 **Field Personnel:** J.A.

Driller: George Downing Estate Drilling Ltd. **Drilling Equipment:** Truckmount CME55 **Drilling Method:** Hollow Stem Auger

Depth (ft / m)	Soil Description	Elev./Depth (m)	Type	Sample Number	N or RQD (%)	Recovery (%)	Laboratory Analysis	Combustible Soil Vapours (% LEL / ppm)
0.0 / 0.0	Ground Surface	100.25						
	Pavement Structure 30 mm of asphalt overgranular crushed stone.	0.00						
	Silty Sand Fine-grained, brown, compact, dry, traces of stones.	99.70		12	26	66		<0.1
2.0		0.55						
	Topsoil Silty loam, dark brown.	99.40						45.1
3.0		0.85		13/14	10	66		
1.0	**Till** Fine to medium-grained silty sand, traces of gravel, presence of stones, brown, compact to dense, dry to moist. **PHC odour between 0.8 and 2.5 m.**							36.4
4.0								
5.0				15	18	73		294
6.0								
2.0								
7.0								
8.0				16/17	50	100	BTEX PHC	825
								46.2
9.0								
10.0 / 3.0				18	50R	30		83.3
11.0								
12.0								
				19	50R	28		38.4
13.0 / 4.0	End of Borehole upon refusal over inferred bedrock	96.29						
14.0		3.96						

Combustible Soil Vapours: % LEL (10, 30, 50, 70, 90); ppm (200, 600, 1000, 1400, 1800)

Monitoring Well Details: DRY (06-Sept-13)

Easting: 0427788 **Northing:** 5014232

Site Datum: Top of storm catch basin at southeast portion of the Site (100.00 m).

Groundsurface Elevation: 100.25 m **Top of Riser Elev.:** 100.16 m

Hole Diameter: 203 mm **Monitoring Well Diameter:** 31 mm

NOTES

Borehole Log: BH4

Project No.: 130619
Project: Phase II Environmental Site Assessment
Client: Mr. Gas Ltd.
Location: 5899 Hazeldean Road, Ottawa (Stittsville), Ontario
Date: September 5, 2013
Field Personnel: J.A.

Driller: George Downing Estate Drilling Ltd.
Drilling Equipment: Truckmount CME55
Drilling Method: Hollow Stem Auger

SUBSURFACE PROFILE		SAMPLE DATA							
Depth (ft / m)	Soil Description	Elev./Depth (m)	Type	Sample Number	N or RQD (%)	Recovery (%)	Laboratory Analysis	Combustible Soil Vapours (% LEL / ppm)	Monitoring Well Details
0.0 / 0.0	Ground Surface	100.51							
	Pavement Structure 30 mm of asphalt over granular crushed stone.	0.00							
	Sand Medium to coarse-grained, brown, dense, dry, traces of stones and gravel, loam between 0.2 and 0.3 m.	99.91 0.60		20	42	46		<0.1	
1.0 / 1.0	**Till** Fine to medium-grained silty sand, traces of gravel, presence of stones, grey-brown, compact to dense, dry, traces of coarse-grained sand. **PHC odour between 0.7 and 1.5 m.**			21	12	62		12.8	
2.0 / 2.0				22	15	68		3.8	
				23	35	73	BTEX PHC	<0.1	
	End of Borehole	97.81 2.70							
3.0 / 3.0									
4.0 / 4.0									

Combustible Soil Vapours: % LEL (10, 30, 50, 70, 90); ppm (200, 600, 1000, 1400, 1800)

Easting: 0427792
Northing: 5014233

Site Datum: Top of storm catch basin at southeast portion of the Site (100.00 m).

Groundsurface Elevation: 100.51 m
Top of Riser Elev.: n/a

Hole Diameter: 203 mm
Monitoring Well Diameter: n/a

NOTES

Borehole Log: BH5

Project No.: 130619 | **Project:** Phase II Environmental Site Assessment

Client: Mr. Gas Ltd. | **Location:** 5899 Hazeldean Road, Ottawa (Stittsville), Ontario

Date: September 5, 2013 | **Field Personnel:** J.A.

Driller: George Downing Estate Drilling Ltd. | **Drilling Equipment:** Truckmount CME55 | **Drilling Method:** Hollow Stem Auger

Depth (ft / m)	Soil Description	Elev./Depth (m)	Type	Sample Number	N or RQD (%)	Recovery (%)	Laboratory Analysis	Combustible Soil Vapours (% LEL / ppm)	Monitoring Well Details
0.0 / 0.0	Ground Surface	100.72							
	Pavement Structure 30 mm of asphalt over granular crushed stone.	0.00							
	Sand Medium to coarse-grained, brown, dense, dry, traces of stones and gravel, loam between 0.2 and 0.3 m.	100.22 / 0.50		28	20	30		<0.1	
3.0 / 1.0	**Loam** Silty, dark brown.			29	8	46		<0.1	
	Till Fine to medium-grained silty sand, traces of gravel, presence of stones, grey-brown, compact to dense, dry.			30	46	67		<0.1	
7.0 / 2.0				31/32	71	73	BTEX PHC	0.2 / 0.5	
9.0 / 2.70	End of Borehole	98.02 / 2.70							
10.0 / 3.0									
13.0 / 4.0									
14.0									

Easting: 0427779 | **Northing:** 5014218

Site Datum: Top of storm catch basin at southeast portion of the Site (100.00 m).

Groundsurface Elevation: 100.72 m | **Top of Riser Elev.:** n/a

Hole Diameter: 203 mm | **Monitoring Well Diameter:** n/a

NOTES

Borehole Log: MW6

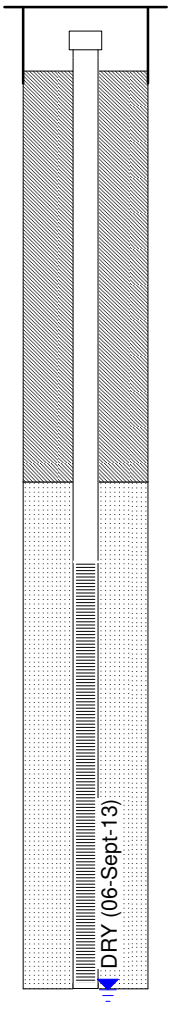
Project No.: 130619
Project: Phase II Environmental Site Assessment
Client: Mr. Gas Ltd.
Location: 5899 Hazeldean Road, Ottawa (Stittsville), Ontario
Date: September 5, 2013
Field Personnel: J.A.

Driller: George Downing Estate Drilling Ltd.
Drilling Equipment: Truckmount CME55
Drilling Method: Hollow Stem Auger

Depth (ft)	Depth (m)	Soil Description	Elev./Depth (m)	Type	Sample Number	N or RQD (%)	Recovery (%)	Laboratory Analysis	Combustible Soil Vapours (ppm)
0.0	0.0	Ground Surface	100.69						
		Pavement Structure 30 mm of asphalt over granular crushed stone.	0.00						
		Silty Sand Fine-grained, brown, compact, dry, traces of stones.	100.09						
			0.60						
		Till Fine to medium-grained silty sand, traces of gravel, presence of stones, grey-brown, compact to dense, dry.			24	18	38		1.8
					25	13	55		<0.1
					26	45	53	BTEX PHC	<0.1
					27	50R	36		1.6
						50R	0		<0.1
		End of Borehole upon refusal over inferred bedrock	96.97						
			3.72						

Combustible Soil Vapours: % LEL (10, 30, 50, 70, 90); ppm (200, 600, 1000, 1400, 1800)

Monitoring Well Details



Easting: 0427774
Northing: 5014223

Site Datum: Top of storm catch basin at southeast portion of the Site (100.00 m).

Groundsurface Elevation: 100.69 m
Top of Riser Elev.: 100.58 m

Hole Diameter: 203 mm
Monitoring Well Diameter: 31 mm

NOTES

Groundwater sample collected September 6, 2013 was submitted for laboratory analysis of BTEX and PHC parameters.

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November 4, 2019

Ms. Lilliane Levac
BCP IV Service Station LP O/A BG Fuels
140 Allstate Parkway
Markham, Ontario
L3R 5Y8

Fuel Storage Tank Removal – 5899 Hazeldean Road, Stittsville, Ontario
TSSA Service Request Number: 2699830

Dear Ms. Levac:

Thank you for submitting the report entitled, *"Underground Storage Tank Removal & Environmental Site Remediation, Verification Soil Sampling, Mr. Gas Ltd., 5899 Hazeldean Road, Stittsville, Ontario",* prepared by LRL Associates Ltd. (LRL), dated August 19, 2019. The report has been submitted to us in accordance with the Liquid Fuel Handling Code of the Technical Standards and Safety Authority (TSSA) upon removal of seven (7) underground fuel storage tanks (USTs) from the above noted address. The report summarizing the soil monitoring and sampling program was submitted to the TSSA on October 11, 2019.

The report provides the following information:

- Seven (7) steel walled USTs [with estimated capacities of 1 x 35,000 L, 6 x13,600 L] and associated pump islands were removed by Triangle Pump Services Ltd. (Triangle) on May 22-23, 2019.

- The USTs appeared to be in good condition with no evidence of corrosion or perforations.

- LRL selected the Ministry of the Environment, Conservation and Parks (MECP) Table 3 Site Condition Standards (SCS) for in a non-potable groundwater condition for industrial/commercial/community property use and coarse textured soil as being applicable for the site.

- LRL reports that a sub-surface investigation was carried out at the site in September 2013. Six (6) boreholes were advanced to depths ranging from 2.7 to 4.1 metres below ground surface (mbgs). Three of the boreholes were completed as monitoring wells MW1, MW3 and MW6. LRL reports that the soil and groundwater samples collected during the 2013 investigation satisfied the selected site condition standards (SCS) for benzene, toluene, ethylbenzene, xylenes (BTEX), lead and petroleum hydrocarbon fractions F1 to F4 (PHC F1-F4).

