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Phase One Environmental Site Assessment Update
1055 Klondike Road
Ottawa, Ontario

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Submitted to:

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240 Michael Cowpland Drive, Suite 200
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Phase One Environmental Site Assessment Update
1055 Klondike Road
Ottawa, Ontario

June 10, 2021
Project: 64153.85

GEMTEC Consulting Engineers and Scientists Limited
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Ottawa, ON, Canada
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June 10, 2021 File: 64153.85 – R01

Brian Saumure, Maple Leaf Custom Homes
C/O Novatech
240 Michael Cowpland Drive, Suite 200
Ottawa, Ontario
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Attention: Mr. Brian Saumure

Re: Phase One Environmental Site Assessment Update

Enclosed is our Phase One ESA Update report for the above noted property. The report presented herein is based on the scope of work summarized in the e-mail communication dated April 26, 2021. This report was prepared by Rhian Fox B.Sc, and senior review by Su-Kim Roy M.Eng., P.Eng.

Rhian Fox, BSc.
Environmental Technologist

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RF/NS/SKR/md

Enclosures
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EXECUTIVE SUMMARY

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Mr. Brian Saumure of Maple Leaf Homes to carry out an updated Phase One Environmental Site Assessment (ESA) for the property located at 1055 Klondike Road in Ottawa, Ontario (hereafter referred to as "the subject property" or "subject site"). It is understood that a Phase One ESA is required in support of a Site Plan Control Application with the City of Ottawa.

A Phase One ESA was previously completed by GEMTEC for the subject property titled "*Phase One Environmental Site Assessment, 1055 Klondike Road, Ottawa, Ontario*", dated October 2, 2018. However, under Section 28.1(a) of Ontario Regulation 153/04, information provided in a Phase One ESA is generally only considered valid if "*the date the last work on all of the records review, interviews and site reconnaissance required for the phase one environmental site assessment that is the subject of the report was done is no later than 18 months before*." An updated Phase One ESA is required to support the Site Plan Control Application, as the previous Phase One ESA report for the subject property is past this validity period.

This Phase One ESA was completed in general accordance with the CSA Group standard Z768-01 (R2016), and O.Reg. 153/04 as amended. It should be noted that this Phase One ESA is not sufficient to support the submission of a Record of Site Condition (RSC) in accordance with Ontario Regulation (O.Reg.) 153/04.

The primary objective of this Phase One ESA was to identify any former or current potentially contaminating activities at the subject property and within the vicinity to develop a preliminary determination of the likelihood of contamination in soil or groundwater, and to determine the need for a Phase Two ESA. The general objectives were met though the evaluation of the information gathered from the review of records, an interview and a site reconnaissance.

Based on the Phase One ESA findings, two Areas of Potential Environmental Concern (APECs) were identified on the subject property as summarized below:

APEC 1: Debris from Historical Fire

Through observations made during the site reconnaissance and an interview with the site representative, remnant burnt building material and debris was identified with the historical building footprint of a structure prior to a fire in July 2018 which destroyed the structure. The potentially associated contaminants of concern are metals and PAHs in soil and groundwater. This APEC is present towards the centre of the subject site approximately 10 meters northeast from the other historical building footprints whose structures were destroyed in a fire in June 2018.

APEC 2: Fill of Unknown Origin Identified During a Previous Geotechnical Investigation

Through a review of historical reports, fill of unknown origin was identified throughout the subject site. The potentially associated contaminants of concern are metals, inorganics, PHC F1-F4, VOCs and PAHs in soil and groundwater. This APEC is present across the subject site.

Based on GEMTEC's review of available historical information pertaining to the subject site and adjacent properties, the interviews completed and site reconnaissance undertaken, two APECs were identified to be present on the subject property. As such, completion of a Phase Two ESA is recommended to investigate soil and groundwater quality within the APECs on the subject property.

Moreover, based on the results of the Phase Two ESA investigation completed by GEMTEC in 2019, it is expected that contaminated soil as defined by current MECP regulations will be encountered during the proposed construction in the area of GS-N within the former building footprint. Based on the nature of the contaminants identified (Zinc) and debris identified in the former building footprint, it is recommended that soil and debris be disposed of at an approved facility subject to a toxicity characteristic leaching procedure (TCLP) analysis and confirmatory sampling be carried out by a Qualified Person, as defined by O.Reg. 153/04.

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1.0 INTRODUCTION

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained by Mr. Brian Saumure of Maple Leaf Homes to carry out an updated Phase One Environmental Site Assessment (ESA) for the property located at 1055 Klondike Road in Ottawa, Ontario (hereafter referred to as "the subject property" or "subject site"). It is understood that a Phase One ESA is required in support of a Site Plan Control Application with the City of Ottawa.

The subject property consists of a land parcel with an approximate area of 11 acres. The subject site is bounded to the north by 989 Marconi Avenue, to the east by 989 Marconi Avenue and 1045 Klondike Road, to the south by Klondike Road, and to the west by 812 March Road and 830 March Road. A key plan of the subject property is shown on Figure A.1, Appendix A.

This Phase One ESA was completed in general accordance with the CSA Group standard Z768-01 (R2016), and O.Reg. 153/04 as amended. It should be noted that this Phase One ESA is not sufficient to support the submission of a Record of Site Condition (RSC) in accordance with Ontario Regulation (O.Reg.) 153/04. The Phase One ESA was conducted by GEMTEC staff members whose qualifications are provided in Appendix B.

1.1 Phase One ESA Property Information

The legal description for 1055 Klondike Road, Ottawa, Ontario is as follows:

- Part of Lot 11, Concession 4, being Part 3 on Plan 5R-3477, City of Ottawa; PIN 04527-0091

The subject property is presently owned by the Village at the Schoolyard Inc. The contact person for the subject property at the time of this reporting is Mr. Brian Saumure.

2.0 SCOPE OF THE INVESTIGATION

2.1 General Objectives

The Phase One ESA was conducted in general accordance with O.Reg. 153/04 as amended, and current industry standards, as outlined within CSA Group standard Z768-01. The general objectives of the Phase One ESA were:

- To update the Phase One ESA completed in 2018 by GEMTEC for the subject property;
- To develop a preliminary determination of the likelihood of contamination in soil or groundwater at the subject property; and,
- To determine the need for a Phase Two ESA.

The general objectives were met though the evaluation of the information gathered from the review of 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

In order to identify actual or potential sources of contamination within the study area, a review of information from the following sources was conducted:

- Bedrock and Overburden Geology Maps – Overburden and bedrock geology maps provided by Natural Resources Canada were reviewed in order to identify the underlying soil deposits and bedrock types.
- Title Abstract – A chain of title abstract for the subject property was provided by EcoLog ERIS and is included in Appendix C.
- EcoLog ERIS Databases – The EcoLog ERIS report searches more than 50 public and private information databases to identify potential environmental concerns. An EcoLog ERIS report was obtained for the subject site and a 250-metre-buffer surrounding the subject site. A copy of the EcoLog ERIS Report is provided in Appendix D.
- A records search was requested from the TSSA for the subject site and adjacent properties located at 788, 806, 812, 830, and 886 March Road, and 1032, 1045, 1055, 1056, 1078 and 1100 Klondike Road. The TSSA search results are provided in Appendix E.
- GeoOttawa and National Air Photo Library Aerial Photographs – Aerial photographs from the years 1934, 1952, 1965, 1976, 1991, 1999, 2002, 2005, 2007, 2008, 2009, 2011, 2014, 2015, and 2017 were reviewed for the subject site and study area. The photographs were reviewed in order to identify areas of potential environmental concern resulting from historical land uses on the subject site and surrounding areas. The 1934 and 1952 aerial photograph ordered as part of this investigation can be found in Appendix F. GeoOttawa aerials and aerials reviewed from historical reports are not included as part of this report due to copyright limitations.
- Fire Insurance Maps and Reports – Based on knowledge of the study area and property use, fire insurance plans were not requested for the subject property.
- City Directories – A City Directory Report was provided by ERIS for the subject site and surrounding properties from 1984-2006. A copy of the City Directory Report is provided in Appendix G.
- Well Records - The Ministry of Environment, Conservation and Parks (MECP) Well Records for the subject property and 250-meter-buffer surrounding the subject site was reviewed for wells.
- Historical Land Use Inventory (HLUI) Information Request- A HLUI search was requested for the subject site and a 50-metre-buffer surrounding the subject site. A copy of the HLUI response letter is provided in Appendix H.

- Freedom of Information (FOI) – FOI searches completed through the Ministry of the Environment, Conservation and Parks (MECP) consist of information obtained from documents and records from the Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch.
- "*Mapping of Federally owned Contaminated Sites*" prepared by Treasury Board of Canada Secretariat was reviewed.
- "*Mapping and Assessment of Former Industrial Sites, City of Ottawa*" dated July 1988 and prepared by Intera Technologies Ltd. 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 One – Identification of Sites, City of Ottawa, Ontario*" dated October 2004 and prepared by Golder Associates Ltd. was reviewed.

2.3 Interview/ E-mail Correspondence

The objective of the interview/ e-mail correspondence was to assist in the identification of potentially contaminating activities (PCAs) that may have led to areas of potential environmental concern (APECs) at the subject property.

2.4 Site Reconnaissance

The subject property was visually assessed to document current conditions and to evaluate the potential for environmental impacts to on-site soil and groundwater. The site was also inspected to identify if any possible preferential pathways such as underground utilities exist on the subject property that may affect the fate, transport and distribution of contaminants. Adjacent properties were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the subject property.

Photographs were taken to support observations, and are provided in Appendix I.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

The subject property has an area of approximately 11 acres and is located at 1055 Klondike Road in Ottawa, Ontario. Based on the review of selected historical aerial photographs, the subject property was developed sometime prior to 1934, with agricultural land use and structures on the subject property. Historical land use in the study area was predominantly agricultural with commercial developments concentrated to the south along March Avenue starting in 2009.

Based on this information, a study area of 250 metres surrounding the subject property is deemed sufficient for the purpose of this Phase One ESA. The location of the subject property and the extent of the Phase One ESA study area, including the 250-metre radius buffer zone, are provided on Figure A.1, Appendix A.

3.1.2 First Developed Use Determination

Based on the review of selected historical aerial photographs, the subject property was developed sometime prior to 1934, with agricultural land use and structures on the subject property. Aerial photographs indicate the presence of structures and the storage of materials on the subject property starting in the 1934 aerial photograph.

3.1.3 Fire Insurance Plans

Based on our knowledge of the study area and property use, fire insurance plans were not requested for the subject property.

3.1.4 Historical Reports

Four historical reports and one news article were available for review.

3.1.4.1 Preliminary Geotechnical Investigation by GEMTEC (dated April 2017)

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC), formerly Houle Chevrier Engineering Ltd., conducted a preliminary geotechnical investigation and slope stability assessment at this site. The report titled: "*Preliminary Geotechnical Investigation, Proposed Residential Subdivision, 1055 Klondike Road, Ottawa, Ontari*o", dated April 13, 2017 was reviewed for evidence of potentially contaminating activities.

At the time four boreholes numbered 17-1 to 17-4 were advanced on-site using a track mounted drill rig. The general subsurface conditions were described as topsoil, over sand and silty clay. Fill material was not identified during the preliminary geotechnical investigation.

3.1.4.2 Phase One Environmental Site Assessment, 1055 Klondike Road, Ottawa, Ontario (dated October 2018)

A Phase One ESA was completed by GEMTEC for the subject property titled "*Phase One Environmental Site Assessment, 1055 Klondike Road, Ottawa, Ontario*", dated October 2, 2018. The following APECs were identified in the Phase One ESA:

- **APEC 1- Former Aboveground Fuel Storage Tank:** Evidence from one aboveground fuel storage tank (AST) was observed during the site reconnaissance. The vent and fill pipes were observed along the eastern wall of the existing structure. The AST was identified in the basement with an approximate capacity of 900 litres and installed in 2003. The tank was likely used for heating oil storage. Due to the nature of the products

stored, the contaminants of concern for soil and groundwater are petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX). *PCA #28. Gasoline and Associated Products Storage in Fixed Tanks.*

- **APEC 2- Potential Impacts from Offsite Dry cleaning facility:** An offsite dry cleaning facility was identified during the site reconnaissance in the study area. Based on the proximity to the subject site, potential environmental concern to the subject site relating to the historical dry cleaning activities may be present along the northwest property boundary of the subject property. Due to the nature of the products stored, the contaminants of concern for soil and groundwater are volatile organic compounds (VOCs). *PCA #37. Operation of Dry Cleaning Equipment (where chemicals are used).*
- **APEC 3- Debris and fill of unknown origin during the fire:** On June 10, 2018, a fire occurred on the subject site following the initial Phase One ESA site visit. The fire significantly damaged two of the three historical structures on the subject site, and they were subsequently demolished. Based on a visual site inspection, the area within the historical building footprint was filled in. It was GEMTEC's understanding that the AST (identified as APEC 1 in the report) was removed prior to fire. Due to the fill material and debris within the building footprint, and to confirm no fuel was leaked prior to or during the fire, the contaminants of concern for soil and groundwater were noted as PHCs, and BTEX. Additional contaminants of concern for soil were metals and Polycyclic Aromatic Hydrocarbons (PAHs). *PCA #30. Importation of Fill Material of Unknown Quality*

A Phase Two ESA was recommended for the subject property to investigate the identified APECs.

3.1.4.3 Geotechnical Investigation by GEMTEC (dated April 2018)

A geotechnical investigation was completed by GEMTEC in 2018 for the subject property. The report entitled "*Geotechnical Investigation, Proposed Residential Subdivision, 1055 Klondike Road, Ottawa, Ontario*" and dated April 4, 2018 was reviewed for evidence of potentially contaminating activities.

Five boreholes were advanced on the subject property, with three standpipe piezometers. The fill material was encountered on the granular driveway at two borehole locations. The fill material was observed to extend from a depth of approximately 0.9 to 3.3 metres below ground surface. It consisted of a dark brown to brown silty sand with organic material and grey brown silty clay with pockets of dark brown organic material. One borehole was terminated at 7.7 metres below ground surface, due to auger refusal on possible bedrock. The groundwater levels measured from the standpipe piezometers ranged from 2.0 to 6.3 metres below ground surface.

The following PCA was identified as a result of the geotechnical investigation:

- Fill of unknown origin on the subject property - *PCA #30. Importation of Fill Material of Unknown Quality*

3.1.4.4 Global News Article: Fire crews battle blaze at abandoned home on Klondike Road in Kanata (June 2018)

A Global News story identified that the Ottawa fire services were called to the subject property on June 10, 2018 due to reports of heavy black smoke and flames from an abandoned house. The fire was identified upon arrival and firefighters working on the site conducted a defensive attack on the fire due to the questionable stability of the structure. Upon extinguishment of the fire, the roof and rear addition of the structure had collapsed.

3.1.4.5 Phase Two Environmental Site Assessment, 1055 Klondike Road, Ottawa, Ontario (dated May 2019)

A Phase Two ESA was completed following recommendations provided in the 2018 Phase One ESA. The report entitled "*Phase Two Environmental Site Assessment, 1055 Klondike Road, Ottawa, Ontario*", dated May 17, 2019 was reviewed for evidence of potentially contaminating activities.