- The USTs were removed in May 2019. The UST nest excavation encompassed an area of approximately 220 m^2 in size. The excavation was extended to a depth of approximately 3.4 mbgs (in northern portion) to 4.0 mbgs (in southern portion) where bedrock was encountered.

- Fifteen (15) soil samples (4 floor samples and 11 sidewall samples) collected from the tank nest excavation were submitted to Paracel Laboratories Ltd. (Paracel), an accredited laboratory by the Canadian Association for Laboratory Accreditation Inc. (CALA) for laboratory analysis of BTEX and PHC F1-F4. The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters with the exception of one soil sample 56 (collected from southern sidewall at 1.3 mbgs) which exceeded for PHC F1. LRL reports that visual and olfactory evidence of PHC impacts were observed along the eastern and western wall of the tank excavation; however, the soils were not removed to maintain the structural integrity of the onsite canopy and proximity of the property line.

- The pump island excavation encompassed an area of approximately 50 m^2 in size and was extended to depths ranging from approximately 0.6 to 1.1 mbgs. Ten (10) soil samples (2 floor

samples and 8 sidewall samples) collected from the pump island excavation were submitted to Paracel for laboratory analysis of BTEX, lead and PHC F1-F4. The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters.

- In addition, five (5) stockpile soil samples (SS1, SS3, SS4, SS5 and 4) collected from the stockpiled soils were also analyzed for BTEX and PHC F1-F4. The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters with the exception of one soil sample 4 which exceeded for PHC F1.

- To facilitate the soil disposal process, one soil sample was analyzed for the toxicity characteristics of leaching procedure (TCLP). LRL reports the soil as non-hazardous.

- Approximately 1,268 metric tonnes of soils were removed from the site and disposed of offsite at Waste Connections of Canada Inc., an MECP licensed facility in Navan, Ontario.

- LRL reports that petroleum hydrocarbon (PHC) impacted groundwater was encountered in the northern and central portion of the tank nest excavation and at a depth of approximately 2.7 mbgs. Sheen and dark color was observed on the surface of the groundwater.

- Groundwater samples were collected from the UST nest excavation on May 22, 2019 and on May 23, 2019. In addition, one groundwater sample was collected from the existing monitoring well MW3 on May 27, 2019. The groundwater samples were submitted to Paracel for laboratory analysis of BTEX, lead and PHC F1-F4. The analytical results of the submitted groundwater samples from the tank nest and MW3 were reported by LRL to be above the selected MECP Table 3 SCS for BTEX and PHC F1-F4. In addition, the groundwater samples collected from the tank nest excavation exceeded the selected MECP Table 3 SCS for Hexane, Methyl-tert-butyl-ether (MTBE), tetrachloroethylene (PCE).

- LRL concludes that impacted soil remains on the south sidewall, and potentially in the southern portion of the east sidewall and south end of the west sidewall. In addition, the impacts likely remain along the northeastern wall, and the central and south portions of the west wall in close proximity of the property lines.

- LRL indicates that contamination delineation program has been planned and will include advancement of boreholes and monitoring wells.

We will update our records to reflect the removal of the tanks. We understand that the site continues to maintain fuel handling equipment at the property. Based on the information provided to date and as per the TSSA's *Environment Management Protocol for Fuel Handling Site in Ontario*, we offer the following:

- The complete delineation of all soil impacts, both on-site and where practical, off-site;

- The groundwater quality must be tested in the vicinity of the former tank nest; and

- Following the complete delineation, TSSA requires the submission of a Contaminant Management Plan (CMP) if remedial work is not carried out to remove the impacted soil and groundwater (if any).

- It is important to note that TSSA does not have regulatory jurisdiction beyond parameters related to fuel storage (i.e., BTEX and PHC). As such, consideration should be given to contacting the local MECP District Office regarding all other impacts identified on the property (i.e., Hexane, PCE etc.). If warranted TSSA may after consultation with the MECP, transfer all regulatory authority to the applicable District Office.

Please note, determining the best location for the placement of the borehole(s) or monitoring well(s) is something we are unable to do. As you are more familiar with the property; you have a better understanding of the site, utilities, obstacles etc. present at the site. Therefore, we cannot provide comments on the

locations of the proposed boreholes/monitoring wells that you have provided within the above-mentioned report. We understand that a contamination delineation program has been planned for the site. Please submit the report to this office within 60 calendar days of the last sampling activities.

Should you have any further questions, please do not hesitate to contact me directly. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Farzana Islam, P. Eng.
Fuels Safety Program
Tel.: 416.734.3598
Fax: 416.231.7525
Email: fislam@tssa.org

Cc:
Gilles Guindon – MGL Properties Ltd (via email)

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November 4, 2019

Ms. Lilliane Levac
BCP IV Service Station LP O/A BG Fuels
140 Allstate Parkway
Markham, Ontario
L3R 5Y8

Fuel Storage Tank Removal – 5899 Hazeldean Road, Stittsville, Ontario
TSSA Service Request Number: 2699830

Dear Ms. Levac:

Thank you for submitting the report entitled, *"Underground Storage Tank Removal & Environmental Site Remediation, Verification Soil Sampling, Mr. Gas Ltd., 5899 Hazeldean Road, Stittsville, Ontario",* prepared by LRL Associates Ltd. (LRL), dated August 19, 2019. The report has been submitted to us in accordance with the Liquid Fuel Handling Code of the Technical Standards and Safety Authority (TSSA) upon removal of seven (7) underground fuel storage tanks (USTs) from the above noted address. The report summarizing the soil monitoring and sampling program was submitted to the TSSA on October 11, 2019.

The report provides the following information:

- Seven (7) steel walled USTs [with estimated capacities of 1 x 35,000 L, 6 x13,600 L] and associated pump islands were removed by Triangle Pump Services Ltd. (Triangle) on May 22-23, 2019.

- The USTs appeared to be in good condition with no evidence of corrosion or perforations.

- LRL selected the Ministry of the Environment, Conservation and Parks (MECP) Table 3 Site Condition Standards (SCS) for in a non-potable groundwater condition for industrial/commercial/community property use and coarse textured soil as being applicable for the site.

- LRL reports that a sub-surface investigation was carried out at the site in September 2013. Six (6) boreholes were advanced to depths ranging from 2.7 to 4.1 metres below ground surface (mbgs). Three of the boreholes were completed as monitoring wells MW1, MW3 and MW6. LRL reports that the soil and groundwater samples collected during the 2013 investigation satisfied the selected site condition standards (SCS) for benzene, toluene, ethylbenzene, xylenes (BTEX), lead and petroleum hydrocarbon fractions F1 to F4 (PHC F1-F4).

- The USTs were removed in May 2019. The UST nest excavation encompassed an area of approximately 220 m^2 in size. The excavation was extended to a depth of approximately 3.4 mbgs (in northern portion) to 4.0 mbgs (in southern portion) where bedrock was encountered.

- Fifteen (15) soil samples (4 floor samples and 11 sidewall samples) collected from the tank nest excavation were submitted to Paracel Laboratories Ltd. (Paracel), an accredited laboratory by the Canadian Association for Laboratory Accreditation Inc. (CALA) for laboratory analysis of BTEX and PHC F1-F4. The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters with the exception of one soil sample 56 (collected from southern sidewall at 1.3 mbgs) which exceeded for PHC F1. LRL reports that visual and olfactory evidence of PHC impacts were observed along the eastern and western wall of the tank excavation; however, the soils were not removed to maintain the structural integrity of the onsite canopy and proximity of the property line.

- The pump island excavation encompassed an area of approximately 50 m^2 in size and was extended to depths ranging from approximately 0.6 to 1.1 mbgs. Ten (10) soil samples (2 floor

samples and 8 sidewall samples) collected from the pump island excavation were submitted to Paracel for laboratory analysis of BTEX, lead and PHC F1-F4. The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters.

- In addition, five (5) stockpile soil samples (SS1, SS3, SS4, SS5 and 4) collected from the stockpiled soils were also analyzed for BTEX and PHC F1-F4. The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters with the exception of one soil sample 4 which exceeded for PHC F1.

- To facilitate the soil disposal process, one soil sample was analyzed for the toxicity characteristics of leaching procedure (TCLP). LRL reports the soil as non-hazardous.

- Approximately 1,268 metric tonnes of soils were removed from the site and disposed of offsite at Waste Connections of Canada Inc., an MECP licensed facility in Navan, Ontario.

- LRL reports that petroleum hydrocarbon (PHC) impacted groundwater was encountered in the northern and central portion of the tank nest excavation and at a depth of approximately 2.7 mbgs. Sheen and dark color was observed on the surface of the groundwater.

- Groundwater samples were collected from the UST nest excavation on May 22, 2019 and on May 23, 2019. In addition, one groundwater sample was collected from the existing monitoring well MW3 on May 27, 2019. The groundwater samples were submitted to Paracel for laboratory analysis of BTEX, lead and PHC F1-F4. The analytical results of the submitted groundwater samples from the tank nest and MW3 were reported by LRL to be above the selected MECP Table 3 SCS for BTEX and PHC F1-F4. In addition, the groundwater samples collected from the tank nest excavation exceeded the selected MECP Table 3 SCS for Hexane, Methyl-tert-butyl-ether (MTBE), tetrachloroethylene (PCE).

- LRL concludes that impacted soil remains on the south sidewall, and potentially in the southern portion of the east sidewall and south end of the west sidewall. In addition, the impacts likely remain along the northeastern wall, and the central and south portions of the west wall in close proximity of the property lines.

- LRL indicates that contamination delineation program has been planned and will include advancement of boreholes and monitoring wells.

We will update our records to reflect the removal of the tanks. We understand that the site continues to maintain fuel handling equipment at the property. Based on the information provided to date and as per the TSSA's *Environment Management Protocol for Fuel Handling Site in Ontario*, we offer the following:

- The complete delineation of all soil impacts, both on-site and where practical, off-site;

- The groundwater quality must be tested in the vicinity of the former tank nest; and

- Following the complete delineation, TSSA requires the submission of a Contaminant Management Plan (CMP) if remedial work is not carried out to remove the impacted soil and groundwater (if any).

- It is important to note that TSSA does not have regulatory jurisdiction beyond parameters related to fuel storage (i.e., BTEX and PHC). As such, consideration should be given to contacting the local MECP District Office regarding all other impacts identified on the property (i.e., Hexane, PCE etc.). If warranted TSSA may after consultation with the MECP, transfer all regulatory authority to the applicable District Office.

Please note, determining the best location for the placement of the borehole(s) or monitoring well(s) is something we are unable to do. As you are more familiar with the property; you have a better understanding of the site, utilities, obstacles etc. present at the site. Therefore, we cannot provide comments on the

locations of the proposed boreholes/monitoring wells that you have provided within the above-mentioned report. We understand that a contamination delineation program has been planned for the site. Please submit the report to this office within 60 calendar days of the last sampling activities.

Should you have any further questions, please do not hesitate to contact me directly. For general enquiries, please contact a Customer Service Advisor at 1.877.682.TSSA (8772) or e-mail customerservices@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Farzana Islam, P. Eng.
Fuels Safety Program
Tel.: 416.734.3598
Fax: 416.231.7525
Email: fislam@tssa.org

Cc:
Gilles Guindon – MGL Properties Ltd (via email)

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July 13, 2021

Ms. Lilliane Levac
BCP IV Service Station LP O/A BG Fuels
140 Allstate Parkway
Markham, Ontario
L3R 5Y8

Delineation of Impacts – 5899 Hazeldean Road, Stittsville, Ontario
TSSA Service Request Number: 2699830

Dear Ms. Levac:

Thank you for submitting the report entitled, *"Petroleum Hydrocarbon Contamination Delineation – Mr. Gas Gasoline Service Station, 5899 Hazeldean Road, Stittsville, Ontario",* prepared by LRL Associates Ltd. (LRL), dated June 16, 2021. The report has been submitted to Technical Standards and Safety Authority (TSSA) in response to our letter dated October 13, 2020 associated with additional delineation requirement as per the TSSA Environmental Management Protocol (EMP).

The report provides the following information:

- Four (4) boreholes (BH/MW21-1 to BH/MW21-4) were advanced onsite in the vicinity of the previously identified impacts on February 2, 2021. The boreholes were advanced to depths ranging from 2.40 to 3.81 metres below ground surface (mbgs). All four boreholes were completed as monitoring wells BH/MW21-1 to BH/MW21-4.

- Combustible soil vapour concentrations measured in the soil samples ranged from less than 0.1 parts per million (ppm) to 5.5 ppm.

- Four (4) soil samples (at least one from each borehole) and a field duplicate sample were submitted to Paracel Laboratories Ltd. (Paracel), an accredited laboratory by the Canadian Association for Laboratory Accreditation Inc. (CALA). The soil samples were submitted for laboratory analysis of volatile organic compounds (VOCs) including benzene, toluene, ethylbenzene, xylenes (BTEX), lead and petroleum hydrocarbon fractions F1 to F4 (PHC F1-F4).

- LRL selected the Ministry of the Environment Conservation and Parks (MECP) Table 3 Site Condition Standards (SCS) for industrial/commercial/community property use in a non-potable groundwater condition and coarse textured soil as being applicable for the site.

- The analytical results of the submitted soil samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters.

- Four (4) newly installed monitoring wells (BH/MW21-1 to BH/MW21-4) and three (3) previously installed monitoring wells (MW19-2 to MW19-4) were monitored on May 7, 2021. The depth to groundwater measured in the monitoring wells ranged from 1.54 mbgs (in MW19-2) to 2.82 mbgs (in MW21-4). The monitoring well MW19-4 was reported to be dry during this monitoring event. The inferred groundwater flow direction was reported by LRL to be to the south to southwest.

- Headspace vapour readings measured in the monitoring wells ranged from less than 0.1 ppm to 35.6 ppm. Liquid petroleum hydrocarbon (LPH) was not detected in any monitoring wells. However, PHC sheen and odour was observed in one existing monitoring well OW1/OB1.

- On May 7, 2021, groundwater samples were collected from four (4) newly installed monitoring wells (BH/MW21-1 to BH/MW21-4) and three (3) previously installed monitoring wells (MW19-2 to MW19-4). In addition, one existing monitoring well OW1/OB1 was also sampled during this sampling event. The groundwater samples were submitted for the laboratory analysis of VOCs including BTEX and PHC F1-F4. The analytical results of the submitted groundwater samples were reported by LRL to be below the selected MECP Table 3 SCS for all analyzed parameters with the exception of the sample collected from the following monitoring well which exceeded for PHC F1:

    - MW21-3 - PHC F1

- LRL concludes that approximately 290 m^3 of petroleum impacted soils remain at the site. The impact in groundwater was identified at MW21-3 located approximately at the historical location of MW3. LRL concludes it is likely that groundwater impact is present off-site onto the City of Ottawa's Hazeldean Road right of way located south of the site.

- LRL recommends that the City of Ottawa be contacted regarding the potential impact beneath the Hazeldean Road right of way. If no future monitoring is required, the monitoring wells be decommissioned.

Our review of the information available to date indicates that petroleum hydrocarbon impacts have been identified at the site and have not been completely delineated in the vicinity of MW21-3. Based on the information provided to date and as per the TSSA's *Environment Management Protocol for Fuel Handling Site in Ontario*, we offer the following:

- The identified impact in groundwater must be completely delineated, both on-site and where practical, off-site. Consideration must be given completing this work beyond the property boundaries.

- Following the complete delineation, TSSA requires the submission of a Contaminant Management Plan (CMP) if remedial work is not carried out to remove the impacted soil and groundwater.

- As the potentially affected property owners, the private property owners to the east and the City of Ottawa (the City) must be made aware of the environmental conditions of the site in the southeast corner of the site. TSSA must be copied on all correspondences between the BCP IV Service Station LP O/A BG Fuels and the poetically affected property owners.

Please submit action plan to this office by August 16, 2021 for completion of this work. Should you have any further questions, please do not hesitate to contact me directly.

Yours truly,

Farzana Islam, P. Eng.
Fuels Safety Program
Tel.: 416.734.3598
Fax: 416.231.7525
Email: fislam@tssa.org
Cc:
Gilles Guindon – MGL Properties Ltd (via email)

TECHNICAL STANDARDS and SAFETY AUTHORITY

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Toronto, Ontario M8X 2X4
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Toll free 1-877-682-8772

FS Inspection Report

Order #	**456811**
Service Request #	**278700**
Inspection Report #	**2671853**

Inspection Name and Address: **MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 18, 2010**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Owner Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	Task Type: **FS-Unscheduled Inspect**	Total Billable Hours: **0**
	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 DATA UPGRADE 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.

Labour Detail

Date	Activity	Hours	Comments
FEB 18, 2010	Inspection	1	
FEB 18, 2010	Travel	.5	
FEB 18, 2010	Administration	.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 may be issued for this activity.

Putting Public Safety First

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Toll free 1-877-682-8772

FS Inspection Report

Order #	**456811**
Service Request #	**278700**
Inspection Report #	**2671853**

Inspection Name and Address: **MR GAS LIMITED **** **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 18, 2010**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Owner Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	Task Type: **FS-Unscheduled Inspect**	Total Billable Hours: **0**
	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

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Labour Detail

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FEB 18, 2010	Inspection	1	
FEB 18, 2010	Travel	.5	
FEB 18, 2010	Administration	.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

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FS Inspection Report

Service Request #	**513546**
Inspection Report #	**3191469**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 08, 2011**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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

SITE HAS NEW UPGRADED VIDEO SYSTEM. D/W LINES S/W TANK CP PROTECTED AND UP TO DATE. SITE DOES HAVE AN ECON SYSTEM WITH CONSTANT STSTIC MONITORING. CLEAN AND WELL KEPT 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
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Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**513546**
Inspection Report #	**3191469**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 08, 2011**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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

SITE HAS NEW UPGRADED VIDEO SYSTEM. D/W LINES S/W TANK CP PROTECTED AND UP TO DATE. SITE DOES HAVE AN ECON SYSTEM WITH CONSTANT STSTIC MONITORING. CLEAN AND WELL KEPT 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

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FS Inspection Report

Service Request #	**1259094**
Inspection Report #	**4673193**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **NOV 12, 2013**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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: MR GAS LIMITED **

Line	Reference and Order(s)	Compliance Date
677156-1	Liquid Fuels Handling Code 2007. 4.6.9 (Admended by Liquid Fuels Handling Code Adoption Document FS-109-07) The equipment required by Clause 4.6.5 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. yerify yearly test is complete	DEC 31, 2013

Task Notes

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON NOV 12 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.
This inspector has no control over billing.

THIS IS ASSIGNED AS A FS Declaration of Compliance AND MUST BE FILED OUT AND SENT IN TO ADDRESS OR FAX AT BOTTOM OF FORM.

ALL INSTRUCTIONS MUST BE COMPLETED BY THE DUE DATE AND SENT TO TSSA OR A BILLABLE FOLLOW UP INSPECTIONS WILL APPLY.

ON SITE FOR REGULAR AUDIT. ALL SUMP SENSORS INSTALLED TESTED BY INSPECTOR AND WORKING. ALL FIRE EQUIPMENT AND SIGNAGE IN PLACE AND UP TO DATE. SITE HAS SYSTEM MONITOR TANKS. STAFF TRAINED AND SIGNED OFF. 1 INSTRUCTION ISSUED TO VERIFY TEST.

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.

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: E-MAIL AND ATTENDANT	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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www.tssa.org

FS Inspection Report

Service Request #	**1259094**
Inspection Report #	**4673193**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **NOV 12, 2013**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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.	