The Phase Two ESA investigated the APECs identified in the Phase One ESA and the results of the investigation for each APEC are summarized below:

APEC 1- Aboveground Fuel Storage Tank: Groundwater results indicated petroleum hydrocarbon fraction F3 (PHC F3) contaminated groundwater at monitoring well locations BH18-5 and BH18-3 in May 2018. To confirm the exceedance and assess the groundwater conditions following the fire, additional groundwater sampling following monitoring well development was recommended and carried out in August 2018. Monitoring well BH18-3 was re-sampled for PHCs and BTEX in August 2018. The results were non-detect for all parameters analyzed. Due to low water levels, the monitoring well at BH18-5 could not be re-sampled. To address this, an additional monitoring well BH19-2 was advanced in March 2019 between the former aboveground fuel storage tank and BH18-5. The groundwater sample from BH19-1 was submitted for PHCs and BTEX, and no exceedances were identified. No PHCs and BTEX impacted soil was identified during the investigation.

APEC 2- Potential Impacts from Offsite Dry cleaning facility: Soil and groundwater results from BH18-5 did not identify any VOCs contaminated soil or groundwater.

APEC 3- Debris and fill of unknown origin during the fire: Soil results indicated zinc contaminated soil at GS-N, a grab sample collected from within the footprint of the former historical structures. No PAHs, BTEX, or PHCs impacted soil or groundwater were identified.

Based on the results of the Phase Two ESA investigation, it is expected that contaminated soil as defined by current MECP regulations will be encountered during the proposed construction in the area of GS-N within the former building footprint. Based on the nature of the contaminants identified (Zinc) and debris identified in the former building footprint, it is recommended that soil and debris be disposed of at an approved facility subject to a toxicity characteristic leaching procedure (TCLP) analysis to confirm waste classification.

Note: According to Mr. Saumure, a second fire occurred approximately a month after the first fire (which occurred in June 2018) which reportedly destroyed a third on-site structure. As only the June 2018 fire was reported to GEMTEC prior to the 2019 Phase Two ESA investigation, samples were only taken from the footprint of two of the former on-site structures. No additional environmental work was completed at the site of the fire which reportedly destroyed the third structure.

3.1.5 Environmental Source Records and Databases

3.1.5.1 Chain of Title

A chain of title search for the subject property was requested from Wentzell Titles of Kemptville, Ontario and is included in Appendix C The legal description for 1055 Klondike Road is Part of Lot 11, Concession 4, being Part 3 on Plan 5R-3477, City of Ottawa; PIN 04527-0091. The highlights of the chain of title search are described below:

- The subject property was first purchased from the Crown by Joseph Maxwell in 1824; and,
- The property has been owned by different private owners until the land was acquired by the Village at the Schoolyard Inc. in 2017.

No PCAs were identified from the review of the title search.

3.1.5.2 EcoLog ERIS Database Report

GEMTEC contacted EcoLog Environmental Risk Information Services Ltd. (EcoLog Eris) to conduct a search of over fifty public and private information databases for the subject property and the area within 250 metres of the subject property. The complete EcoLog Eris report, including a list of databases searched, is provided in Appendix D. All listings were reviewed and the following entries were identified as relevant:

Table 3.1: EcoLog ERIS Report Summary

PCA	Address/ Location	Distance from Subject Property	Company/ Name	Database	Description
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	840 March Road	40 meters northwest	Sobeys Pharmacy #7263	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for pathological and pharmaceutical wastes in 2020 to 2021
OT #1: Spill	840 March Road	40 meters northwest	Sobeys Pharmacy #7263	Ontario Spills	Minor refrigerant spill due to equipment failure in 2019
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	832 March Road	80 meters southwest	Kanata North Medical Centre / Pharmx Rexall Drug Stores Ltd.	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for pathological wastes and pharmaceuticals from 2011 to 2021
OT #3: TSSA Historical Incident	121 Streamside Crescent	100 metres east	-	TSSA Historical Incidents	Pipeline strike (natural gas) in 2008.
28. Gasoline and Associated Products Storage in Fixed Tanks & OT #4: TSSA Expired Facility	1111 Klondike Road	110 metres southwest	J Tierney Jims Gas Bar	Private and Retail Fuel Storage Tanks	Gas bar/private self-serve fuel outlet listed from 1990 and listed as expired as of 2009
OT #5: Record of Site Condition	1092 Klondike Road and 788 March Road	140 metres southeast	Imperial Oil Limited	Record of Site Condition	RSC filed for 1092 Klondike Road and 788 March Road
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	1102 Klondike Road	145 metres southwest	G.G. Pharmacy Inc.	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for pathological and pharmaceutical wastes in 2015 to 2021
40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	1102 Klondike Road	145 metres southwest	G.G. Pharmacy Inc.	Pesticide Register	Listed as an active limited vendor of pesticides
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	1032 Klondike Road	175 meters east	Ottawa-Carleton District School Board Health and Safety	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for waste crankcase oils and lubricants in 2021
OT #3: TSSA Historical Incident	858 March Road	215 meters northwest	Construction Site (company not listed)	TSSA Historical Incident	Pipeline strike (natural gas) in 2008.
OT #1: Spill	865 March Road	220 meters west	Private Owner	Ontario Spills	Furnace oil to ground from fill pipe at private residence in 1992. Soil contamination listed as possible
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	1108 Klondike Road	240 meters south	Activecare Klondike Medical Centre/ INVIVA McKesson Pharma	Ontario Regulation 347 Waste Generators Summary	Listed as a waste generator for pathological waste from 2010 to 2021
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Part of lot 10, Concession 3	250 meters east	The Corporation of the Township of Rideau	Landfill inventory management Ontario	Closed in 1971

The unplottable report summary was reviewed to determine if any of the records were located on the subject property or within the study area. Many of the entries were only located geographically by road name, or company – due to the uncertainty related to the entries describing these activities, the entries could not be confirmed as being present within the study area.

3.1.5.3 City Directories

A review of the city directories from 1964 to 2011 was completed for the subject property and several adjacent properties including along March Road (788, 806, 812, 830, 886) and along Klondike Road (1032, 1045, 1056, 1078 and 1100).

The city directories did not identify any PCAs within the study area. A copy of the City Directory records is provided in Appendix G.

3.2 Regulatory Information

3.2.1 MECP and the City of Ottawa – Freedom of Information Request

A Freedom of Information (FOI) request for records on the subject property was sent to the MECP in April of 2021. FOI responses consist of information obtained from documents and records from the Ottawa District Office, Investigations and Enforcement Branch, Environmental Assessment and Permissions Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch.

An FOI was also submitted for records pertaining to the fire in June and July 2018 at the subject site to the City of Ottawa. The request was to obtain any and all records within the City's possession related to this incident and loss, including but not limited to, the fire report, investigations, incident reports, photos, notes, records, diagrams, statements, digital information, and witness statements.

A response to the FOI requests have not yet been received from the MECP or the City of Ottawa. If the MECP's or the City of Ottawa's response identifies records with respect to the subject property which indicate areas of potential environmental concern which have generated areas of potential concern on the subject site, the client will be notified.

3.2.2 Technical Standards and Safety Authority

The Technical Standards and Safety Authority (TSSA) was contacted on January 9, 2018, during the previous Phase One Investigation by GEMTEC, to request available records for subject site and adjacent properties including 788, 806, 812, 830 and 886 March Road, and 1032, 1045, 1055, 1056 , 1078 and 1100 Klondike Road, located in Ottawa, Ontario.

The response from the TSSA indicated that they have no available records for the above-noted properties. A copy of the search request and the response from the TSSA are provided in Appendix E.

3.2.3 Historical Land Use Inventory

A Historical Land Use Inventory (HLUI) information request was made on February 23rd, 2021, during the previous Phase One Investigation by GEMTEC, for the subject site and a 50-metre-buffer surrounding the subject site. The HLUI provides information on type and location of land use which may have caused potential contamination to soil, groundwater or surface water in the area. The response letter was reviewed and the follow PCA was identified:

- Ward's Garage (also known as Burk's Garage) - 1111 Klondike Road, southwest of the subject site (1998-2001) – *10. Commercial Auto Body Shops.*

A copy of the HLUI response letter is provided in Appendix H.

3.2.4 Mapping of Federally Contaminated Sites

A Government of Canada, Treasury Board of Canada Secretariat, interactive map of contaminated sites was reviewed. The database provides an inventory of over 4000 federally owned contaminated sites across the country. The database did not identify any federally owned contaminated sites within the study area.

3.2.5 Ontario Inventory of PCB Storage Sites

The Waste Management Branch of the Ontario Ministry of the Environment, Conservation and Parks (MECP) published an 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 within the study area.

3.2.6 Landfills

Golder Associates Ltd. published an "*Old Landfill Management Strategy – Phase One – Identification of Sites, City of Ottawa, Ontario*" dated October 2004. The publication includes information to identify old landfill sites for potential environmental considerations within the boundary of the amalgamated City of Ottawa. No landfills were identified within the study area.

3.2.7 Mapping and Assessment of Former Industrial Sites

A report entitled "*Mapping and Assessment of Former Industrial Sites, City of Ottawa*" dated July 1988 and prepared by Intera Technologies Ltd. was reviewed. The report provides an inventory and assessment of former industrial sites in the City of Ottawa from 1850 to 1984 that would have likely produced or handled hazardous waste and materials. No former industrial sites were identified on the subject property or within the study area.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Aerial photographs were obtained at regular intervals and were selected considering suitable scale for analysis and coverage area. The earliest photograph obtained was from 1934. Observations made with respect to the selected aerial photographs are summarized in Table 3.2.

The aerial photographs reviewed include the following years: 1934, 1952, 1965, 1976, 1991, 1999, 2002, 2005, 2007, 2008, 2009, 2011, and 2019.

Table 3.2: Summary of Aerial Photograph Review

Date	Photograph Number	Observations
1934	A4698-36	• The subject site appears to be developed as a residential site, with agricultural land use and structures on the subject property; • Structures visible on the northwest portion of the study area close to the subject site; • Other residential sites with agricultural land use and structures on the southwest portion of the study area; • Klondike Road and March Road are both visible at this time; • Shirley's Brook is visible on the western portion of the property, along a treeline; and, • Some undeveloped lands are present within the study area.
1952	A13380-53	• No significant changes from the 1934 Aerial Photograph.
1965	GeoOttawa – Publically Available	• No significant changes from the 1952 Aerial Photograph
1976	GeoOttawa – Publically Available	• Structures that were visible on the northwest portion of the study area in 1934 have been removed; and, • A residential structure has been developed on the southeast portion of the subject site.
1991	GeoOttawa – Publically Available	• Development occurred southeast of the subject site.
1999	GeoOttawa – Publically Available	• Residential subdivision development occurred southeast of the subject site
2002	GeoOttawa – Publically Available	• Residential subdivision development occurred southwest of the subject site
2005	GeoOttawa – Publically Available	• Residential subdivision development occurred in the west and northeast of the subject site
2008	GeoOttawa – Publically Available	• Residential subdivision development occurred in the surrounding area of the subject site
2011	GeoOttawa – Publically Available	• Commercial development occurred west of the subject site whose structures still exist presently.
2019	GeoOttawa – Publically Available	• No significant changes from the 2011 Aerial Photograph

Photos from the national air photo library were ordered for 1934 (A4698-36) and 1952 (A13380-53) and can be found in Appendix F.

3.3.2 Topography, Hydrology and Geology

A topographic map based on Ontario Basic Mapping is provided on the Topographic Map, shown on Figure A.2, Appendix A. The subject property has a relatively flat topography, with a slope towards Shirley's Brook along the west property line. The property has an elevation of approximately 70 metres above sea level. Surrounding topography generally slopes gradually downwards towards Shirley's Brook, which is located to the west of the subject property. The overall topography generally slopes downwards to the Ottawa River, located approximately 2.5 kilometers northeast.

Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of clay and silt and sand and gravel with a thickness ranging from 5 to 10 metres. The bedrock is mapped as Paleozoic sandstone and dolostone of the March Formation.

Groundwater flow often reflects topographic features and typically flows toward nearby lakes, rivers and wetland areas. Based on the topography of the area, it is expected that the local shallow groundwater flow will trend towards the northwest.

3.3.3 Fill Materials

In a geotechnical investigation completed by GEMTEC dated April 2018, five boreholes were advanced on the subject property. Unknown fill material was encountered at two of the borehole locations along the existing granular driveway. The fill material extends from a depth of approximately 0.9 to 3.3 metres below ground surface (mbgs), consisting of a dark brown to brown silty sand with organic material and grey brown silty clay with pockets of dark brown organic material.

The Phase One investigation completed by GEMTEC in 2018, also identified debris and fill of unknown origin within the historical building footprint following a fire reportedly which occurred in June 2018.

Additionally, during the site reconnaissance, potential fill material pile of unknown quality was observed on the subject property. Unknown fill was observed at the end of the gravel path in close proximity to the historical residential building footprint. Upon discussing the origins of the unknown fill pile during an interview with the site representative, Brian Saumure, it was determined that this fill was recently brought in by Latimer Excavating from a sand pit on Vances Side Road in Dunrobin as part of the demolition and reinstatement work following the on-site fires. This fill was used to fill in the hole which was the crawl space of the former residential building. This fill was identified as an APEC during the Phase One investigation

completed by GEMTEC in 2018 and was sampled for metals, PAHs, BTEX and PHCs during the Phase Two investigation completed by GEMTEC in 2019. Soil results indicated zinc contaminated soil from within the footprint of the former historical structures. No PAHs, BTEX, or PHCs impacted soil or groundwater were identified. However, the fill material observed during the borehole drilling program as part of the 2018 geotechnical investigation pre-dates the fire re-instatement fill brought in from the Latimer site and thus, would still be considered fill of unknown quality.

Fill material of unknown quality is identified as a potential source of contamination, in accordance with O.Reg. 153/04. Accordingly, to support site plan control application and GEMTECs experience with the requirements as set out by The City of Ottawa, the fill of unknown quality identified across the subject property during the geotechnical investigation as summarized above would result in a PCA:

- *PCA #30. Importation of Fill Material of Unknown Quality.*

3.3.4 Water Bodies and Areas of Natural Significance

No provincially significant wetlands (PSWs) or areas of natural and scientific interest (ANSIs) were identified on the subject property or within the study area. Shirley's Brook is located on the subject property, along the western property line.

3.3.5 Well Records

Well records available through the Ministry of the Environment Conservation and Parks (MECP) for a 250-metre radius from the centre of the subject property were reviewed as part of the Phase One ESA. Twenty-eight wells were identified within this search radius. The locations of the adjacent water wells, based on the UTM coordinates provided in the water well records, have been plotted on Figure A.3, Appendix A.

The average depth to the static water level, based on review of the information provided in the available well records, was approximately 3.8 mbgs.

The MECP well records indicate that the stratigraphy of the overburden in the area generally consists of a 6.2 metre layer of sand over clay or silt. Bedrock was encountered in fourteen of the wells.

4.0 INTERVIEWS

Two individuals were interviewed in order to assist in the identification of potentially contaminating activities (PCAs) that may have led to areas of potential environmental concern (APECs) at the subject property. Mr. Brian Saumure was interviewed as the representative of the current site owner and Mr. Jimmy Fata was interviewed with respect to the fires which took place in June and July 2018 at the subject site.