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 (416-231-5435) complete with the following information
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 contact TSSA at 416-734-3599 or email dcreporting@tssa.org

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: E-MAIL AND ATTENDANT	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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www.tssa.org

FS Inspection Report

Service Request #	**1880708**
Inspection Report #	**6200739**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 20, 2016**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR Suite 1** **ORLEANS;ON** **CA K1C 7B3**	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 JULY 21 2016. SHOULD YOU HAVE ANY QUESTIONS ABOUT THIS REPORT, CONTACT DAVID NORMAN AT 613-2977422
If you have questions regarding your invoice, when received, contact TSSA billing department by telephone at 1-877-682-TSSA (8772)or customerservices@tssa.org

TRAVEL, SITE INSPECTION DOCUMENTATION AND REPORT PREPARATION BILLED IN ACCORDANCE WITH TSSA POLICY
This inspector has no control over billing.
ON SITE FOR REGULAR AUDIT. ALL SUMP SENSORS INSTALLED AND WORKING. ALL FIRE EQUIPMENT DATED (FEB 16)AND SIGNAGE IN PLACE AND UP TO DATE. STAFF ON SITE SIGNED OFF.TANKNOLOGY REPORTS UP TO DATE. 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

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FS Inspection Report

Service Request #	**2471022**
Inspection Report #	**7608413**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JAN 15, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	Task Type: FS-LF Pre Lic Insp	
	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: BCP IV SERVICE STATION LP O/A BG FUELS

Line	Reference and Order(s)	Compliance Date
843497-1	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. The following Order is issued January 15th, 2019. During this inspection a copy of the petroleum contractor's annual report regarding the maintenance and testing of the Shear Valves and Leak Detection system was not available for review by this Inspector. 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 Order and provide this Inspector with a copy of the petroleum contractor's annual report regarding the maintenance and testing of the Shear Valves and Leak Detection system by the compliance date issued.	FEB 28, 2019
843497-2	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 6.16.9 When piping or tubing passes through masonry or concrete, the portion of piping or tubing that runs through this material shall be sleeved or double wrapped with a pipe wrap tape. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (tubing passing through the interior masonry wall is not sleeved or double wrapped with a pipe wrap tape). 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 Order and make the necessary correction by the compliance date issued.	FEB 28, 2019
843497-3	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 6.16.8 When piping or tubing passes through an exterior wall above ground, it shall be sealed watertight and the portion of piping or tubing that runs through the wall shall be sleeved or double wrapped with a pipe wrap tape. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (gas tubing passing through the exterior wall is not sleeved or double wrapped with a pipe wrap tape). 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 Order and make the necessary correction by the compliance date issued.	FEB 28, 2019
843497-4	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 4.7.3 (Amended) All interior metal gas piping and tubing that may become energized shall be made electrically continuous and shall be bonded in accordance with the Ontario Electrical Safety Code adopted under Ontario Regulation 164/99 (Electrical Safety Code) made under the Electricity Act, 1998.	FEB 28, 2019

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Marc Croteau via: mrgas004@mrgasltd.ca	**Customer Contact Number:** (613) 836-2769	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**2471022**
Inspection Report #	**7608413**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JAN 15, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	Task Type: FS-LF Pre Lic Insp **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.**	

	The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (interior natural gas piping is not bonded). 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 Order and make the necessary correction by the compliance date issued.	
843497-5	Liquid Fuels Handling Code 2017 Clause 5.2.9 At each self-serve facility, a means of two-way communication between the self-serve attendant and each dispensing location shall be installed. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (intercom at dispenser #1 is not working properly, extremely difficult to hear gas attendant). 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 Order and make the necessary correction by the compliance date issued.	FEB 28, 2019
843497-6	Liquid Fuels Handling Code 2017 Clause 6.6 The installation of electrical equipment at a facility shall be in accordance with the requirements of the Electrical Safety Code. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (electrical wiring found cut, not connected to equipment or installed within the electrical junction box in diesel dispenser # 7-8, and at one STP sump located 3rd from the Car Wash building). 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 Order and make the necessary correction by the compliance date issued.	FEB 28, 2019
843497-7	Liquid Fuels Handling Code 2017 Clause 2.3.1.2 The corrosion protection system for an underground storage tank system shall be tested and certified in writing to be in working order at intervals not exceeding 2 years by a professional engineer, by a person with the appropriate NACE certification, or where CAN/ULC-S603.1 cathodic protection is used, by a person holding a valid OPCA cathodic protection tester certificate. The following Order is issued January 15th, 2019. During this Inspection a copy of the report regarding the Cathodic Protection testing conducted on the single wall steel underground petroleum storage tanks was not available for review by this Inspector. 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 Order and provide to this Inspector a copy of the Cathodic Protection testing report conducted within the past 2 years, by the compliance date issued.	FEB 28, 2019

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Marc Croteau via: mrgas004@mrgasltd.ca	**Customer Contact Number:** (613) 836-2769	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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FS Inspection Report

Service Request #	**2471022**
Inspection Report #	**7608413**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JAN 15, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	Task Type: FS-LF Pre Lic Insp **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.**	

84349 7-8	Liquid Fuels Handling Code 2017 Clause 7.3.1 Every storage tank, piping system, and sump shall be tested and monitored for leaks in accordance with Tables 3 to 7, which specify the minimum requirements for the frequency and methods for (a) commissioning testing; (b) subsequent in-service monitoring; and (c) testing when a leak is suspected. The following Order is issued January 15th, 2019. During this facility inspection a copy of the Precision Leak testing report regarding the single wall steel underground petroleum storage tanks was not available for review by this Inspector. 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 Order and provide this Inspector with a copy of the Precision Leak testing report conducted on the underground petroleum storage tanks, by the compliance date issued.	FEB 28, 2019

Task Notes

TSSA Inspector David Barclay travelled to 5899 Hazeldean Rd; Stittsville (BCP IV Service) on January 15th, 2019 to conduct a prelicence inspection of the gas station facility.

Consulted with Rachel Marshall - gas attendant on site during site inspection of the gas station and propane facility licenses, signage, fire extinguishers, fill and vent pipes, dispensing equipment, hoses, visual inspection of dispenser and STP sumps and leak detection sensors, testing of intercom, cameras, emergency breakaways, spill kit, vehicular protection, Tank Sentinel, emergency shut off, and found the following deficiencies:

*Provide a copy of your report from your petroleum contractor regarding the annual maintenance and testing of the shear valves and leak detection system to this Inspector.

*Provide copies of your Precision Leak and Cathodic Protection testing reports regarding the underground single wall steel petroleum storage tanks to this Inspector.

*STP sump located 3rd from the Car Wash building has electrical wiring which is cut and not connected to equipment or within the junction box.

*Diesel dispenser # 7-8 has electrical wiring which is cut and not connected to equipment or within the junction box.

*Natural gas piping installed inside the Car Wash building is not bonded, and the gas tubing installed from the gas meter to the boiler room passes through a cement interior wall and outside wall and not sleeved or double wrapped.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Marc Croteau via: mrgas004@mrgasltd.ca	**Customer Contact Number:** (613) 836-2769	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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TECHNICAL STANDARDS and SAFETY AUTHORITY

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FS Inspection Report

Service Request #	**2471022**
Inspection Report #	**7608413**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JAN 15, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	Task Type: FS-LF Pre Lic Insp	
	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.	

*Intercom is not working properly, unable to hear the gas attendant at dispenser #1.

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: Marc Croteau via: mrgas004@mrgasltd.ca	**Customer Contact Number:** (613) 836-2769	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**2482232**
Inspection Report #	**7632621**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JAN 15, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **MR GAS LIMITED **** **1420 YOUVILLE DR SUITE 1** **ORLEANS;ON** **CA K1C 7B3**	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 5899 Hazeldean Rd; Ottawa (Mr. Gas) to conduct an inspection of the propane cylinder exchange storage, signage, facility licence, and clearances to sources of ignition on January 15th, 2019. During this inspection no deficiencies were discovered. 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

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FS Inspection Report

Service Request #	**2548904**
Inspection Report #	**7812548**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 17, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	Task Type: FS-LF Mod 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 5899 Hazeldean Rd; Stittsville (Mr. Gas) on June 6th, 2019 to conduct a pre-construction inspection and witness pressure and hydrostatic testing being conducted on the new underground petroleum storage tanks, piping, and STP and dispenser sumps.

Consulted with Joshua Ouellette - Technician with Triangle Pump, certificate #00761567 on site during the pre-construction site inspection of the petroleum underground piping and storage tanks, fill and vent pipes, STP and dispenser sumps. This Inspector witnessed the pressure testing conducted on the tanks and piping as well as the hydrostatic testing conducted on the STP and dispenser sumps for a period of 2 hours. Pressure testing was 5psig on the tanks and 50psig on the piping. There was a delay while Mr. Ouellette conducted some repairs due to leaks discovered and re-pressurized the system.

There were no changes in the water levels within the sumps, and no change in pressure on the piping and tanks. Pressure was released at the gauges at the end of the test to verify gauges operational.

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: Lilianne Levac via: llevac@mrgasltd.ca	**Customer Contact Number:** (613) 824-6777	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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TECHNICAL STANDARDS and SAFETY AUTHORITY

345 Carlingview Drive
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Toll free 1-877-682-8772
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FS Inspection Report

Service Request #	**2619310**
Inspection Report #	**7936321**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 28, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

Line	Reference and Order(s)	Compliance Date
843043-1	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: On January 9, 2018 the periodic gas station inspection was done at 3065 Hwy 29 Brockville, Ontario for the change of licence for the site where the following was revealed. THE ELECTRONIC PANEL SHOWS A PROBE IN ALARM FOR TANK 4. 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 ELECTRONIC MONITOR AND DETERMINE THE SOURCE OF ALARM AND TAKE THE APPROPRIATE ACTION by the compliance date as given. Issued on January 10, 2019	JUL 31, 2019
843043-2	Liquid Fuels Handling Code 2017 Clause 2.3.1.2 The corrosion protection system for an underground storage tank system shall be tested and certified in writing to be in working order at intervals not exceeding 2 years by a professional engineer, by a person with the appropriate NACE certification, or where CAN/ULC-S603.1 cathodic protection is used, by a person holding a valid OPCA cathodic protection tester certificate. NOTE: On January 9, 2018 the periodic gas station inspection was done at 3065 Hwy 29 Brockville, Ontario for the change of licence for the site where the following was revealed. THE SITE HAS STEEL TANKS AND LINES AND REQUIRES PROOF OF TESTING. 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 PROVIDE PROOF OF CATHODIC TESTING by the compliance date as given. Issued on January 10, 2019	JUL 31, 2019
843043-3	Liquid Fuels Handling Code 2017 Clause 7.3.1 Every storage tank, piping system, and sump shall be tested and monitored for leaks in accordance with Tables 3 to 7, which specify the minimum requirements for the frequency and methods for (a) commissioning testing; (b) subsequent in-service monitoring; and (c) testing when a leak is suspected. NOTE: On January 9, 2018 the periodic gas station inspection was done at 3065 Hwy 29 Brockville, Ontario for the change of licence for the site where the following was revealed. THE SITE HAS MECHANICAL LEAK DETECTION AND THIS SHALL BE UPGRADED TO ELLD'S	JUL 31, 2019

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
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

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FS Inspection Report

Service Request #	**2619310**
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Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 28, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

	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 UPGRADE THE LEAK DETECTION FOR THE STP'S by the compliance date as given. Issued on January 10, 2019	
843043-4	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: On January 9, 2018 the periodic gas station inspection was done at 3065 Hwy 29 Brockville, Ontario for the change of licence for the site where the following was revealed. THE RUBBER BOOT IN DISPENSER # 4 APPEARS TO BE CRACKED. 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 RUBBER ENTRY BOOT AND CORRECT IF REQUIRED by the compliance date as given. Issued on January 10, 2019	JUL 31, 2019
843043-7	Liquid Fuels Handling Code 2017 Clause 5.2.9 At each self-serve facility, a means of two-way communication between the self-serve attendant and each dispensing location shall be installed. NOTE: On January 9, 2018 the periodic gas station inspection was done at 3065 Hwy 29 Brockville, Ontario for the change of licence for the site where the following was revealed. THE SITE SHALL TEST THE TWO WAY COMMUNICATION TO ENSURE IT IS IN WORKING ORDER. 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 VERIFY THE SPEAKERS ARE IN WORKING ORDER by the compliance date as given. Issued on January 10, 2019	JUL 31, 2019
843497-2	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 6.16.9 When piping or tubing passes through masonry or concrete, the portion of piping or tubing that runs through this material shall be sleeved or double wrapped with a pipe wrap tape. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (tubing passing through the interior masonry wall is not sleeved or double wrapped with a pipe wrap tape).	JUL 31, 2019

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

Service Request #	**2619310**
Inspection Report #	**7936321**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 28, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

	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 Order and make the necessary correction by the compliance date issued.	
84349 7-3	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 6.16.8 When piping or tubing passes through an exterior wall above ground, it shall be sealed watertight and the portion of piping or tubing that runs through the wall shall be sleeved or double wrapped with a pipe wrap tape. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (gas tubing passing through the exterior wall is not sleeved or double wrapped with a pipe wrap tape). 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 Order and make the necessary correction by the compliance date issued.	JUL 31, 2019
84349 7-4	CAN/CSA B149.1-15 Natural Gas and Propane Installation Code Clause 4.7.3 (Amended) All interior metal gas piping and tubing that may become energized shall be made electrically continuous and shall be bonded in accordance with the Ontario Electrical Safety Code adopted under Ontario Regulation 164/99 (Electrical Safety Code) made under the Electricity Act, 1998. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (interior natural gas piping is not bonded). 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 Order and make the necessary correction by the compliance date issued.	JUL 31, 2019
84349 7-5	Liquid Fuels Handling Code 2017 Clause 5.2.9 At each self-serve facility, a means of two-way communication between the self-serve attendant and each dispensing location shall be installed. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (intercom at dispenser #1 is not working properly, extremely difficult to hear gas attendant). 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 Order and make the necessary correction by the compliance date issued.	JUL 31, 2019
84349 7-6	Liquid Fuels Handling Code 2017 Clause 6.6 The installation of electrical equipment at a facility shall be in accordance with the requirements of the Electrical Safety Code. The following Order is issued January 15th, 2019. TSSA Inspection has determined this facility does not comply with this code (electrical wiring found cut, not connected to equipment or installed within the electrical junction box in diesel dispenser # 7-8, and at one STP sump located 3rd from the Car Wash building).	JUL 31, 2019

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

Service Request #	**2619310**
Inspection Report #	**7936321**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): Facility Type:	Inspection Completion Date: **JUN 28, 2019** Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

	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 Order and make the necessary correction by the compliance date issued.	
84571 0-3	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 inspection done at 152 King St in Prescott Ontario on February 7, 2019 the following was revealed. THE SITE SHALL PROVIDE PROOF THE SHEAR VALVE AND LEAK DETECTION TESTING. NOTICE NOTICE NOTICE: AS PART OF THE STP SUMP SENSOR TESTING THE CONTRACTOR SHALL VERIFY THE STP SUMP MEETS THE REQUIREMENTS (that it is leak free, the sensor is located at the lowest point in the sump) NOTICE: THE CONTRACTOR HAS IDENTIFIED THAT THE CURRENT STP SUMPS ARE NOT WIRED PROPERLY AND THE DISPENSER SUMP SENSORS DO NO TURN OFF THE EQUIPMENT AS REQUIRED. THE SITE SHALL BRING THE LEAK DETECTION INTO COMPLIANCE. 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 BRING THE LEAK DETECTION INTO compliance by the date as given. Issued on June 20, 2019 NOTICE: the person who does this repair, service, or test shall sign off on this part of the orders, so please have a copy on site as the time of work and get the person who did this part of the orders to complete the following for each order in this report: PLEASE PRINT LEGIBLY Work was performed by name of contractor: _____ Contractors phone number: _____ Date of repair: _____ Name of technician that performed the work: _____ Certificate Number of technician: _____	AUG 31, 2019
84874 6-1	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. This legal order issued on March 15, 2019. At the time of inspection, it was determined that the all dispenser doors were covered in ice	JUN 15, 2019

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

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Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 28, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

	Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 1.3.4 of the liquid Fuels Code 2017.	
848959-1	Liquid Fuels Handling Code 2017 Clause 7.3.1 Every storage tank, piping system, and sump shall be tested and monitored for leaks in accordance with Tables 3 to 7, which specify the minimum requirements for the frequency and methods for (a) commissioning testing; (b) subsequent in-service monitoring; and (c) testing when a leak is suspected. This legal order issued on March 19, 2019. At the time of inspection, it was determined that there were no precision leak test records available for the underground single wall steel tanks/piping. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 7.3.1 (table 3) of the liquid Fuels Code 2017.	JUN 19, 2019
848959-2	Liquid Fuels Handling Code 2017 Clause 2.3.1.2 The corrosion protection system for an underground storage tank system shall be tested and certified in writing to be in working order at intervals not exceeding 2 years by a professional engineer, by a person with the appropriate NACE certification, or where CAN/ULC-S603.1 cathodic protection is used, by a person holding a valid OPCA cathodic protection tester certificate. This legal order issued on March 19, 2019. At the time of inspection, it was determined that there were no cathodic protection test records available for the underground single wall steel tanks/piping. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 2.3.1.2 of the liquid Fuels Code 2017.	JUN 19, 2019
848959-3	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. This legal order issued on March 19, 2019. At the time of inspection, it was determined that there was product/liquid in the fill spill containers. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 1.3.4 of the liquid Fuels Code 2017.	JUN 19, 2019
854308-1	Liquid Fuels Handling Code 2017 Clause 5.2.6 The video monitoring system shall be interlocked with each dispenser monitored such that failure of the video monitoring system automatically shuts off all dispensers monitored by that system. This legal order issued on May 10th 2019 pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000	MAY 31, 2019

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

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Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 28, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

	You are hereby ordered to ensure the video loss at the above mentioned facility satisfies the requirements of the Code. Inspector Wells identified at the time of inspection that the video loss was not operational.	
854308-2	Liquid Fuels Handling Code 2017 Clause 5.2.5 The image displayed on the monitor shall be of adequate size and clarity to allow the attendant to read a vehicle licence plate held by someone standing in the fueling area. This legal order issued on May 10th 2019 pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000 Pursuant to the LFHC you are hereby ordeed to ensure the facility at the above mentioned location satisfies the requirements of the Code. Inspector Wells determined at the time of inspection that the video cameras were of insufficient clarity to view the fueling positions. A customer was filling gas cans in the rear of a pickup however it was not visible on the camera.	MAY 31, 2019
854308-3	Liquid Fuels Handling Code 2017 Clause 5.2.3 The facility shall be equipped with a video monitoring system that allows the selfserve attendant a constant view of all dispensing positions. This legal order issued on May 10th 2019 pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000 Pursuant to the LFHC You are hereby ordered to ensure the video cameras installed satisfy the requirements of the Code. Inspector Wells determined that the cameras to not point at the fueling positions in a sufficient manner. The direction of the cameras is to be corrected.	MAY 31, 2019
856611-1	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. At the time of inspection, it was determined that there were several worn/cracked hoses. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 1.3.4 of the liquid Fuels Code 2017.	SEP 04, 2019
856611-2	Liquid Fuels Handling Code 2017 Clause 4.5.2.8 Water shall be removed from all sumps to within 50 mm of the bottom of the sump. At the time of inspection, it was determined that there was water present under dispenser # 5/6. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are	SEP 04, 2019

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email:** DNorman@tssa.org	**Inspector Fax:** 613-284-8296

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FS Inspection Report

Service Request #	**2619310**
Inspection Report #	**7936321**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **JUN 28, 2019**
	Facility Type:	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

	hereby ordered to comply with clause 4.5.2.8 of the liquid Fuels Code 2017.	
85661 1-3	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. At the time of inspection, it was determined that there was water/product present in all fill spill containment devices. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 1.3.4 of the liquid Fuels Code 2017.	SEP 04, 2019
85661 1-4	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. At the time of inspection, it was determined that there were strong vapours present in all STP sumps. Pursuant to my authority under section 21(1) of the Technical Standards and Safety Act, 2000, S.O. 2000, you are hereby ordered to comply with clause 1.3.4 of the liquid Fuels Code 2017.	SEP 04, 2019

Task Notes

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON JUNE 28 2019. SHOULD YOU HAVE ANY QUESTIONS ABOUT THIS REPORT, CONTACT DAVID NORMAN AT 613-2977422
If you have questions regarding your invoice, when received, contact TSSA billing department by telephone at 1-877-682-TSSA (8772)or customerservices@tssa.org
ALL TRAVEL, SITE INSPECTION, REVIEW OF PREVIOUS ORDERS, AND REPORT PREPARATION BILLED IN ACCORDANCE WITH TSSA POLICY.