4.1 Interview with Site Owner

The first interview was carried out over the phone with Mr. Brian Saumure on May 13, 2021 and a follow-up call on May 20, 2021. Mr. Saumure was identified as an interview candidate because he is the representative for the Village at the Schoolyard Inc. The Village at the Schoolyard Inc. has been managing the property since 2017. Details of the interview are summarized as follows:

- Mr. Saumure confirmed that the subject site has been owned by the Village at the Schoolyard Inc. since 2017 and was purchased from members of the Armstrong/Maxwell family who had previously owned the property for over 100 years;
- Mr. Saumure indicated that no structures have existed on the subject site following the two fires which occurred in June 2018 and July 2018;
- Mr. Saumure confirmed that historically the subject site utilized well and septic for water and sewer services;
- Mr. Saumure confirmed that future development of the subject site will be municipally serviced with water and sewer by the City of Ottawa. Other utilities including hydro and gas will be provided by utility providers;
- Mr. Saumure confirmed that the anticipated future development will include residential development and community pathways including semi-detached houses, townhomes, a multi-unit apartment structure, proposed walkways and a cul-de-sac on the subject site;
- Mr. Saumure identified the fill of unknown origin at the end of the gravel path observed during the site reconnaissance to be fill which was brought in by Latimer Excavating from a sand pit on Vances Side Road in Dunrobin as part of the demolition. This fill was used to fill in the hole which was the crawl space of the former residential building; and;
- According to Mr. Saumure, a second fire occurred about a month after the first fire in June 2018 which destroyed a historical third structure on site, no additional environmental work was completed at the site of this fire. **Note:** this is consistent with origins of the remnant burnt building materials and debris observed northeast of the historical residential structure on the subject property during the site reconnaissance.

4.2 Interview with Ottawa Fire Services

The second interview was carried out over e-mail and the phone with Mr. Jimmy Fata on June 3, 2021 and a follow-up call on June 4, 2021. Mr. Fata was identified as an interview candidate as he is an Assistant Division Chief with the Ottawa Fire Services. Details of the interview are summarized as follows:

- Based on the interview with Mr. Fata, it was unlikely that Per- and Polyfluoroalkyl substances (PFAS) were used to extinguish the fires in June and July 2018 at the subject property.

- Mr. Fata initially offered to contact the supervisor involved in extinguishing the fires to confirm no PFAS were used. Later, Mr. Fata advised that confirmation on the use of PFAS during the fires would need to be completed through the City of Ottawa Freedom of Information Services. An FOI request was submitted on June 4, 2021.

A response to the FOI request have not yet been received from the City of Ottawa. If the City of Ottawa's response identifies records with respect to the use of PFAS or any other contaminants of potential concern, the client will be notified.

4.3 Assessment and Evaluation of Interview

The interviews with Mr. Brian Saumure and Mr. Jimmy Fata is consistent with historical records, and other information sources.

The following PCA was identified on the subject property during the interview:

- A fire occurred in July 2018 causing significant damage to the remaining third historical structure on site. Remnant burnt building materials and debris were observed in the historical building footprint approximately 10 meters northeast from the two other historical building footprints - *OT #2- Debris from Historical Fire.*

5.0 SITE RECONNAISSANCE

5.1 General Requirements

A site reconnaissance was carried out on May 12, 2021 from approximately 8:00 am to 9:00 am. The weather at the time of the site reconnaissance was partly cloudy with a temperature of approximately 10 degrees Celsius.

The site reconnaissance was completed by Ms. Rhian Fox BSc. of GEMTEC. The site reconnaissance was carried out to determine if there were visually observable environmental concerns with the subject property and/or surrounding property uses.

5.1.1 Site Photographs

Photographs of the subject property were taken during the course of the site reconnaissance to document the general condition of the subject property and any areas of potential environmental concern. The relevant photographs are presented in Appendix I. A discussion of the photographs is provided in the following table:

Table 5.1: Summary of Site Photographs

Plate Number	Orientation	Description
I1	Within subject site	Photograph of fill within the subject site. The fill was identified at the end of the gravel path in the centre of the subject site. The origin of the fill was determined during the interview with site representative Brian Saumure.
I2	Within subject site	Remnant burnt building materials and debris from the fire in July 2018 was observed in the historical building footprint of the third structure on the subject site approximately 10 meters northeast from the two other historical building footprints which burnt down in June 2018.
I3	Throughout the study area	Photographs of pole and pad mounted transformers identified throughout the study area.

5.1.2 Observations

No structures were observed on site during the site reconnaissance. Three structures existed on site prior to a fire on June 10, 2018 which burnt down the old residential farmhouse and accessory building at the end of the gravel path towards the centre of the subject property. A fire in July 2018 burnt down the remaining historical structure identified towards the centre of the subject site approximately 10 meters northeast from where the other two historical structures stood. It should be noted that only the June 2018 fire was reported to GEMTEC and therefore samples were taken from the footprint of only two of the three former structures at the time the 2019 Phase Two ESA was completed.

The following observations were made during the site reconnaissance:

- Unknown fill pile material was identified at the end of the gravel path in the centre of the subject site. Upon discussing the origins of the unknown fill pile during an interview with the site representative, Brian Saumure, it was determine that this fill was brought in by Latimer Excavating from a sand pit on Vances Side Road in Dunrobin as part of the demolition. This fill was used to fill in the hole which was the crawl space of the former residential building. The fill was identified as an APEC during the Phase One investigation completed by GEMTEC in 2018 and was sampled for metals, PAHs, BTEX and PHCs during the Phase Two investigation completed by GEMTEC in 2019. Soil results indicated zinc contaminated soil from within the footprint of the former historical structures. No PAHs, BTEX, or PHCs impacted soil or groundwater were identified.
- Remnant burnt building materials and debris was observed towards the centre of the subject site approximately 10 meters northeast from building footprint of the historical residential structure; and,
- The site has access to hydro, municipal water, natural gas, and sanitary and storm sewer.

5.2 Specific Observations within the Study Area

5.2.1 Services

Adjacent properties and structures in the study area are fully serviced with overhead hydro, municipal water, natural gas, and sanitary and storm sewers. Sewers were observed in the streets adjacent to the subject property.

5.2.2 Water Bodies and Areas of Natural Significance

Shirley's Brook was identified on the subject property, along the west property line. An unevaluated wetland is located north and west of the subject site.

5.2.3 Surrounding Properties

The following general observations were made for the properties surrounding the subject property:

- Residential homes are located in the vicinity of the subject property to the north, south, and east;
- Commercial businesses are concentrated along March Road to the west of the subject property, with some community and institutional uses observed along Klondike Road.

The following PCA was identified on the subject property during the site reconnaissance:

- Remnant burnt building materials and debris from the fire in July 2018 was observed in the historical building footprint of the third structure on the subject site approximately 10 meters northeast from the two other historical building footprints which burnt down in June 2018- *OT #2- Debris from Historical Fire.*

The following PCA was identified in the study area during the site reconnaissance:

- Dry Cleaners located at 846 March Road. *PCA #37. Operation of Dry Cleaning Equipment (where chemicals are used).*

5.3 Enhanced Investigation Property

The Phase One ESA property is not an enhanced investigation property, since the available information indicates that the subject property has never been used as a commercial garage, gasoline outlet, dry cleaning facility or for other industrial purposes.

5.4 Hazardous Materials

5.4.1 Lead

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

Based on the initial site development (anticipated prior to 1934) and additions since, it is possible that lead based paints have been used on the subject property in the past.

5.4.2 Mercury

Mercury is commonly found in thermostats and electrical switches, as well as mercury vapour-containing fluorescent light bulbs.

Based on the initial site development (anticipated prior to 1934) and additions since, it is possible that mercury containing items have been present on the subject property in the past.

5.4.3 Storage Tanks

Before it was destroyed in the fire in June 2018 and subsequently removed from the site, one aboveground fuel storage tank (AST) was observed in the basement of the residential structure on the subject site. The AST had an approximate capacity of 900 liters and was installed in 2003. The AST was used for storing heating oil. **Note:** Impacts to soil and groundwater from this APEC were investigated by GEMTEC in 2019 during a Phase Two ESA completed for the property. Although initial exceedances to the applicable regulatory criteria for PHC F3 were noted, follow-up supplemental sampling of groundwater from monitoring well locations located within this APEC indicated no exceedances to the applicable regulatory criteria for any of the contaminants of concern.

5.4.4 Polychlorinated Biphenyl (PCBs)

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

Pole mounted and pad mounted transformers were identified in the study area the time of site reconnaissance. The transformers appeared to be in good condition with no evidence of leaking or staining.

5.4.5 Asbestos Containing Materials (ACM)

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

Based on the initial site development (anticipated prior to 1934) and additions since, it is possible that ACM building materials have been used in construction, and may be present on the subject property.

5.4.6 Urea Formaldehyde Foam Insulation (UFFI)

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

Based on the initial site development (anticipated prior to 1934) and additions since, it is possible that UFFIs have been present on the subject property in the past.

5.4.7 Solid Waste Disposal Practices

No waste or disposal locations were identified on the subject property at the time of site reconnaissance. Waste bins were identified northeast of the existing structure. Regular municipal waste collection is available in the study area.

5.4.8 Ozone Depleting Substances

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

No ozone depleting substances were identified during the site reconnaissance.

5.4.9 Radon Gas

Radon is a colourless, tasteless radioactive gas with a very short half-life of 3.8 days. The health risk potential of radon is associated with its rate of accumulation within confined areas, particularly confined areas near or in the ground, such as basements, where vapours can readily transfer to indoor air from the ground through foundation cracks or other pathways. Large, adequately ventilated rooms generally present limited risk for radon exposure.

Based on GEMTECs review of the map entitled 'Radon Potential Map Ontario', the subject property is within a guarded potential radon hazard area (REMC, 2011).

Actual radon concentrations can only be determined using Long-term Measurement techniques, as described within Health Canada's 'Guide for Radon Measurements in Public Buildings' document (Health Canada, 2016).

5.5 Unidentified Substances

No unidentified substances were identified at the time of the site reconnaissance.

5.6 Odours

No odours were identified at the time of the site reconnaissance.

5.7 Water, Wastewater and Storm Water

No pits, ponds or lagoons were observed at the time of the site reconnaissance. Stormwater in the area is managed through The City of Ottawa municipal storm sewer.

5.8 Stained Materials and Stressed Vegetation

Stained vegetation was observed among the remnant burnt building materials and debris in the historical building footprint of the third structure on the subject site approximately 10 meters northeast from the two other historical building footprints which burnt down in June 2018.

5.9 Watercourses, Ditches or Standing Water

A roadside ditch was observed along Klondike Road south of the subject property. Shirley's Brook was identified on the subject property, along the west property line.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses

Current and past uses of the subject property are documented in the following table:

Table 6.1: Current and Past Use of Subject Property

Year	Owner	Description of Property Use	Observations
1824 to 1934	Joseph Maxwell and others	Agricultural or Other Use	No aerial photographs prior to 1934 were available for review.
1934 to 2017	The Armstrong family and others	Residential and agricultural	Aerial photographs indicate that there was a 2 and half storey structure on the subject property.
2017 to present	Village at the Schoolyard	Residential and agricultural (vacant)	According to the Chain of Title and site visit, the property was first purchased by a corporation in 2017 and is currently vacant.

6.2 Potentially Contaminating Activities

PCAs within the Phase One ESA study area and resulting APECs on the subject property are summarized in Table 6.1. PCA locations are shown on Figure A.1, Appendix A.

Table 6.2: Summary of Potentially Contaminating Activities

Type of PCA	Address/ Location	Description	Likelihood of Creating an APEC
OT #2- Debris from Historical Fire	On the subject property	A fire occurred in July 2018 causing significant damage to the remaining third historical structure on site. Remnant burnt building materials and debris were observed in the historical building footprint approximately 10 meters northeast from the two other historical building footprints.	Yes Based on a fire occurring on site and not being reported for further sampling in July 2018.
PCA #28. Gasoline and Associated Products Storage in Fixed Tanks	On the subject property	A former above-ground storage tank was identified during the site visit conducted by GEMTEC personnel in the historical Phase One ESA. Corrosion on the surface of the tank was observed. However, this tank was reportedly later removed from the site, prior to the first fire which occurred in June of 2018.	No PCA addressed during GEMTEC's Phase Two Investigation reported in 2019
PCA #30. Importation of Fill Material of Unknown Quality	On the subject property	The previous geotechnical investigation performed by GEMTEC in April 2018 identified fill of unknown origin on the subject property.	Yes Environmental quality sampling of fill materials from the boreholes advanced across the subject site was not completed, as the only fill sampled and analyzed was the imported fill brought to the site to fill in the fire damaged excavated building debris.
PCA #30. Importation of Fill Material of Unknown Quality/ OT #2- Debris from Historical Fire	On the subject property	A fire occurred on June 10, 2018 causing significant damage to two of the three structures located at the end of the gravel path towards the centre of the subject site. The structures were demolished and former footprints were filled in to reach grade. The on-site fuel storage tank had reportedly been removed from site prior to the fire.	No Contaminants (Zinc) were identified in debris and soil of the former building footprint during the 2019 Phase Two ESA, however no further sampling is recommended.
PCA #58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	840 March Road 40 meters northwest	Listed as a waste generator for pathological and pharmaceutical in 2020 to 2021	No Based on type of activity and anticipated wastes
OT #1: Spill	840 March Road 40 meters northwest	Minor refrigerant spill due to equipment failure in 2019	No Based on distance from subject site, anticipated groundwater flow and size of spill
PCA #37. Operation of Dry Cleaning Equipment (where chemicals are used).	846 March Road 45 meters northwest	A dry cleaner was identified during the site visit within the study area. From aerial photographs, the commercial land use to the west of the subject property was developed in 2011.	No This PCA was addressed during GEMTEC's 2019 Phase Two ESA. The COPCs were sampled for in groundwater and no exceedances to regulatory criteria were observed.
PCA #58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	832 March Road 80 meters southwest	Listed as a waste generator for pathological wastes and pharmaceuticals from 2011 to 2021	No Based on type of activity and anticipated wastes
OT #3: TSSA Historical Incident	121 Streamside Crescent 100 meters east	Pipeline strike (natural gas) in 2008.	No Based on distance to subject site and type of release
PCA #28. Gasoline and Associated Products Storage in Fixed Tanks & OT #4 TSSA Expired Facility	1111 Klondike Road 110 meters southwest	Gas bar/private self-serve fuel outlet listed from 1990 and listed as expired as of 2009	No Based on distance to subject site, and anticipated groundwater flow

Type of PCA	Address/ Location	Description	Likelihood of Creating an APEC
PCA #10. Commercial Auto Body Shops	1111 Klondike Road 110 meters southwest	Listed as an auto garage from 1998 to 2001	No Based on distance to subject site, and anticipated groundwater flow
OT #5: Record of Site Condition	1092 Klondike Road and 788 March Road 140 meters southeast	RSC filed for 1092 Klondike Road and 788 March Road	No Based on RSC filing record
PCA #58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	1102 Klondike Road 145 meters southwest	Listed as a waste generator for pathological and pharmaceutical in 2015 to 2017	No Based on type activity and anticipated wastes generated
PCA #40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	1102 Klondike Road 145 meters southwest	Listed as an active limited vendor of pesticides (small volume retail)	No Based on type activity, distance from site and anticipated groundwater flow direction
PCA #58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	1032 Klondike Road 175 meters east	Listed as a waste generator for waste crankcase oils and lubricants in 2021	No Based on distance from subject site and anticipated groundwater flow direction
OT #3: TSSA Historical Incident	858 March Road 215 meters northwest	Pipeline strike (natural gas) in 2008.	No Based on distance from subject site, and nature of release
OT #1: Spill	865 March Road 220 meters west	Furnace oil to ground from fill pipe at private residence in 1992. Soil contamination listed as possible	No Based on distance from subject site, and anticipated groundwater flow direction
PCA #58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	1108 Klondike Road 240 meters south	Listed as a waste generator for pathological waste from 2010 to 2021	No Based on distance from subject site and nature of wastes generated
PCA #58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	Part of lot 10, concession 3 250 meters east	The corporation of the Township of Rideau Landfill- Closed in 1971	No Based on distance from subject site and anticipated groundwater flow

6.3 Areas of Potential Environmental Concern

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. These three components were evaluated using professional experience, judgment and available documentation to determine PCAs. Available historical records were cross-referenced with other records to verify their accuracy. The observations from the site reconnaissance and information provided through the interview validated the available historical records for the subject property, and vice versa. The PCAs were reviewed in order to identify APECs for the subject property.