ON SITE FOR FINAL AUDIT SIOTE IN COMPLIANCE MAY OPEN UPON RECEIPT OF ESA CERT

Standard Notes

You are hereby authorized to operate the site located at the address specified in this report for a period not exceeding 15 days from the date this inspection was completed, pending receipt of a licence. A copy of this inspection report must be posted and readily visible. If you have not received a licence by the end of this period, please contact TSSA toll free at 1-877-682-8772.

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

Service Request #	**2619310**
Inspection Report #	**7936321**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): Facility Type:	Inspection Completion Date: **JUN 28, 2019** Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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.**	

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 000-000-0000
Report Received By:	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

Service Request #	**2471022**
Inspection Report #	**7632722**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **AUG 07, 2019**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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: BCP IV SERVICE STATION LP O/A BG FUELS

Task Notes

TSSA Inspector David Barclay travelled to 5899 Hazeldean Rd; Stittsville (Mr. Gas) on August 7th, 2019 to conduct a follow up inspection regarding Orders issued to this facility.

Consulted with gas attendant on site during facility inspection to verify compliance with Orders issued. This Inspector has found all Orders have been complied with. The natural gas piping located inside the Car Wash building was found to be bonded, and the piping passing through the outside and inside building walls has been wrapped.

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: Marc Croteau via: mrgas004@mrgasltd.ca	**Customer Contact Number:** (613) 836-2769	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**3178358**
Inspection Report #	**9255954**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): Facility Type:	Inspection Completion Date: **FEB 17, 2022** Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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: BCP IV SERVICE STATION LP O/A BG FUELS

Task Notes

TSSA Inspector David Barclay conducted an inspection of the propane cylinder exchange facility at 5899 Hazeldean Rd; Stittsville (BCP IV Service Station) on February 17, 2022.

During inspection of the facility licence, cylinder storage, signage, vehicular protection, clearances to sources of ignition, building openings, and petroleum dispensers, no deficiencies discovered.

Inspection Complete.

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Lilianne Levac via: lilianne.levac@greenergy.com	**Customer Contact Number:** (437) 317-3563	**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 #	**3178362**
Inspection Report #	**9255959**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): Facility Type:	Inspection Completion Date: **FEB 17, 2022** Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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 conducted an inspection of the car wash facility at 5899 Hazeldean Rd; Stittsville (BCP IV Service Station) on February 17, 2022. During visual inspection of the Car Wash natural gas meter set, piping, and appliances, no deficiencies discovered. 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

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FS Inspection Report

Service Request #	**3178358**
Inspection Report #	**9255954**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): Facility Type:	Inspection Completion Date: **FEB 17, 2022** Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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 conducted an inspection of the propane cylinder exchange facility at 5899 Hazeldean Rd; Stittsville (BCP IV Service Station) on February 17, 2022.

During inspection of the facility licence, cylinder storage, signage, vehicular protection, clearances to sources of ignition, building openings, and petroleum dispensers, no deficiencies discovered.

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:** (437) 317-3563	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**3176198**
Inspection Report #	**9251609**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): **000309558**	Inspection Completion Date: **FEB 17, 2022**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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: BCP IV SERVICE STATION LP O/A BG FUELS

Line	Reference and Order(s)	Compliance Date
920701-1	ONTARIO REGULATION 212/01. (GASEOUS FUELS) 15 - Duty to maintain in safe operating condition. An owner or user of an appliance, equipment, a work or any other thing employed in the handling or use of gas shall ensure that the appliance, equipment, work or thing employed in the handling or use of gas is maintained in a safe operating condition. O. Reg. 212/01, s. 15. During the facility inspection a copy of the annual report regarding the maintenance of the natural gas appliances within the car wash and convenience store was not available for review by this Inspector. As an owner or user of an appliance, equipment or work, or any other thing employed in the handling or use of gas, you are hereby ordered to comply with section 15 of O. Reg. 212/01 and ensure that it is maintained in a safe operating condition.	MAY 17, 2022
920701-2	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 valve 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.	MAY 17, 2022
920701-3	Liquid Fuels Handling Code 2017 Clause 6.1.1.7 - Combustible materials, including firewood/fire logs, shall be stored for sale at least 3 m from the pumps/dispensers at a facility. TSSA Inspection has determined this facility does not comply with this code (cardboard boxes containing windshield washer fluid are stored less than 3m from the petroleum dispenser. You are hereby ordered to move any combustible material at least 3 m from the pumps/dispensers.	MAY 17, 2022

Customer Signature & Position / Date:		**Inspector Name:** Barclay, David	**Inspector Contact Number:** 613-808-2727
Report Received By: Lilianne Levac via: lilianne.levac@greenrgy.com	**Customer Contact Number:** (437) 317-3563	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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FS Inspection Report

Service Request #	**3176198**
Inspection Report #	**9251609**

Inspection Address: **5899 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s): **000309558**	Inspection Completion Date: **FEB 17, 2022**
	Facility Type: **FS Gasoline Station - Self Serve**	Equipment Type:
Customer Name and Address: **BCP IV SERVICE STATION LP O/A BG FUELS** **140 ALLSTATE PARKWAY UNIT 102** **MARKHAM;ON** **CA L3R 5Y8**	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 5899 Hazeldean Rd;Stittsville (BCP IV SERVICE STATION LP O/A BG FUELS) on February 17, 2022 to conduct a petroleum facility periodic inspection.

Consulted with gas attendant on site during inspection of the petroleum and propane facility licences, Frankling Tank Monitoring system, emergency stop, camera system, testing of intercom, spill kit, fire extinguishers, signage, fill and vent pipes, vehicular protection, dispensing equipment, car wash natural gas appliances, stp and dispenser sumps, and discovered the following deficiency:

*Cardboard boxes containing windshield washerfluid are stored less than 3m from the petroleum dispensers.

*Copies of the maintenance report completed within the past 12 months regarding the natural gas appliances within the car wash and convenience store, and the maintenance and testing of the shear valve and leak detection system are required by this Inspector.

A compliance date of May 17, 2022 has been issued.

Reviewed and confirmed tank and piping configuration file regarding this facility.

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: Lilianne Levac via: lilianne.levac@greenrgy.com	**Customer Contact Number:** (437) 317-3563	**Inspector Email**: dbarclay@tssa.org	**Inspector Fax**: 647-789-2129

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Toronto, Ontario M9W 6N9
Tel.: 416.734.3300
Fax: 416.231.1626
Toll Free: 1.877.682.8772

www.tssa.org

02 January 2025

Mohit Bhargav
GEMTC CONSULTING
ENGINEERS & SCIENTISTS
32 Steacie Drive
Ottawa ON K2K 2A9

Subject: 5938 Hazeldean Rd, Ottawa, Ontario, Canada, K2S 1B9
Your File No.: 104054.001
WO No.: 14516449

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested the release of information regarding the above noted address.

A search of TSSA public records **did not** locate any records relating to the following Program(s):

Program	No Record
Fuels Safety	☐
Boiler/Pressure Vessel	☐
Elevating & Amusement Devices	☐

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,

S. Thompson

Sherees Thompson
Public Information Services

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 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.*

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.

- Fuels Safety Division does not register
  - 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.

Inventory Address	Inventory City	Inventory Province	Inventory Postal Code	Asset Type / Inventory Item	Inventory Status Reason Code	Inventory Number	FS Capacity	FS Corrosion Protection	FS Description	FS Fuel Type	FS Fuel Type 2	FS Installation Year	FS Propane Tank Orientation	FS Tank Material
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS GASOLINE STATION - FULL SERVE	Abandoned	9835124								
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	11615482	13600	Sacrificial anode		Diesel		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	10981833	13600	Sacrificial anode	CLEAR DIEL	Diesel		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	10981809	36000	Sacrificial anode		Gasoline		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	11615459	36000	Sacrificial anode		Gasoline		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	11615489	9000	Sacrificial anode		Diesel		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	10981818	9000	Sacrificial anode		Gasoline		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	11615471	9000	Sacrificial anode		Gasoline		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS LIQUID FUEL TANK	Abandoned	10981842	9000	Sacrificial anode	COLOURED DIEL	Diesel		1990		Steel
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS PROPANE REFILL CNTR - CYLR FILL	EXPIRED	10359866								
5938 HAZELDEAN RD	STITTSVILLE	ON	K2S 1B9	FS PROPANE TANK	EXPIRED	11662830		Coating	2008V				Horizontal	

TECHNICAL STANDARDS and SAFETY AUTHORITY

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3300 Bloor Street West
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Toll free 1-877-682-8772
Fax (416) 231-1626
www.tssa.org

FS Inspection Report

Service Request #	**1150972**
Inspection Report #	**4559941**

Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date:
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	Task Type: FS-Shutdown 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: 795099 ONTARIO INC.