Two APECs were identified on the subject property, as summarized in Table 6.3. APEC locations are shown on Figure A.3, Appendix A.

Table 6.3: Summary of Areas of Potential Environmental Concern

APEC	Type of PCA	Description	Material of Concern	Contaminants of Potential Concern
1	OT #2- Debris from Historical Fire	A fire occurred in July 2018 causing significant damage to the remaining third historical structure on site. During site reconnaissance, remnant burnt building materials and debris were observed in the historical building footprint area approximately 10 meters northeast from the two other historical building footprint areas.	Soil Groundwater	PAHs Metals
2	PCA #30. Importation of Fill Material of Unknown Quality	The previous geotechnical investigation performed by GEMTEC in April 2018 identified fill of unknown origin on the subject property. However, environmental quality sampling of this fill material was not completed at the time.	Soil Groundwater	PHC F1-F4 VOCs PAHs M&I

Notes: PHCs F1-F4 – Petroleum Hydrocarbons Four Fraction
VOCs – Volatile Organic Compounds
PAHs – Polycyclic Aromatic Hydrocarbons
M&I – Metals and Organics

6.3.1 APEC 1: Debris from Historical Fire

Through observations made during the site reconnaissance and an interview with the site representative, remnant burnt building material and debris was identified with the historical building footprint of a structure prior to a fire in July 2018 which destroyed the structure. The potentially associated contaminants of concern are metals and PAHs in soil and groundwater. This APEC is present towards the centre of the subject site approximately 10 meters northeast from the other historical building footprints whose structures were destroyed in a fire in June 2018.

6.3.2 APEC 2: Fill of Unknown Origin Identified During a Previous Geotechnical Investigation

Through a review of historical reports, fill of unknown origin was identified throughout the subject site. The potentially associated contaminants of concern are metals, inorganics, PHC F1-F4, VOCs and PAHs in soil and groundwater. This APEC is present across the subject site.

6.4 Phase One Conceptual Site Model

Based on the historical review, site interviews, and site reconnaissance, GEMTEC concludes that there is potential for soil and groundwater contamination at the subject property. Information presented in this report that contributes to the development of the CSM is presented as applicable in Figures A.1 through A.3 and summarized as follows:

- Based on the review of selected historical aerial photographs, the subject property was developed sometime prior to 1934, with agricultural land use and structures on the subject property. Historical land use in the study area was predominantly agricultural with commercial developments concentrated to the south along March Avenue starting in 2009;
- The surrounding properties within the study area are fully serviced by the municipality and utility providers. The subject property will be fully serviced by the municipality and utility providers following development;
- The surrounding properties are primarily residential with commercial businesses concentrated along March Road to the west of the subject property;
- The MECP Well Records search identified twenty-eight wells within the 250-metre search radius;
- No provincially significant wetlands (PSWs) or area of natural significance (ANSI) were identified on the subject property or within the study area;
- Shirley's Brook was identified on the subject property, along the west property line. An unevaluated wetland is located north and west of the subject site;
- The subject property has a relatively flat topography, with a slope towards Shirley's Brook along the west property line. The property has an elevation of approximately 70 metres above sea level. Surrounding topography generally slopes gradually downwards towards the Shirley's Brook, which is located to the west of the subject property. The overall topography generally slopes downwards to the Ottawa River, located about 2.5 kilometers northeast;
- Surficial and bedrock geology maps of the Ottawa area indicate that the overburden in the vicinity of the subject property generally consists of clay and silt and sand and gravel with a thickness ranging from 5 to 10 metres. The bedrock is mapped as Paleozoic sandstone and dolostone of the March Formation; and,
- Based on the review of records, the interview and the site reconnaissance completed as part of the Phase One ESA, GEMTEC identified nineteen PCAs for the study area. Two of the PCAs were determined to create APECs on the subject property.

Information considered for the development of this CSM was gathered from numerous sources (i.e. aerial photographs, city directories, environmental database searches, physical setting sources, interview and a site reconnaissance), which reduces the potential for not identifying a former property use or PCA.

6.4.1 Underground Utilities

There is potential for underground utilities to affect contaminant transport for the subject property, if contaminants are present.

6.4.2 Discussion of Uncertainty

There is uncertainty with the Phase One Conceptual Site Model associated with using well record data, topographic and geology maps from external sources. Information based on these sources may have changed since publishing due to construction, seasonal variations, or other factors.

7.0 CONCLUSIONS AND RECOMMENDATIONS

GEMTEC Consulting Engineers and Scientists Limited (GEMTEC) was retained to carry out a Phase One Environmental Site Assessment (ESA) Update for the subject property located at 1055 Klondike Road in Ottawa, Ontario.

Based on GEMTEC's review of available historical information pertaining to the subject site and adjacent properties, the interviews completed and site reconnaissance undertaken, two APECs were identified to be present on the subject property. As such, completion of a Phase Two ESA is recommended to investigate soil and groundwater quality within the APECs on the subject property.

Moreover, based on the results of the Phase Two ESA investigation completed by GEMTEC in 2019, it is expected that contaminated soil as defined by current MECP regulations will be encountered during the proposed construction in the area of GS-N within the former building footprint. Based on the nature of the contaminants identified (Zinc) and debris identified in the former building footprint, it is recommended that soil and debris be disposed of at an approved facility subject to a toxicity characteristic leaching procedure (TCLP) analysis and confirmatory sampling be carried out by a Qualified Person, as defined by O.Reg. 153/04.

8.0 REFERENCES

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9.0 LIMITATIONS OF LIABILITY

This Phase One ESA was carried out in general accordance with CSA Group's "*Z768-01 Phase One Environmental Site Assessment*" and O.Reg. 153/04 as amended. The results of this Phase One ESA should in no way be construed as a warranty that the subject 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 the Brian Saumure of Maple Leaf Homes and is based on data and information collected during the Phase One ESA of the property conducted by GEMTEC Consulting Engineers and Scientists Ltd. This report may not be relied upon by any other person or entity without the express written consent of GEMTEC Consulting Engineers and Scientists Limited and Brian Saumure of Maple Leaf Homes. In evaluating this site, GEMTEC Consulting Engineers and Scientists Limited 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 Consulting Engineers and Scientists Ltd. 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 subject 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 right of ways and from the subject property and does not constitute a complete assessment of the adjacent sites.

10.0 CLOSURE

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.

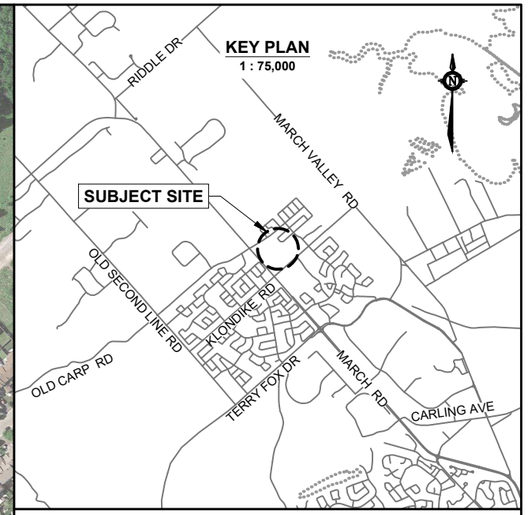
Sincerely,

Rhian Fox, BSc.
Environmental Technologist

Su-Kim Roy, M.Eng., P.Eng
Senior Environmental Engineer

APPENDIX A

Figures



LEGEND

APPROXIMATE PROPERTY BOUNDARY

STUDY AREA
(XXXm RADIUS FROM THE PROPERTY BOUNDARY)

POTENTIALLY CONTAMINATING ACTIVITIES

10	COMMERICAL AUTO BODY SHOP
28	GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS
30	IMPORTATION OF FILL OF UNKNOWN QUALITY
37	OPERATION OF DRY CLEANING EQUIPMENT (WHERE CHEMICALS ARE USED)
40	PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTIFOULING AGENTS) MANUFACTURING, PROCESSING, BULK STORAGE AND LARGESCALE APPLICATIONS
58	WASTE DISPOSAL AND WASTE MANAGEMENT, INCLUDING THERMAL TREATMENT, LANDFILLING AND TRANSFER OF WASTE, OTHER THAN USE OF BIOSOILS AS SOIL CONDITIONERS

OTHER

OTH1	SPILL
OTH2	DEBRIS FROM HISORICAL FIRE
OTH3	TSSA HISTORICAL INCIDENT
OTH4	SSA EXPIRED FACILITY
OTH5	RECORD OF SITE CONDITION

Scale 1:4000

0 80 160 240m

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

Drawing: SITE LOCATION PLAN AND POTENTIAL CONTAMINATING ACTIVITIES

Client: NOVATECH

Project: 64153.85

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT UPDATE
1055 KLONDIKE ROAD
OTTAWA, ONTARIO

Drwn by: S.L.

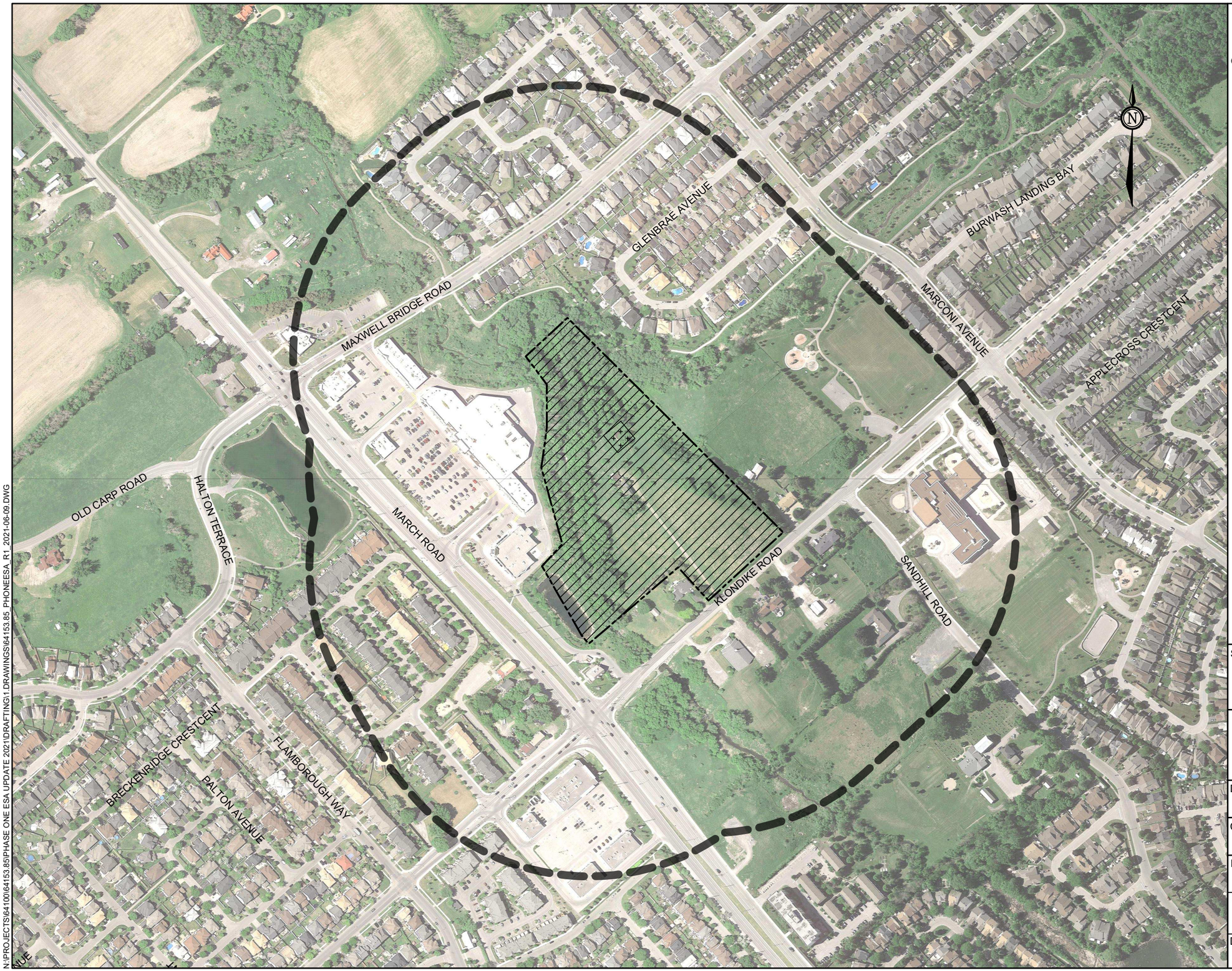
Chkd by: R.F.

Date: MAY, 2021

Rev.: 1

FIGURE A.1

N:\PROJECTS\64100\64153.85\PHASE ONE ESA UPDATE 2021\DRAFTING\1.DRAWINGS\64153.85_PHONEESA_R1_2021-06-09.DWG



LEGEND

APPROXIMATE PROPERTY BOUNDARY

STUDY AREA
(XXXm RADIUS FROM THE PROPERTY BOUNDARY)

AREA OF POTENTIALLY CONTAMINATING ACTIVITIES

APEC 1
DEBRIS FROM HISTORIC FIRE

APEC 2
FILL OF UNKNOWN ORIGIN IDENTIFIED DURING A PREVIOUS GEOTECHNICAL INVESTIGATION

Scale 1:4000

0 80 160 240m

GEMTEC
CONSULTING ENGINEERS AND SCIENTISTS
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www.gemtec.ca
ottawa@gemtec.ca

Drawing
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Client
NOVATECH

Project
64153.85

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT UPDATE
1055 KLONDIKE ROAD
OTTAWA, ONTARIO

Drwn by	Chkd by
S.L.	R.F.

Date
MAY, 2021

Rev.
1

FIGURE A.2

N:\PROJECTS\64100\64153.85\PHASE ONE ESA UPDATE 2021\DRAFTING\1.DRAWINGS\64153.85_PHONEESA_R1_2021-06-09.DWG

LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- STUDY AREA (XXXm RADIUS FROM THE PROPERTY BOUNDARY)
- SUFACE WATER
- 100 CONTOUR INTERVAL, IN METRES
- MECP WELL LOCATION

Scale 1:4000

0 80 160 240m

GEMTEC
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ottawa@gemtec.ca

Drawing: TOPOGRAPHIC MAP

Client: NOVATECH

Project: 64153.85

Drwn by: S.L.

Chkd by: R.F.

PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT UPDATE
1055 KLONDIKE ROAD
OTTAWA, ONTARIO

Date: MAY, 2021

Rev.: 1

FIGURE A.3

N:\PROJECTS\64100\64153.85\PHASE ONE ESA UPDATE 2021\DRAFTING\1.DRAWINGS\64153.85_PHONEESA_R1_2021-06-09.DWG

APPENDIX B

Quality 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

Rhian Fox, B.Sc. – Environmental Technologist

The primary assessor for this Phase One Environmental Site Assessment (ESA) was Ms. Rhian Fox an Environmental Technologist with GEMTEC. Rhian has a Bachelor of Science with a specialization in biology and a graduate certificate in environmental management and assessment. Ms. Fox's formal education and experience working in environmental consulting for over two years has provided her with knowledge and expertise to identify sources of environmental concern and evaluate their potential to cause adverse environmental impacts.

Su-Kim Roy, M.Eng., P.Eng. – Environmental Engineer

The Phase One ESA was carried out under the supervision of Ms. Su-Kim Roy, M.Eng., P.Eng., a registered Professional Engineer in the Province of Ontario and Qualified Person ESA (QP_{ESA}) under Ontario Regulation 153/04 and 4016/19. Ms. Roy has over 20 years of experience in the completion of Environmental Site Assessments to meet Phase I and II ESAs completed in accordance with the CSA Group Standards and Phase One and Two ESAs completed in accordance with O.Reg. 153/04, as well as Excess Soils Management Plans completed in accordance with O.Reg. 406/19.

APPENDIX C

Title Abstract

Attn: Katherine Reynolds

ENVIRONMENTAL SEARCH

Re: 1055 Klondike Rd. #64153.85

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
	Patent	June 12 1824	Crown	Joseph Maxwell
R0114	Deed	Jan 12 1828	Joseph Maxwell	David Benedict
R0298	Deed	Mar 27 1830	David Benedict	David Benedict Jr.
R0574	Deed	Dec 15 1832	David Benedict Jr.	William Gardiner
R01252	Will	Feb 7 1838	William Gardiner	Eliza B. Gardiner
R016208	Deed	July 18 1860	Eliza B. Hopper (formerly Gardiner)	Levi R. Church Peter H. Church
MH641	Deed	May 14 1883	Levi R. Church Peter H. Church	William Bouches
MH1548	Deed	Feb 19 1901	Estate of William Bouches	Oliver V. Sparks

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER
MH1822	Deed	Feb 17 1906	Oliver V. Sparks	John Armstrong Jr.
GR5202	Letters of Administration	May 7 1928	John Armstrong	Henry S. Armstrong
GR9413	Will	Mar 15 1949	Henry S. Armstrong	Laurena P. Armstrong
NS43286 1	Deed	Jan 26 1979	Estate of Laurena P. Armstrong	John A. Orr
NS160247	Deed	Aug 24 1982	Estate of John A. Orr	Rossie Story, Joan Orr, John A. Orr, Janet Ritchie
OC1313326	Will	Dec 6 2011	Janet Ritchie (Partial Interest)	Naida Ritchie-Prudhomme
OC1313327	Deed	Dec 6 2011	Naida Ritchie-Prudhomme (Partial Interest)	Naida Jean Ritchie Barry Ritchie
OC1941395	Deed	Oct 19 2017	Joan Orr, John Allan Orr, Barry Ritchie, Naida Jean Ritchie & Rossie Story	Village at the schoolyard Inc. (Current Owner)

ENVIRONMENTAL SEARCH

INSTRUMENT #	TYPE	DATE	VENDOR	PURCHASER

* Legal description is: Part of Lot 11, Concession 4, being Part 3 on Plan 5R-3477, Geographic Township of March, City of Ottawa. PIN 04527-0091.

Apr 11/18

APPENDIX D

EcoLog ERIS Report

Report to: Brian Saumure, Maple Leaf Custom Homes
Project: 64153.85 (June 10, 2021)

ERIS

DATABASE REPORT

Project Property:	*64153.85* *1055 Klondike Road* *Kanata ON K2K 1X7*
Project No:	
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*21042700347*
Requested by:	*GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Date Completed:	*April 30, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property: *64153.85*
1055 Klondike Road Kanata ON K2K 1X7

Project No:

Order Information:

Order No: *21042700347*
Date Requested: *April 27, 2021*
Requested by: *GEMTEC Consulting Engineers and Scientists Limited (Ontario)*
Report Type: *Quote - Custom-Build Your Own Report*

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	8	8
CA	Certificates of Approval	Y	0	2	2
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	1	1
EASR	Environmental Activity and Sector Registry	Y	0	1	1
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	7	7
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	2	12	14
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	38	38
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1

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
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	2	2
PINC	Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	28	30
	Total:		4	107	111

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		1055 & 1075 Klondike Rd Ottawa ON	E/0.0	0.00	31
2	EHS		1055 Klondike Road Ottawa ON	NE/0.0	-1.28	31
3	WWIS		1095 KLONDIKE RD lot 11 con 4 KANATA ON ***Well ID:*** 7147354	SW/0.0	-7.86	31
4	WWIS		1095 KLONDIKE RD lot 11 con 4 KANATA ON ***Well ID:*** 7147352	SSW/0.0	-7.95	36

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	WWIS		1095 KLONDIKE RD lot 11 con 4 KANATA ON ***Well ID:*** 7147353	SW/8.5	-6.80	41
6	WWIS		MARCH RD lot 11 con 4 KANATA ON ***Well ID:*** 1536815	S/10.2	-5.16	46
7	BORE		ON	S/10.9	-8.98	47
8	WWIS		lot 11 con 4 ON ***Well ID:*** 1510450	S/11.0	-8.98	49
9	EHS		806 March Road Ottawa Ontario Kanata ON K2W 0C9	S/25.7	-5.16	52
10	GEN	Sobeys Pharmacy #7263	840 March Rd Kanata ON K2K 1X7	WNW/41.9	-5.80	52
10	SPL	Sobey's Inc.	840 March Street Ottawa ON	WNW/41.9	-5.80	52
10	GEN	Sobeys Pharmacy #7263	840 March Rd Kanata ON K2K 1X7	WNW/41.9	-5.80	53
11	WWIS		lot 10 con 4 ON ***Well ID:*** 1519081	SE/45.7	-3.44	53
12	EHS		1050 Klondike Road Kanata ON K2K 1X7	E/50.4	-1.80	56
12	EHS		1050 Klondike Road Kanata ON K2K 1X7	E/50.4	-1.80	56
13	BORE		ON	SSW/50.6	-0.80	57

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	WWIS		lot 11 con 4 ON ***Well ID:*** 1503412	SSW/50.7	-0.80	58
15	WWIS		lot 11 con 4 ON ***Well ID:*** 1518467	E/52.0	-1.26	61
16	EHS		Klondike Rd & March Rd Ottawa ON	SSE/55.0	-8.96	64
17	BORE		ON	ESE/66.7	-0.78	64
18	WWIS		lot 10 con 4 ON ***Well ID:*** 1509908	ESE/66.8	-0.78	65
19	ECA	Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON M8V 3Y3	W/69.8	-2.33	68
20	WWIS		821 MARCH ROAD lot 10 con 3 KANATA ON ***Well ID:*** 1536169	SW/80.7	-1.89	68
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	69
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	69
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON	WSW/81.2	-0.78	69
21	GEN	Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	WSW/81.2	-0.78	70
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	70
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	70

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
21	GEN	Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	WSW/81.2	-0.78	71
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	71
21	GEN	Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	WSW/81.2	-0.78	71
21	GEN	Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	WSW/81.2	-0.78	71
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	72
21	GEN	Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	WSW/81.2	-0.78	72
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	72
21	GEN	Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	WSW/81.2	-0.78	73
21	GEN	Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	WSW/81.2	-0.78	73
22	WWIS		788 MARCH RD lot 10 con 4 KANATA ON ***Well ID:*** 7314269	S/82.2	-3.40	73
23	CA	R.M. OF OTTAWA-CARLETON	MARCH RD./KLONDIKE RD. (SWM) KANATA CITY ON	SSW/82.5	-0.46	76
24	WWIS		lot 11 con 3 ON ***Well ID:*** 1518190	SSW/91.7	-0.53	76
25	CA	Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON	W/94.9	-0.89	80

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
26	WWIS		lot 11 con 4 ON ***Well ID:*** 1511444	W/94.9	-0.80	80
27	EHS		Klondike Rd. and Sandhill Rd. Kanata ON	E/94.9	-3.39	83
28	BORE		ON	W/95.0	-0.80	83
29	DTNK	J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON P7B 6C2	SSW/99.0	-0.53	84
30	PRT	J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON	SSW/99.0	-0.53	84
31	EHS		788 March Road Kanata ON	S/99.2	-4.84	85
32	WWIS		846 MARCH ROAD lot 10 con 3 KANATA ON ***Well ID:*** 7105876	W/107.1	-0.89	85
33	WWIS		lot 10 con 4 ON ***Well ID:*** 1503411	S/114.2	-0.05	87
34	WWIS		788 MARCH ROAD Ottawa ON ***Well ID:*** 7128487	SSE/118.1	-7.14	89
34	WWIS		788 MARCH RD KANATA ON ***Well ID:*** 7141731	SSE/118.1	-7.14	94
35	HINC		121 STREAMSIDE CRESCENT KANATA ON K2W 0A9	NE/123.7	-9.80	97
36	WWIS		lot 11 con 3 ON ***Well ID:*** 1530397	WSW/127.3	0.20	97
37	WWIS		351 SANDHILL RD lot 10 con 4 KANATA ON	ESE/128.7	-0.77	101

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1536259			
38	WWIS		351 SAND HILL RD lot 10 con 4 KANATA ON ***Well ID:*** 1536260	ESE/135.4	-1.60	108
39	BORE		ON	S/136.0	-0.05	115
40	WWIS		lot 10 con 4 ON ***Well ID:*** 1511120	S/136.2	-0.05	116
41	RSC	Imperial Oil Limited	1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7 Kanata ON K2K 1X7	SSE/137.6	-5.13	120
42	PES	G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K 0G1	SSW/142.0	1.20	120
42	PES	G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K1X7	SSW/142.0	1.20	120
42	GEN	2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/142.0	1.20	121
42	GEN	G.G. Pharmacy Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/142.0	1.20	121
42	GEN	2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/142.0	1.20	121
42	GEN	2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/142.0	1.20	122
42	GEN	2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	SSW/142.0	1.20	122
43	ECA	Kanata Muslim Association	351 Sandhill Rd Ottawa ON K2K 1X7	ESE/143.4	-0.75	122
44	EHS		351 Sandhill Rd Ottawa ON K2K1X7	ESE/143.4	-0.75	123

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
45	EHS		351 Sandhill Road Kanata ON K2K 1X7	ESE/145.3	-1.80	123
46	EHS		788 March Road Kanata ON K2K 1X7	SSE/146.4	-6.50	123
47	WWIS		788 MARCH RD lot 10 con 4 KANATA ON ***Well ID:*** 7314270	SSE/159.9	-6.50	123
48	EHS		1032 Klondike Road Kanata ON K2K 0H9	E/166.2	-4.80	126
49	WWIS		856 MARCH RD. lot 11 con 4 KANATA ON ***Well ID:*** 7112940	W/167.5	-0.80	126
50	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	NW/169.9	-5.56	128
50	ECA	Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	NW/169.9	-5.56	128
51	WWIS		lot 10 con 3 ON ***Well ID:*** 1503347	SSW/170.0	2.62	128
52	GEN	Ottawa-Carleton District School Board Health & Safety	1032 Klondike Road Kanata ON K0K 0H9	E/176.8	-3.92	131
53	WWIS		860 MARCH RD. lot 11 con 4 KANATA ON ***Well ID:*** 7112943	W/187.6	0.89	131
54	EHS		1102 Klondike Road Kanata ON K2K 1X7	S/189.4	2.67	133
55	WWIS		lot 11 con 4 ON ***Well ID:*** 1503413	W/194.8	0.89	133
56	EHS		886 March Road Ottawa ON K2K 1X7	WNW/205.7	-1.50	136

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
57	PINC		858 March Rd,Kanata ON	WNW/213.8	0.89	136
57	PINC		858 MARCH ROAD, KANATA ON K2W 0C9	WNW/213.8	0.89	136
58	ECA	McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	WNW/215.0	-0.77	137
59	SPL	PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	W/219.1	1.20	137
60	INC		426 BRECKENRIDGE CRESCENT, KANATA ON	WSW/219.9	4.07	137
61	ECA	Minto Communities Inc.	335 Sandhill Rd Ottawa ON K1P 0B6	ESE/220.2	-1.83	138
62	WWIS		886 MARCH ROAD lot 11 con 4 CARP ON ***Well ID:*** 7049297	WNW/227.5	0.89	138
63	WWIS		lot 11 con 3 ON ***Well ID:*** 1517710	SW/230.5	3.42	141
64	WWIS		lot 11 con 4 ON ***Well ID:*** 1510247	WNW/231.7	0.25	143
65	BORE		ON	WNW/231.7	0.25	145
66	BORE		ON	WNW/232.0	-1.80	147
67	BORE		ON	SW/234.5	3.58	148

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
68	WWIS		lot 11 con 3 ON ***Well ID:*** 1503348	SW/234.6	3.58	149
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	151
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	151
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	152
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON	S/238.4	2.50	152
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	152
69	GEN	INVIVA McKesson Pharma	1108 Klondike Road Unit A Kanata ON K2K 0G1	S/238.4	2.50	153
69	GEN	INVIVA McKesson Pharma	1108 Klondike Road Unit A Kanata ON K2K 0G1	S/238.4	2.50	153
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	153
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	154
69	GEN	INVIVA McKesson Pharma INVIVA	1108 Klondike Road Unit A Kanata ON K2K 0G1	S/238.4	2.50	154
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	154
69	GEN	INVIVA McKesson Pharma INVIVA	1108 Klondike Road Unit A Kanata ON K2K 0G1	S/238.4	2.50	154

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	155
69	GEN	Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	S/238.4	2.50	155
69	GEN	INVIVA McKesson Pharma INVIVA	1108 Klondike Road Unit A Kanata ON K2K 0G1	S/238.4	2.50	155
70	EASR	MINTO COMMUNITIES INC.	762 March RD Kanata ON K2K 0A5	SSE/243.9	-4.16	156
70	ECA	Minto Communities Inc.	762 March Rd Ottawa ON K1P 0B6	SSE/243.9	-4.16	156

Executive Summary: Summary By Data Source

BORE - Borehole

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

Site	Address	Distance (m)	Map Key
	ON	10.9	7
	ON	50.6	13
	ON	66.7	17
	ON	95.0	28
	ON	136.0	39
	ON	231.7	65
	ON	232.0	66
	ON	234.5	67

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of

the project property.