Line	Reference and Order(s)	Compliance Date
672854-1	Liquid Fuels Handling Code 2007. 2.4.2.1 Where an underground storage tank is out of service for 2 years or more, the owner of the tank system or the owner of the property on which the tank is located shall remove the tank from the ground. SITE OUT OF USE MORE THAN 2 YEARS	NOV 15, 2013
672854-2	Liquid Fuels Handling Code 2007. 8.3.1 Where an underground storage tank(s) has been removed permanently and the property no longer maintains any fuel storage equipment or tank systems, the owner or operator of the facility, the owner or operator of the storage tank systems, or the owner of the property on which the equipment is installed, as the case may be, shall: (a) submit an assessment report to TSSA that delineates the full extent of any petroleum product that has escaped into the environment or inside a building both on site and, where necessary and practical, off site; and (b) immediately notify the Ontario Ministry of the Environment in accordance with the Environmental Protection Act, as amended, and the Ontario Water Resources Act, as amended.	NOV 15, 2013

Task Notes

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON OCT 15 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.
This inspector has no control over billing.

THIS IS ASSIGNED AS A FS Declaration of Compliance AND MUST BE FILED OUT AND SENT IN TO ADDRESS OR FAX AT BOTTOM OF FORM.
SITE FENCED AN NOT IN USE INSPECTORS INSTRUCTIONS ISSUED.
YOU ARE ORDERED TO COMPLY WITH THE ABOVE INSTRUCTIONS BY COMPLIANCE DATE AS PER Section 19 of the TSSAct, 2000!

ALL PETROLEUM WORK TO BE COMPLETED BY A LICENSED PETROLEUM MECHANIC!

"TO BE COMPLETED: BY PETROLEUM MECHANIC DEFICIENCY ORDER # EG 1 2 COMPLETED:_____,

PRINT NAME: _____, SIGN ----------

CERTIFICATE # : _____,

COMPANY'S NAME:_____

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 754 244 946 CA	**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.
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FS Inspection Report

Service Request #	**1150972**
Inspection Report #	**4559941**

Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date:
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	Task Type: FS-Shutdown 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.	

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 (416-231-5435) complete with the following information
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 contact TSSA at 416-734-3599 or email dcreporting@tssa.org

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 754 244 946 CA	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

Service Request #	**1150972**
Inspection Report #	**4559941**

Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date:
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	Task Type: FS-Shutdown 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.	

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 754 244 946 CA	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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FS Inspection Report

Service Request #	**1150972**
Inspection Report #	**4682690**

Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 03, 2015**
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	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: 795099 ONTARIO INC.

Line	Reference and Order(s)	Compliance Date
672854-1	Liquid Fuels Handling Code 2007. 2.4.2.1 Where an underground storage tank is out of service for 2 years or more, the owner of the tank system or the owner of the property on which the tank is located shall remove the tank from the ground. SITE OUT OF USE MORE THAN 2 YEARS	APR 29, 2016
672854-2	Liquid Fuels Handling Code 2007. 8.3.1 Where an underground storage tank(s) has been removed permanently and the property no longer maintains any fuel storage equipment or tank systems, the owner or operator of the facility, the owner or operator of the storage tank systems, or the owner of the property on which the equipment is installed, as the case may be, shall: (a) submit an assessment report to TSSA that delineates the full extent of any petroleum product that has escaped into the environment or inside a building both on site and, where necessary and practical, off site; and (b) immediately notify the Ontario Ministry of the Environment in accordance with the Environmental Protection Act, as amended, and the Ontario Water Resources Act, as amended.	APR 29, 2015
672854-3	ONTARIO REGULATION 217/01. (LIQUID FUELS) 3. (1) Every person engaged in an activity, use of equipment, process or procedure to which the Act and this Regulation apply shall comply with the Act and this LIQUID FUELS REGULATION O. Reg. 217/01. s. 3 (1). YOU ARE REQUIRED TO HAVE THE EQUIPMENT REMOVED AND COMPLETE AND SEND IN TO TSSA.	

Task Notes

FIND ATTACHED YOUR COPY OF THE FUEL SAFETY INSPECTION ON FEB 03 2015. SHOULD YOU HAVE ANY QUESTIONS ABOUT THIS REPORT, CONTACT DAVID NORMAN AT 613-2977422

If you have questions regarding your invoice, when received, contact TSSA billing department by telephone at 1-877-682-TSSA (8772)or customerservices@tssa.org

TRAVEL, SITE INSPECTION DOCUMENTATION AND REPORT PREPARATION BILLED IN ACCORDANCE WITH TSSA POLICY

This inspector has no control over billing.

ON SITE FOR FOLLOW UP INSPECTION ORDERS RE ISSUED.

INSPECTOR HAS ISSUED TIME SENSITIVE INSTRUCTIONS.

THIS IS ASSIGNED AS A FS Declaration of Compliance AND MUST BE FILED OUT AND SENT IN TO ADDRESS OR FAX AT BOTTOM OF FORM.

ALL INSTRUCTIONS MUST BE COMPLETED BY THE DUE DATE AND SENT TO TSSA OR A BILLABLE FOLLOW UP INSPECTIONS WILL APPLY.

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 754 244 946 CA	**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
www.tssa.org

FS Inspection Report

Service Request #	**1150972**
Inspection Report #	**4682690**

Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 03, 2015**
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	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 ORDERED TO COMPLY WITH THE ABOVE INSTRUCTIONS BY COMPLIANCE DATE AS PER Section 19 of the TSSAct, 2000!

ALL PETROLEUM WORK TO BE COMPLETED BY A LICENSED PETROLEUM MECHANIC!

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 (416-231-5435) complete with the following information
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 contact TSSA at 416-734-3599 or email dcreporting@tssa.org

Every person who,(a) contravenes or fails to comply with any provision of this Act, the regulations or a Minister's order;(b) knowingly makes a false statement or furnishes false information under this Act, the regulations or a Minister's order;(c) contravenes or fails to comply with a term or condition of an authorization;(d) contravenes or fails to comply with an order or requirement of an inspector or obstructs an inspector,is guilty of an offence and on conviction is liable to a fine of not more than $50,000 or to imprisonment for a term of not more than one year, or to both, or, if the person is a body corporate, to a fine of not more than $1,000,000.(Technical Standards and Safety Act, 2000, Section 37 (1))

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 754 244 946 CA	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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(Note: This is not an invoice)

TECHNICAL STANDARDS and SAFETY AUTHORITY

14th Floor, Centre Tower
3300 Bloor Street West
Toronto, Ontario M8X 2X4
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FS Inspection Report

Service Request #	**1150972**
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Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **FEB 03, 2015**
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	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.	

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Toronto, Ontario M8X 2X4
Toll free 1-877-682-8772
www.tssa.org

FS Inspection Report

Service Request #	**1150972**
Inspection Report #	**5499661**

Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **SEP 23, 2015**
	Facility Type: **FS Gasoline Station - Full Serve**	Equipment Type:
Customer Name and Address: **795099 ONTARIO INC.** **5992 HAZELDEAN RD PO BOX 842** **STITTSVILLE;ON** **CA K2S 1B9**	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: 795099 ONTARIO INC.

Line	Reference and Order(s)	Compliance Date
672854-2	Liquid Fuels Handling Code 2007. 8.3.1 Where an underground storage tank(s) has been removed permanently and the property no longer maintains any fuel storage equipment or tank systems, the owner or operator of the facility, the owner or operator of the storage tank systems, or the owner of the property on which the equipment is installed, as the case may be, shall: (a) submit an assessment report to TSSA that delineates the full extent of any petroleum product that has escaped into the environment or inside a building both on site and, where necessary and practical, off site; and (b) immediately notify the Ontario Ministry of the Environment in accordance with the Environmental Protection Act, as amended, and the Ontario Water Resources Act, as amended.	NOV 30, 2016
672854-3	ONTARIO REGULATION 217/01. (LIQUID FUELS) 3. (1) Every person engaged in an activity, use of equipment, process or procedure to which the Act and this Regulation apply shall comply with the Act and this LIQUID FUELS REGULATION O. Reg. 217/01. s. 3 (1). YOU ARE REQUIRED TO HAVE THE EQUIPMENT REMOVED AND COMPLETE AND SEND IN TO TSSA.	

Task Notes

FIND ATTACHED YOUR COPY OF THE¬¬ FUEL SAFETY INSPECTION ON SEPT 22 2015. SHOULD YOU HAVE ANY QUESTIONS ABOUT THIS REPORT, CONTACT DAVID NORMAN AT 613-2977422

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TRAVEL, SITE INSPECTION DOCUMENTATION AND REPORT PREPARATION BILLED IN ACCORDANCE WITH TSSA POLICY

This inspector has no control over billing.
ON SITE TANKS ARE OUT OF THE GROUND ENVIRONMENTAL REQUIREDTO BE SENT IN.

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

Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 583328719 CA	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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(Note: This is not an invoice)

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Service Request #	**1150972**
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Inspection Address: **5938 HAZELDEAN RD** **STITTSVILLE;ON** **CA K2S 1B9**	Reference Number(s):	Inspection Completion Date: **SEP 23, 2015**
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	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.	

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_____

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Submission:
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1. The Service Request number from the Inspection Report as the Subject line.
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Customer Signature & Position / Date:		**Inspector Name:** Norman, David	**Inspector Contact Number:** 613-284-8284
Report Received By: EXPRESS POST LT 583328719 CA	**Customer Contact Number:**	**Inspector Email**: DNorman@tssa.org	**Inspector Fax**: 613-284-8296

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(Note: This is not an invoice)

APPENDIX H

MECP Freedom of Information Record

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

December 19, 2024

Mr. Mohit Bhargav
GEMTEC Consulting
32 Steacie Drive
Kanata, Ontario K2K 2A9
mohit.bhargav@gemtec.ca

Dear Mohit Bhargav:

RE: **MECP FOI A-2024-07941, Your Reference 104054.001 – Decision Letter**

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

5884, 5872, & 5880 Hazeldean Road AND 7 Savage Drive, Ottawa

Timeframe: January 1st, 1985 to December 6th, 2024

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

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

If you have any questions, please contact Daniela Jaramillo at daniela.jaramillo@ontario.ca.