Site	Address	Distance (m)	Map Key
R.M. OF OTTAWA-CARLETON	MARCH RD./KLONDIKE RD. (SWM) KANATA CITY ON	82.5	23
Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON	94.9	25

DTNK - Delisted Fuel Tanks

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

Site	Address	Distance (m)	Map Key
J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON P7B 6C2	99.0	29

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Mar 31, 2021 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
MINTO COMMUNITIES INC.	762 March RD Kanata ON K2K 0A5	243.9	70

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Mar 31, 2021 has found that there are 7 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Riotrin Properties (March Road) Inc.	830 March Rd 1095 Klondike Road Ottawa ON M8V 3Y3	69.8	19
Kanata Muslim Association	351 Sandhill Rd Ottawa ON K2K 1X7	143.4	43

Site	Address	Distance (m)	Map Key
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	169.9	50
Klondike Developments Inc.	870 March Rd and 1001 Klondike Road Ottawa ON K2C 0P9	169.9	50
McDonald's Restaurants of Canada Limited	886 March Rd Ottawa ON H9P 2V5	215.0	58
Minto Communities Inc.	335 Sandhill Rd Ottawa ON K1P 0B6	220.2	61
Minto Communities Inc.	762 March Rd Ottawa ON K1P 0B6	243.9	70

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 14 EHS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1055 & 1075 Klondike Rd Ottawa ON	0.0	1
	1055 Klondike Road Ottawa ON	0.0	2
	806 March Road Ottawa Ontario Kanata ON K2W 0C9	25.7	9
	1050 Klondike Road Kanata ON K2K 1X7	50.4	12
	1050 Klondike Road Kanata ON K2K 1X7	50.4	12

Site	Address	Distance (m)	Map Key
	Klondike Rd & March Rd Ottawa ON	55.0	16
	Klondike Rd. and Sandhill Rd. Kanata ON	94.9	27
	788 March Road Kanata ON	99.2	31
	351 Sandhill Rd Ottawa ON K2K1X7	143.4	44
	351 Sandhill Road Kanata ON K2K 1X7	145.3	45
	788 March Road Kanata ON K2K 1X7	146.4	46
	1032 Klondike Road Kanata ON K2K 0H9	166.2	48
	1102 Klondike Road Kanata ON K2K 1X7	189.4	54
	886 March Road Ottawa ON K2K 1X7	205.7	56

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jan 31, 2021 has found that there are 38 GEN site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sobeys Pharmacy #7263	840 March Rd Kanata ON K2K 1X7	41.9	10
Sobeys Pharmacy #7263	840 March Rd Kanata ON K2K 1X7	41.9	10
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON	81.2	21
Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Pharmx Rexall Drug Stores Ltd.	832 March Road Kanata ON K2W 0C9	81.2	21
Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	81.2	21

Site	Address	Distance (m)	Map Key
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Kanata North Medical Centre	832 March Rd, Unit #2 Kanata ON K2W 0C9	81.2	21
Rexall Pharmacy Group Ltd.	832 March Road Kanata ON K2W 0C9	81.2	21
2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	142.0	42
G.G. Pharmacy Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	142.0	42
2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	142.0	42
2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	142.0	42
2325225 Ontario Inc.	1102 KLONDIKE ROAD, R R #1 KANATA ON K2K 1X7	142.0	42
Ottawa-Carleton District School Board Health & Safety	1032 Klondike Road Kanata ON K0K 0H9	176.8	52

Site	Address	Distance (m)	Map Key
INVIVA McKesson Pharma INVIVA	1108 Klondike Road Unit A Kanata ON K2K 0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
INVIVA McKesson Pharma INVIVA	1108 Klondike Road Unit A Kanata ON K2K 0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
INVIVA McKesson Pharma	1108 Klondike Road Unit A Kanata ON K2K 0G1	238.4	69
INVIVA McKesson Pharma	1108 Klondike Road Unit A Kanata ON K2K 0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69

Site	Address	Distance (m)	Map Key
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69
INVIVA McKesson Pharma INVIVA	1108 Klondike Road Unit A Kanata ON K2K 0G1	238.4	69
Activecare klondike medical centre	1108 klondike rd. ottawa ON K2K0G1	238.4	69

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	121 STREAMSIDE CRESCENT KANATA ON K2W 0A9	123.7	35

INC - Fuel Oil Spills and Leaks

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

Site	Address	Distance (m)	Map Key
	426 BRECKENRIDGE CRESCENT, KANATA ON	219.9	60

PES - Pesticide Register

A search of the PES database, dated Oct 2011-Mar 31, 2021 has found that there are 2 PES site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K1X7	142.0	42

Site	Address	Distance (m)	Map Key
G.G PHARMACY INC.	1102 KLONDIKE RD KANATA ON K2K 0G1	142.0	42

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	858 MARCH ROAD, KANATA ON K2W 0C9	213.8	57
	858 March Rd,Kanata ON	213.8	57

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
J TIERNEY JIMS GAS BAR	1111 KLONDIKE RD LOT 11 CON 3 KANATA ON	99.0	30

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Mar 2021 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Imperial Oil Limited	1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7 Kanata ON K2K 1X7	137.6	41

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sobey's Inc.	840 March Street Ottawa ON	41.9	10
PRIVATE OWNER	RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL OTTAWA CITY ON K2K 1X7	219.1	59

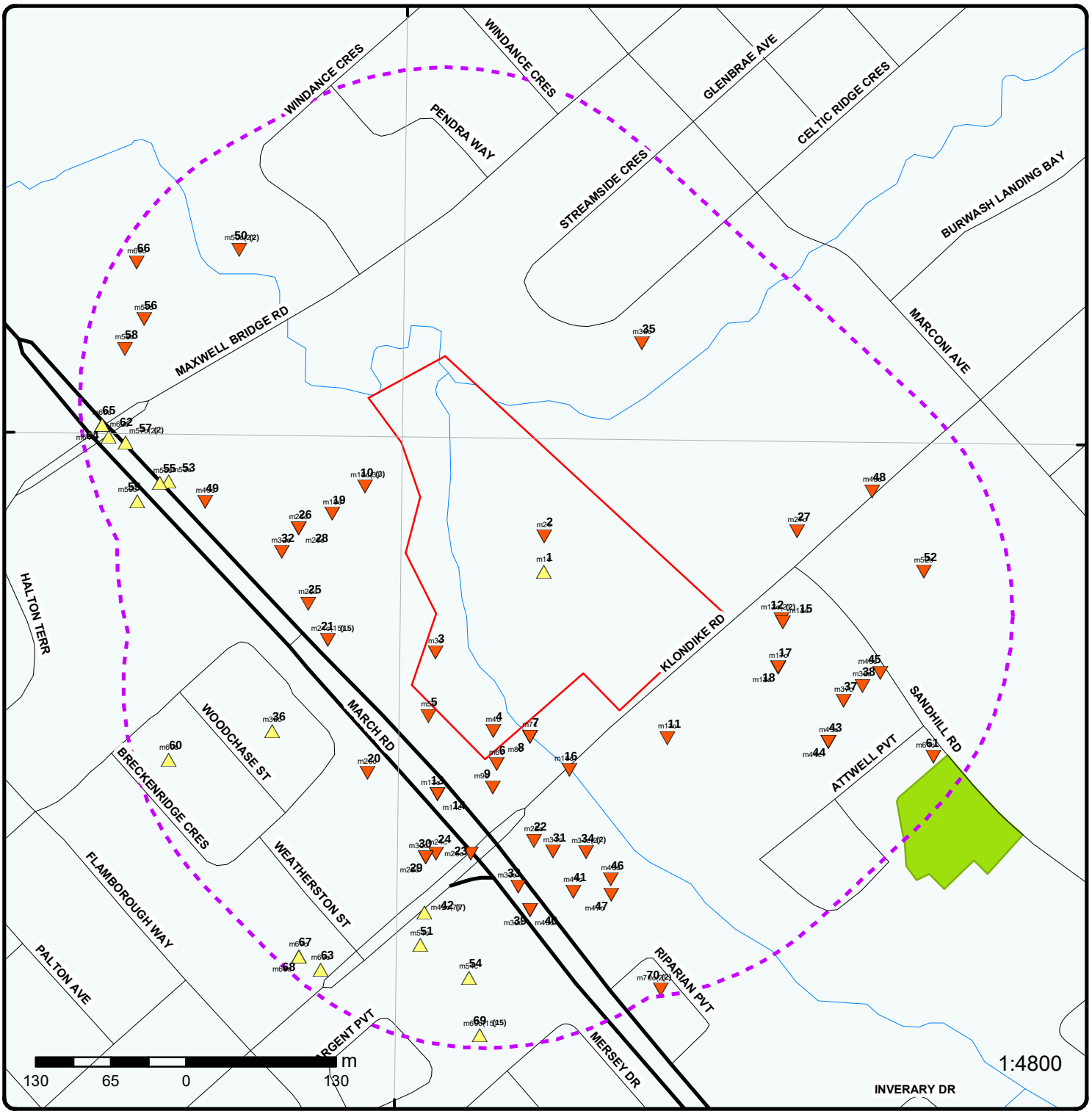
WWIS - Water Well Information System

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

Site	Address	Distance (m)	Map Key
	1095 KLONDIKE RD lot 11 con 4 KANATA ON ***Well ID:*** 7147354	0.0	3
	1095 KLONDIKE RD lot 11 con 4 KANATA ON ***Well ID:*** 7147352	0.0	4
	1095 KLONDIKE RD lot 11 con 4 KANATA ON ***Well ID:*** 7147353	8.5	5
	MARCH RD lot 11 con 4 KANATA ON ***Well ID:*** 1536815	10.2	6
	lot 11 con 4 ON ***Well ID:*** 1510450	11.0	8
	lot 10 con 4 ON ***Well ID:*** 1519081	45.7	11
	lot 11 con 4 ON ***Well ID:*** 1503412	50.7	14

Site	Address	Distance (m)	Map Key
	lot 11 con 4 ON ***Well ID:*** 1518467	52.0	15
	lot 10 con 4 ON ***Well ID:*** 1509908	66.8	18
	821 MARCH ROAD lot 10 con 3 KANATA ON ***Well ID:*** 1536169	80.7	20
	788 MARCH RD lot 10 con 4 KANATA ON ***Well ID:*** 7314269	82.2	22
	lot 11 con 3 ON ***Well ID:*** 1518190	91.7	24
	lot 11 con 4 ON ***Well ID:*** 1511444	94.9	26
	846 MARCH ROAD lot 10 con 3 KANATA ON ***Well ID:*** 7105876	107.1	32
	lot 10 con 4 ON ***Well ID:*** 1503411	114.2	33
	788 MARCH ROAD Ottawa ON ***Well ID:*** 7128487	118.1	34
	788 MARCH RD KANATA ON ***Well ID:*** 7141731	118.1	34
	lot 11 con 3 ON ***Well ID:*** 1530397	127.3	36
	351 SANDHILL RD lot 10 con 4 KANATA ON	128.7	37

Site	Address	Distance (m)	Map Key
	Well ID: 1536259		
	351 SAND HILL RD lot 10 con 4 KANATA ON ***Well ID:*** 1536260	135.4	38
	lot 10 con 4 ON ***Well ID:*** 1511120	136.2	40
	788 MARCH RD lot 10 con 4 KANATA ON ***Well ID:*** 7314270	159.9	47
	856 MARCH RD. lot 11 con 4 KANATA ON ***Well ID:*** 7112940	167.5	49
	lot 10 con 3 ON ***Well ID:*** 1503347	170.0	51
	860 MARCH RD. lot 11 con 4 KANATA ON ***Well ID:*** 7112943	187.6	53
	lot 11 con 4 ON ***Well ID:*** 1503413	194.8	55
	886 MARCH ROAD lot 11 con 4 CARP ON ***Well ID:*** 7049297	227.5	62
	lot 11 con 3 ON ***Well ID:*** 1517710	230.5	63
	lot 11 con 4 ON ***Well ID:*** 1510247	231.7	64
	lot 11 con 3 ON ***Well ID:*** 1503348	234.6	68



Map: 0.25 Kilometer Radius

Order Number: 21042700347

Address: 1055 Klondike Road, Kanata, ON

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

75°55'30"W

45°21'N

45°21'N

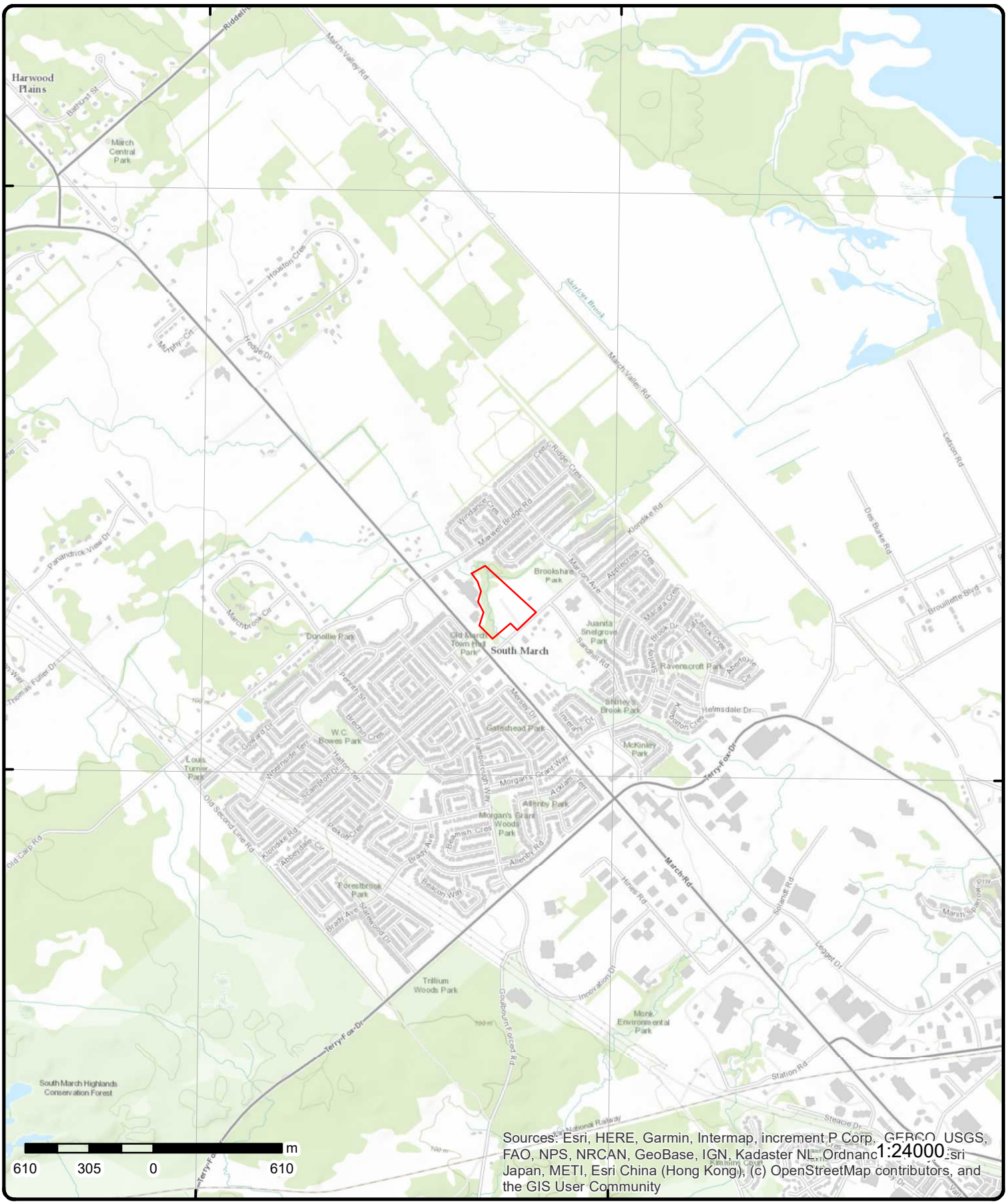
Aerial

Year: 2008

Order Number: 21042700347

Address: 1055 Klondike Road, Kanata, ON

Source: ESRI World Imagery



Topographic Map

Address: 1055 Klondike Road, ON

Source: ESRI World Topographic Map

Order Number: 21042700347

ERIS

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	E/0.0	80.7 / 0.00	1055 & 1075 Klondike Rd Ottawa ON	EHS

Order No:	20151120038	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	26-NOV-15	**Search Radius (km):**	.25
Date Received:	20-NOV-15	**X:**	-75.931738
Previous Site Name:		**Y:**	45.357299
Lot/Building Size:			
Additional Info Ordered:	City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NE/0.0	79.4 / -1.28	1055 Klondike Road Ottawa ON	EHS

Order No:	20180212154	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Custom Report	**Client Prov/State:**	ON
Report Date:	07-MAR-18	**Search Radius (km):**	.25
Date Received:	12-FEB-18	**X:**	-75.931739
Previous Site Name:		**Y:**	45.35757
Lot/Building Size:			
Additional Info Ordered:	City Directory; Aerial Photos		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	SW/0.0	72.8 / -7.86	1095 KLONDIKE RD lot 11 con 4 KANATA ON	WWIS

Well ID:	7147354	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	6/25/2010
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1119
Casing Material:		**Form Version:**	7
Audit No:	Z108342	**Owner:**	
Tag:	A095989	**Street Name:**	1095 KLONDIKE RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7147354.pdf

Bore Hole Information

Bore Hole ID:	1003075040	***Elevation:***	72.534523
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	426929
Code OB Desc:		***North83:***	5022995
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	4/30/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

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

Overburden and Bedrock Materials Interval

Formation ID:	1003195081
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	19
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003195082
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	19
Formation End Depth:	29
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003195085
Layer:	1
Plug From:	22
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	1003195106
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1003195079
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003195088
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	22
Depth To:	29
Casing Diameter:	5.6825
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1003195087
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	2
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003195089
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1003195080
Pump Set At:	20
Static Level:	17.667
Final Level After Pumping:	21.25
Recommended Pump Depth:	20
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003195096
Test Type: Draw Down
Test Duration: 10
Test Level: 21.083
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195098
Test Type: Draw Down
Test Duration: 20
Test Level: 21.083
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195094
Test Type: Draw Down
Test Duration: 4
Test Level: 19.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195100
Test Type: Draw Down
Test Duration: 30
Test Level: 21.167
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195103
Test Type: Draw Down
Test Duration: 60
Test Level: 21.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195104
Test Type: Recovery
Test Duration: 60
Test Level: 17.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195091
Test Type: Recovery
Test Duration: 1

Test Level: 17.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195093
Test Type: Draw Down
Test Duration: 3
Test Level: 19.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195099
Test Type: Draw Down
Test Duration: 25
Test Level: 21.167
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195101
Test Type: Draw Down
Test Duration: 40
Test Level: 21.167
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195097
Test Type: Draw Down
Test Duration: 15
Test Level: 21.083
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195090
Test Type: Draw Down
Test Duration: 1
Test Level: 19.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195095
Test Type: Draw Down
Test Duration: 5
Test Level: 19.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195102
Test Type: Draw Down
Test Duration: 50
Test Level: 21.167
Test Level UOM: ft

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

Draw Down & Recovery

Pump Test Detail ID:	1003195092
Test Type:	Draw Down
Test Duration:	2
Test Level:	19.667
Test Level UOM:	ft

Water Details

Water ID:	1003195086
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	22
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003195083
Diameter:	6
Depth From:	0
Depth To:	22
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1003195084
Diameter:	0.3125
Depth From:	22
Depth To:	29
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

4	***1 of 1***	***SSW/0.0***	***72.7 / -7.95***	***1095 KLONDIKE RD lot 11 con 4 KANATA ON***	***WWIS***

Well ID:	7147352	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	6/25/2010
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1119
Casing Material:		***Form Version:***	7
Audit No:	Z108317	***Owner:***	
Tag:	A093683	***Street Name:***	1095 KLONDIKE RD
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7147352.pdf

Bore Hole Information

Bore Hole ID:	1003074984	***Elevation:***	72.311798
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	426979
Code OB Desc:		***North83:***	5022927
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	4/30/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

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

Overburden and Bedrock Materials Interval

Formation ID:	1003194960
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003194961
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	10
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003194962
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 28
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003194965
Layer: 2
Plug From: 10
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003194964
Layer: 1
Plug From: 20
Plug To: 10
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003194986
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1003194958
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003194967
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 2
Depth To: 20
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003194968
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 20
Depth To: 28
Casing Diameter: 6

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003194969
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003194959
Pump Set At: 20
Static Level: 9.417
Final Level After Pumping: 15.667
Recommended Pump Depth: 20
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003194979
Test Type: Draw Down
Test Duration: 25
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194982
Test Type: Draw Down
Test Duration: 50
Test Level: 15.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194983
Test Type: Draw Down
Test Duration: 60
Test Level: 15.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194977

Test Type: Draw Down
Test Duration: 15
Test Level: 15.167
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194970
Test Type: Draw Down
Test Duration: 1
Test Level: 13.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194984
Test Type: Recovery
Test Duration: 60
Test Level: 9.417
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194974
Test Type: Draw Down
Test Duration: 4
Test Level: 13.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194980
Test Type: Draw Down
Test Duration: 30
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194972
Test Type: Draw Down
Test Duration: 2
Test Level: 13.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194978
Test Type: Draw Down
Test Duration: 20
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003194976
Test Type: Draw Down
Test Duration: 10
Test Level: 13.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1003194975
Test Type:	Draw Down
Test Duration:	5
Test Level:	13.583
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003194971
Test Type:	Recovery
Test Duration:	1
Test Level:	9.417
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003194973
Test Type:	Draw Down
Test Duration:	3
Test Level:	13.583
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003194981
Test Type:	Draw Down
Test Duration:	40
Test Level:	15.583
Test Level UOM:	ft

Water Details

Water ID:	1003194966
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	23
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003194963
Diameter:	6
Depth From:	0
Depth To:	28
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

---

5 ***1 of 1*** ***SW/8.5*** ***73.9 / -6.80*** ***1095 KLONDIKE RD lot 11 con 4 KANATA ON*** ***WWIS***

Well ID:	7147353	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	6/25/2010
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1119

Casing Material:		**Form Version:**	7
Audit No:	Z108340	**Owner:**	
Tag:	A093682	**Street Name:**	1095 KLONDIKE RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7147353.pdf

Bore Hole Information

Bore Hole ID:	1003074986	**Elevation:**	74.549217
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	426923
Code OB Desc:		**North83:**	5022940
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	4/30/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003195009
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003195010
Layer:	2
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 23
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003195013
Layer: 1
Plug From: 18
Plug To: 0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003195034
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1003195007
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003195015
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 2
Depth To: 18
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003195016
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 18
Depth To: 23
Casing Diameter: 5.6825
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003195017
Layer:
Slot:
Screen Top Depth:
Screen End Depth:

Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1003195008
Pump Set At: 18
Static Level: 13.417
Final Level After Pumping: 13.667
Recommended Pump Depth: 18
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 20
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003195024
Test Type: Draw Down
Test Duration: 10
Test Level: 13.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195022
Test Type: Draw Down
Test Duration: 4
Test Level: 13.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195020
Test Type: Draw Down
Test Duration: 2
Test Level: 13.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195025
Test Type: Draw Down
Test Duration: 15
Test Level: 13.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195029
Test Type: Draw Down
Test Duration: 40

Test Level: 13.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195032
Test Type: Recovery
Test Duration: 60
Test Level: 13.417
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195021
Test Type: Draw Down
Test Duration: 3
Test Level: 13.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195023
Test Type: Draw Down
Test Duration: 5
Test Level: 13.583
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195018
Test Type: Draw Down
Test Duration: 1
Test Level: 13.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195031
Test Type: Draw Down
Test Duration: 60
Test Level: 13.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195019
Test Type: Recovery
Test Duration: 1
Test Level: 13.417
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003195026
Test Type: Draw Down
Test Duration: 20
Test Level: 13.667
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1003195030
Test Type:	Draw Down
Test Duration:	50
Test Level:	13.667
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003195028
Test Type:	Draw Down
Test Duration:	30
Test Level:	13.667
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1003195027
Test Type:	Draw Down
Test Duration:	25
Test Level:	13.667
Test Level UOM:	ft

Water Details

Water ID:	1003195014
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	21
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003195011
Diameter:	6
Depth From:	0
Depth To:	18
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1003195012
Diameter:	5.625
Depth From:	18
Depth To:	23
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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6 ***1 of 1*** ***S/10.2*** ***75.5 / -5.16*** ***MARCH RD lot 11 con 4 KANATA ON*** ***WWIS***

Well ID:	1536815	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	11/17/2006
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	3

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

Audit No:	Z47085	**Owner:**	
Tag:		**Street Name:**	MARCH RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536815.pdf

Bore Hole Information

Bore Hole ID:	11691909	**Elevation:**	73.999092
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	_	**East83:**	426982
Code OB Desc:	No formation data	**North83:**	5022898
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	9/26/2006	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	933286605
Layer:	1
Plug From:	11.12
Plug To:	0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536815
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	11696775
Casing No:	1
Comment:	
Alt Name:	

7	**1 of 1**	**S/10.9**	**71.7 / -8.98**	**ON**	**BORE**

Borehole ID:	609816	**Inclin FLG:**	No

OGF ID:	215511431	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1969	**Municipality:**	
Static Water Level:	-11.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.35601
Total Depth m:	19.2	**Longitude DD:**	-75.931871
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	427011
Drill Method:		**Northing:**	5022922
Orig Ground Elev m:	79.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	71.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384162	**Mat Consistency:**	
Top Depth:	9.1	**Material Moisture:**	
Bottom Depth:	15.2	**Material Texture:**	
Material Color:	Brown	**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. BROWN.		

Geology Stratum ID:	218384163	**Mat Consistency:**	
Top Depth:	15.2	**Material Moisture:**	
Bottom Depth:	19.2	**Material Texture:**	
Material Color:	Black	**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. WHITE. 00060STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE. BLACK.		

Geology Stratum ID:	218384161	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	9.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BROWN.		

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: 02324 NTS_Sheet:		

Confiden 1:

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
8	1 of 1	S/11.0	71.7 / -8.98	lot 11 con 4 ON	WWIS

Well ID:	1510450	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/21/1970
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4724
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510450.pdf

Bore Hole Information

Bore Hole ID:	10032478	***Elevation:***	71.102134
DP2BR:	30	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427010.6
Code OB Desc:	Bedrock	***North83:***	5022922
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	8/26/1969	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931014925
Layer:	3
Color:	1
General Color:	WHITE

Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 50
Formation End Depth: 63
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931014924
Layer: 2
Color: 6
General Color: BROWN
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 30
Formation End Depth: 50
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931014923
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 30
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510450
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581048
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930057543

Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 30
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991510450
Pump Set At:
Static Level: 20
Final Level After Pumping: 30
Recommended Pump Depth:
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934640578
Test Type: Draw Down
Test Duration: 45
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097101
Test Type: Draw Down
Test Duration: 15
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897501
Test Type: Draw Down
Test Duration: 60
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378445
Test Type: Draw Down
Test Duration: 30
Test Level: 30
Test Level UOM: ft

Water Details

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

Water ID: 933465443
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 60
Water Found Depth UOM: ft

Water Details

Water ID: 933465442
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 49
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
9	1 of 1	S/25.7	75.5 / -5.16	806 March Road Ottawa Ontario Kanata ON K2W 0C9	EHS

Order No: 20191022045
Status: C
Report Type: Standard Report
Report Date: 25-OCT-19
Date Received: 22-OCT-19
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.932274
Y: 45.355607

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 3	WNW/41.9	74.9 / -5.80	Sobeys Pharmacy #7263 840 March Rd Kanata ON K2K 1X7	GEN

Generator No: ON4379206
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	2 of 3	WNW/41.9	74.9 / -5.80	Sobey's Inc. 840 March Street Ottawa ON	SPL

Ref No: 7538-BF25WB
Site No: NA
Incident Dt: 8/13/2019
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 38
Contaminant Name: REFRIGERANT GAS, N.O.S.
Contaminant Limit 1: 0
Contam Limit Freq 1: none
Contaminant UN No 1: 1078

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type: Corporation
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: 840 March Street
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern

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

Environment Impact:		**Site Municipality:**	Ottawa
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Air	**Northing:**	
MOE Response:	No	**Easting:**	
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	8/13/2019	**Site Map Datum:**	
Dt Document Closed:	9/11/2019	**SAC Action Class:**	Pollution Incident Reports (PIRs) and "Other" calls
Incident Reason:	Equipment Failure	**Source Type:**	Valve/Fitting/Piping
Site Name:	grocery store Sobeys<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Parsons Refrigeration ~ 140kgs R404a added to evaporator		
Contaminant Qty:	140 kg		

10	3 of 3	WNW/41.9	74.9 / -5.80	**Sobeys Pharmacy #7263** **840 March Rd** **Kanata ON K2K 1X7**	GEN

Generator No:	ON4379206	**PO Box No:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jan 2021	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No Admin:**	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	312 P
Waste Class Desc:	Pathological wastes

11	1 of 1	SE/45.7	77.2 / -3.44	**lot 10 con 4** **ON**	WWIS

Well ID:	1519081	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/7/1984
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519081.pdf

Bore Hole Information

Bore Hole ID:	10040951	**Elevation:**	76.357734

DP2BR:	31	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427129.6
Code OB Desc:	Bedrock	**North83:**	5022921
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/10/1984	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931040535
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931040537
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	31
Formation End Depth:	81
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931040536
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	8

Formation End Depth: 31
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961519081
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10589521
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930071494
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 81
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930071493
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 32
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519081
Pump Set At:
Static Level: 17
Final Level After Pumping: 30
Recommended Pump Depth: 50
Pumping Rate: 20
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID:	934381642
Test Type:	Draw Down
Test Duration:	30
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901149
Test Type:	Draw Down
Test Duration:	60
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934651620
Test Type:	Draw Down
Test Duration:	45
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106901
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Water Details

Water ID:	933475962
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	77
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	*1 of 2*	*E/50.4*	*78.9 / -1.80*	***1050 Klondike Road Kanata ON K2K 1X7***	***EHS***

Order No:	20200810230	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	28-AUG-20	***Search Radius (km):***	.25
Date Received:	10-AUG-20	***X:***	-75.92910668
Previous Site Name:		***Y:***	45.35694652
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	*2 of 2*	*E/50.4*	*78.9 / -1.80*	***1050 Klondike Road Kanata ON K2K 1X7***	***EHS***

Order No:	20200810230	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Custom Report	***Client Prov/State:***	ON
Report Date:	28-AUG-20	***Search Radius (km):***	.25

Date Received:	10-AUG-20	**X:**	-75.92910668
Previous Site Name:		**Y:**	45.35694652
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches		

13 **1 of 1** **SSW/50.6** **79.9 / -0.80** **ON** **BORE**

Borehole ID:	609814	**Inclin FLG:**	No
OGF ID:	215511429	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1955	**Municipality:**	
Static Water Level:	-12.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.355551
Total Depth m:	14.6	**Longitude DD:**	-75.932885
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	426931
Drill Method:		**Northing:**	5022872
Orig Ground Elev m:	78	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	77.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384158	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Soil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SOIL.		