Yours truly,
Daniela Jaramillo

for
Josephine DeSouza
Manager, Access and Privacy Office

APPENDIX I

Aerial Photographs

HISTORICAL AERIALS

Project Property: 104054.001
5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive
Ottawa ON K2S 1B9

Project No:

Requested By: GEMTEC Consulting Engineers and Scientists Limited (Ontario)

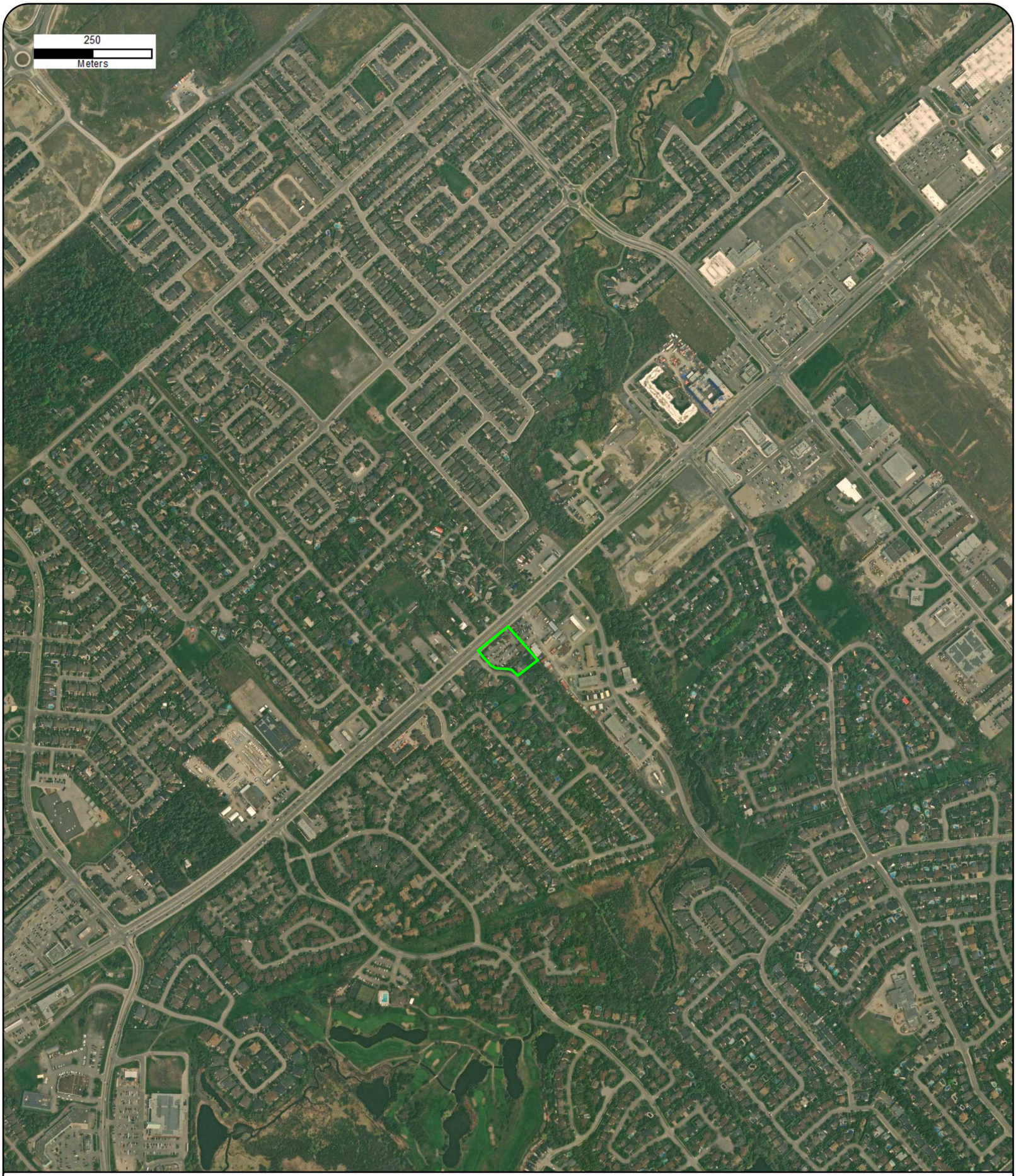
Order No: 24111800922

Date Completed: December 03,2024

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

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	
1959	National Air Photo Library	10,000	
1945	National Air Photo Library	10,000	
1920	Decade Coverage Unavailable	10,000	



Year: 2023
Source: MAXAR
Scale: 10,000
Comment:

Address: 5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive, Ottawa, ON
Approx Center: -75.91921415,45.2778056

Order No: 24111800922

ERIS

Year: 1959
Source: NAPL
Scale: 10,000
Comment:

Address: 5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive, Ottawa, ON
Approx Center: -75.91921415,45.2778056

Order No: 24111800922

ERIS

Year: 1945
Source: NAPL
Scale: 10,000
Comment:

Address: 5872, 5880 & 5884 Hazeldean Road and 7 Savage Drive, Ottawa, ON
Approx Center: -75.91921415,45.2778056

Order No: 24111800922

ERIS

APPENDIX J

Photographs – Phase One Property

1

View of the Phase One Property on the Westend Automotive lot looking towards all three onsite structures

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J** File No. 104054.001	**Site Photographs (January 2025)**

Photo of the residential structure at 7 Savage Drive.

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J** File No. 104054.001	**Site Photographs (January 2025)**

3

Photo of the structure currently used as a maintenance garage for Westend Automotive

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J** File No. 104054.001	**Site Photographs (January 2025)**

Photo of oil waste drums, and solid waste from Westend Automotive along the northern boundary of 5872 Hazeldean Road.

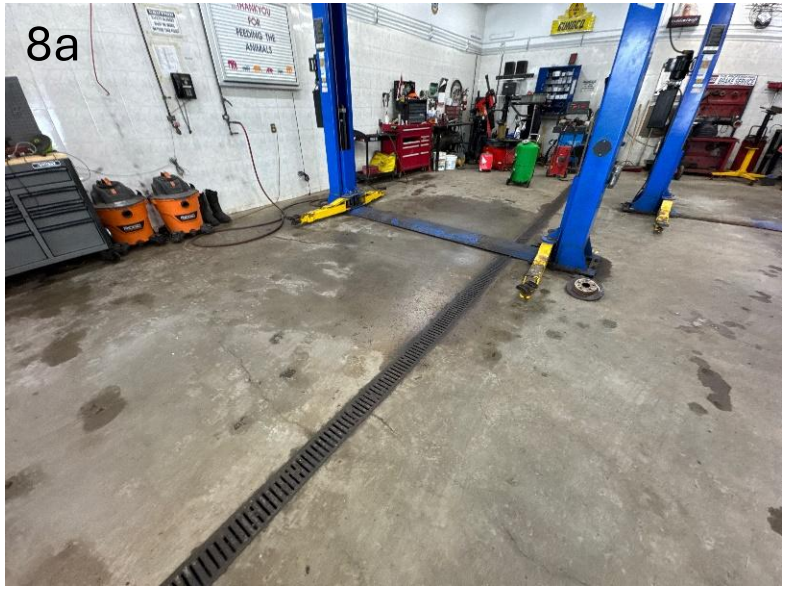
Gas cannisters, paints, and lubricants stored in the basement of the Westend Automotive office building.

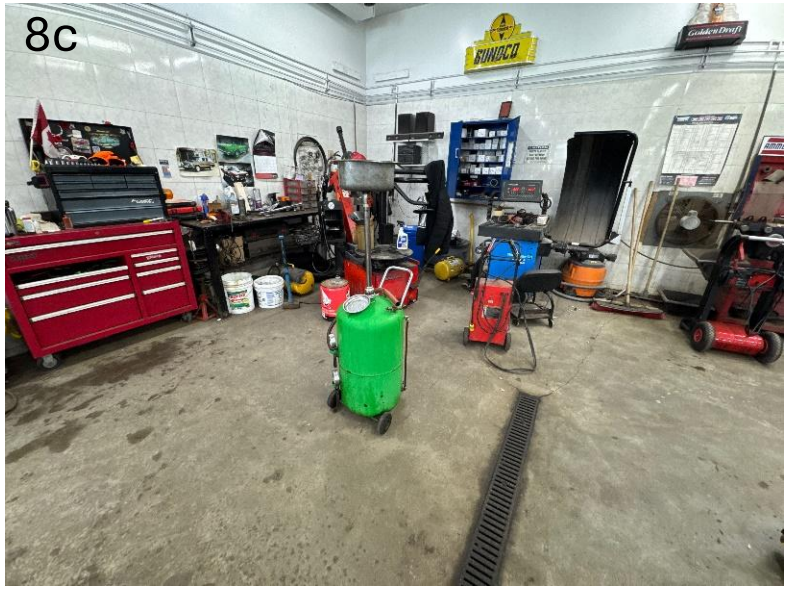
Photo of the sump pump present in the basement of the Westend Automotive office building.

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J** File No. 104054.001	**Site Photographs (January 2025)**

Areas of tire storage present on the property at 5872 Hazeldean Road.

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J** File No. 104054.001	**Site Photographs (January 2024)**





Photos from inside the Westend Automotive garage building at 5872 Hazeldean Road. The photographs illustrate the hydraulic lift, drain, multiple tools, oils, lubricants and other materials ritually used for vehicle maintenance. Note: No photo of the oil water separator is available since it was floored over and not accessible.

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J**	**Site Photographs (June 2024)**
		File No. 100418.103	

Multiple services present on the site and within the study area.

GEMTEC Consulting Engineers and Scientists	Project 5872,5880& 5884 Hazeldn Rd, 7 Salvage Dr	**Appendix J** File No. 104054.001	**Site Photographs (January 2025)**

Adjacent property uses including an ESSO gas station to the north (just north of Hazeldean Road), and Canadian Express Repair Cosmetic Repair & Auto Glass (along Sweetnam Drive).

Transformers identified within the study area, a pole mounted transformer was identified along the ditch line of the property intersection of the 7 and 9 Savage Drive and a pad mounted transformer was identified in the residential area along Rowan Drive in the north of the Study area. No staining was observed.

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environmental
field services
materials testing

civil
géotechnique
environnementale
surveillance de chantier
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