Geology Stratum ID:	218384159	**Mat Consistency:**	
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	5.5	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218384160	**Mat Consistency:**	
Top Depth:	5.5	**Material Moisture:**	
Bottom Depth:	14.6	**Material Texture:**	
Material Color:	Black	**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. GREY. 000400067. WATER STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTO		

**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: 02322 NTS_Sheet:		
Confiden 1:			

Source List

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

14	***1 of 1***	***SSW/50.7***	***79.9 / -0.80***	***lot 11 con 4 ON***	***WWIS***

Well ID:	1503412	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/24/1955
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2415
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503412.pdf

Bore Hole Information

Bore Hole ID:	10025455	***Elevation:***	77.329017
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	426930.6
Code OB Desc:	Bedrock	***North83:***	5022872
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/12/1955	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930996771
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996772
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 48
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996770
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503412
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID:	10574025
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930043659
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930043660
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	48
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991503412
Pump Set At:	
Static Level:	6
Final Level After Pumping:	22
Recommended Pump Depth:	
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933456317
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	40
Water Found Depth UOM:	ft

Water Details

Water ID:	933456316
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	28
Water Found Depth UOM:	ft

15 **1 of 1** **E/52.0** **79.4 / -1.26** **lot 11 con 4 ON** **WWIS**

Well ID:	1518467	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/16/1983
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5411
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518467.pdf

Bore Hole Information

Bore Hole ID:	10040337	**Elevation:**	74.836296
DP2BR:	15	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427229.6
Code OB Desc:	Bedrock	**North83:**	5023021
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/27/1983	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931038530
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931038532
Layer: 3
Color: 6
General Color: BROWN
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 64
Formation End Depth: 70
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931038531
Layer: 2
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 64
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961518467
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10588907
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930070420
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To: 22
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930070421
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 70
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991518467
Pump Set At:
Static Level: 7
Final Level After Pumping: 9
Recommended Pump Depth: 65
Pumping Rate: 40
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934103782
Test Type: Recovery
Test Duration: 15
Test Level: 7
Test Level UOM: ft

Water Details

Water ID: 933475187
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 33
Water Found Depth UOM: ft

Water Details

Water ID: 933475188
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 64
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
16	1 of 1	SSE/55.0	71.7 / -8.96	Klondike Rd & March Rd Ottawa ON	EHS

Order No:	20151007070	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	09-OCT-15	**Search Radius (km):**	.25
Date Received:	07-OCT-15	**X:**	-75.931431
Previous Site Name:		**Y:**	45.355755
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	ESE/66.7	79.9 / -0.78	ON	BORE

Borehole ID:	609817	**Inclin FLG:**	No
OGF ID:	215511432	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	AUG-1968	**Municipality:**	
Static Water Level:	-14.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.356572
Total Depth m:	15.2	**Longitude DD:**	-75.929136
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	427226
Drill Method:		**Northing:**	5022982
Orig Ground Elev m:	76.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	75.8		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384164	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218384165	**Mat Consistency:**	
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	8.5	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218384166	**Mat Consistency:**	
Top Depth:	8.5	**Material Moisture:**	

Bottom Depth:	15.2	**Material Texture:**	
Material Color:	Black	**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. 00047E. WHITE. 00060STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTO **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: 02325 NTS_Sheet:		
Confiden 1:			

Source List

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

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18 | ***1 of 1*** | ***ESE/66.8*** | ***79.9 / -0.78*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	1509908	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/8/1968
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3553
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509908.pdf

Bore Hole Information

Bore Hole ID:	10031940	**Elevation:**	75.776847
DP2BR:	28	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427225.6

Code OB Desc:	Bedrock	**North83:**	5022982
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	8/27/1968	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931013369
Layer:	1
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	9
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013370
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9
Formation End Depth:	28
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931013371
Layer:	3
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28
Formation End Depth:	50
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961509908
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580510
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056509
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056508
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	31
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991509908
Pump Set At:	
Static Level:	18
Final Level After Pumping:	25
Recommended Pump Depth:	30
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464803

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47
Water Found Depth UOM:	ft

19 **1 of 1** **W/69.8** **78.3 / -2.33** **Riotrin Properties (March Road) Inc.**
830 March Rd 1095 Klondike Road
Ottawa ON M8V 3Y3 **ECA**

Approval No:	5973-8DVJXN	**MOE District:**	
Approval Date:	2011-02-28	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Riotrin Properties (March Road) Inc.		
Address:	830 March Rd 1095 Klondike Road		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4571-8D9T5E-14.pdf		

20 **1 of 1** **SW/80.7** **78.8 / -1.89** **821 MARCH ROAD lot 10 con 3**
KANATA ON **WWIS**

Well ID:	1536169	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	1/13/2006
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:		**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	3
Audit No:	Z39220	**Owner:**	
Tag:		**Street Name:**	821 MARCH ROAD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536169.pdf

Bore Hole Information

Bore Hole ID:	11550235	**Elevation:**	77.527122
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	_	**East83:**	426870
Code OB Desc:	No formation data	**North83:**	5022891
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	11/29/2005	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			

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

Annular Space/Abandonment Sealing Record

Plug ID: 933294848
Layer: 1
Plug From: 10.97
Plug To: 0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961536169
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11559842
Casing No: 1
Comment:
Alt Name:

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21 | ***1 of 15*** | ***WSW/81.2*** | ***79.9 / -0.78*** | ***Kanata North Medical Centre, 832 March Rd, Unit #2, Kanata ON K2W 0C9*** | ***GEN***

Generator No: ON7004518
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description:

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

---

21 | ***2 of 15*** | ***WSW/81.2*** | ***79.9 / -0.78*** | ***Kanata North Medical Centre, 832 March Rd, Unit #2, Kanata ON K2W 0C9*** | ***GEN***

Generator No: ON7004518
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

---

21 | ***3 of 15*** | ***WSW/81.2*** | ***79.9 / -0.78*** | ***Kanata North Medical Centre, 832 March Rd, Unit #2, Kanata ON*** | ***GEN***

Generator No: ON7004518
Status:
Approval Years: 2013
Contam. Facility:

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

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

MHSW Facility: ***Phone No Admin:***
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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21 ***4 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Rexall Pharmacy Group Ltd.*** ***GEN***
832 March Road
Kanata ON K2W 0C9

Generator No: ON4438177 ***PO Box No:***
Status: ***Country:*** Canada
Approval Years: 2016 ***Choice of Contact:*** CO_ADMIN
Contam. Facility: No ***Co Admin:*** Erik Botines
MHSW Facility: No ***Phone No Admin:*** 9055017800 Ext.
SIC Code: 446110
SIC Description: 446110

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

---

21 ***5 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No: ON7004518 ***PO Box No:***
Status: ***Country:*** Canada
Approval Years: 2015 ***Choice of Contact:*** CO_OFFICIAL
Contam. Facility: No ***Co Admin:***
MHSW Facility: No ***Phone No Admin:***
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

21 ***6 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No: ON7004518 ***PO Box No:***
Status: ***Country:*** Canada
Approval Years: 2016 ***Choice of Contact:*** CO_OFFICIAL
Contam. Facility: No ***Co Admin:***
MHSW Facility: No ***Phone No Admin:***
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Detail(s)

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

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

21 **7 of 15** **WSW/81.2** **79.9 / -0.78** **Pharmx Rexall Drug Stores Ltd.** **GEN**
832 March Road
Kanata ON K2W 0C9

Generator No: ON4438177
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Jennifer Lamch
Phone No Admin: 9055017800 Ext.6178

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

21 **8 of 15** **WSW/81.2** **79.9 / -0.78** **Kanata North Medical Centre** **GEN**
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No: ON7004518
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

21 **9 of 15** **WSW/81.2** **79.9 / -0.78** **Pharmx Rexall Drug Stores Ltd.** **GEN**
832 March Road
Kanata ON K2W 0C9

Generator No: ON4438177
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 446110
SIC Description: 446110

PO Box No:
Country: Canada
Choice of Contact: CO_ADMIN
Co Admin: Jennifer Lamch
Phone No Admin: 9055017800 Ext.6178

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

21 **10 of 15** **WSW/81.2** **79.9 / -0.78** **Rexall Pharmacy Group Ltd.** **GEN**
832 March Road
Kanata ON K2W 0C9

Generator No: ON4438177
Status: Registered

PO Box No:
Country: Canada

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

Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

21 ***11 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No: ON7004518
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

21 ***12 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Rexall Pharmacy Group Ltd.*** ***GEN***
832 March Road
Kanata ON K2W 0C9

Generator No: ON4438177
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

---

21 ***13 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No: ON7004518
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

SIC Description:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

21 ***14 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Kanata North Medical Centre*** ***GEN***
832 March Rd, Unit #2
Kanata ON K2W 0C9

Generator No: ON7004518
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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21 ***15 of 15*** ***WSW/81.2*** ***79.9 / -0.78*** ***Rexall Pharmacy Group Ltd.*** ***GEN***
832 March Road
Kanata ON K2W 0C9

Generator No: ON4438177
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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22 ***1 of 1*** ***S/82.2*** ***77.3 / -3.40*** ***788 MARCH RD lot 10 con 4*** ***WWIS***
KANATA ON

Well ID: 7314269
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z283634
Tag: A212889
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:

Data Entry Status:
Data Src:
Date Received: 7/6/2018
Selected Flag: Yes
Abandonment Rec:
Contractor: 7238
Form Version: 7
Owner:
Street Name: 788 MARCH RD
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 010
Concession: 04

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

Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1007145987
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 6/8/2018
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 427014
North83: 5022832
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1007406297
Layer: 1
Color:
General Color:
Mat1: 04
Most Common Material: PEAT
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007406299
Layer: 3
Color:
General Color:
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 17.5
Formation End Depth: 30.5
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	1007406298
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	17.5
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007406308
Layer:	2
Plug From:	19.5
Plug To:	30.5
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007406307
Layer:	1
Plug From:	0
Plug To:	19.5
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007406306
Method Construction Code:	F
Method Construction:	H.S.A.
Other Method Construction:	

Pipe Information

Pipe ID:	1007406296
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007406303
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	20.5
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

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

Construction Record - Screen

Screen ID:	1007406304
Layer:	1
Slot:	10
Screen Top Depth:	20.5
Screen End Depth:	30.5
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1007406302
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	17
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007406301
Diameter:	3.78
Depth From:	17.5
Depth To:	30.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1007406300
Diameter:	8.25
Depth From:	0
Depth To:	17.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

23	***1 of 1***	***SSW/82.5***	***80.2 / -0.46***	***R.M. OF OTTAWA-CARLETON MARCH RD./KLONDIKE RD. (SWM) KANATA CITY ON***	***CA***

Certificate #:	3-0836-97-
Application Year:	97
Issue Date:	8/11/1997
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

24	***1 of 1***	***SSW/91.7***	***80.1 / -0.53***	***lot 11 con 3 ON***	***WWIS***

Well ID:	1518190	***Data Entry Status:***	

Construction Date:		**Data Src:**	1
Primary Water Use:	Municipal	**Date Received:**	4/5/1983
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518190.pdf

Bore Hole Information

Bore Hole ID:	10040060	**Elevation:**	77.21659
DP2BR:	20	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	426929.6
Code OB Desc:	Bedrock	**North83:**	5022821
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/14/1982	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931037653
Layer:	1
Color:	5
General Color:	YELLOW
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931037655
Layer:	3
Color:	1

General Color:	WHITE
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	35
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931037654
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18
Formation End Depth:	20
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961518190
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10588630
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069953
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930069954
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	

Depth To:	35
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991518190
Pump Set At:	
Static Level:	11
Final Level After Pumping:	30
Recommended Pump Depth:	30
Pumping Rate:	80
Flowing Rate:	
Recommended Pump Rate:	80
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:	934639319
Test Type:	Recovery
Test Duration:	45
Test Level:	11
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934897363
Test Type:	Recovery
Test Duration:	60
Test Level:	11
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378261
Test Type:	Recovery
Test Duration:	30
Test Level:	11
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934103509
Test Type:	Recovery
Test Duration:	15
Test Level:	11
Test Level UOM:	ft

Water Details

Water ID:	933474849
Layer:	1
Kind Code:	1

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

Kind: FRESH
Water Found Depth: 35
Water Found Depth UOM: ft

---

25 | **1 of 1** | **W/94.9** | **79.8 / -0.89** | **Riotrin Properties (March Road) Inc.**
830 March Rd 1095 Klondike Road
Ottawa ON | **CA**

Certificate #: 5973-8DVJXN
Application Year: 2011
Issue Date: 2/28/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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26 | **1 of 1** | **W/94.9** | **79.9 / -0.80** | **lot 11 con 4**
ON | **WWIS**

Well ID: 1511444
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 10/8/1971
Selected Flag: Yes
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511444.pdf

Bore Hole Information

Bore Hole ID: 10033439
DP2BR: 16
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 7/7/1971
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation: 76.334289
Elevrc:
Zone: 18
East83: 426810.6
North83: 5023102
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:	931017729
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931017730
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	58
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511444
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10582009
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059380
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	58
Casing Diameter:	

Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059379
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991511444
Pump Set At:
Static Level: 6
Final Level After Pumping: 15
Recommended Pump Depth: 20
Pumping Rate: 21
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934382371
Test Type: Draw Down
Test Duration: 30
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934901288
Test Type: Draw Down
Test Duration: 60
Test Level: 15
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934098107
Test Type: Draw Down
Test Duration: 15
Test Level: 12
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934643950

Test Type:	Draw Down
Test Duration:	45
Test Level:	15
Test Level UOM:	ft

Water Details

Water ID:	933466592
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58
Water Found Depth UOM:	ft

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27 | **1 of 1** | **E/94.9** | **77.3 / -3.39** | **Klondike Rd. and Sandhill Rd. Kanata ON** | **EHS**

Order No:	20070307016	**Nearest Intersection:**	Klondike and Sandhill NE corner
Status:	C	**Municipality:**	
Report Type:	CAN - Complete Report	**Client Prov/State:**	
Report Date:	3/15/2007	**Search Radius (km):**	0.25
Date Received:	3/7/2007	**X:**	-75.928947
Previous Site Name:		**Y:**	45.357632
Lot/Building Size:	5 acres approximately		
Additional Info Ordered:			

---

28 | **1 of 1** | **W/95.0** | **79.9 / -0.80** | **ON** | **BORE**

Borehole ID:	609821	**Inclin FLG:**	No
OGF ID:	215511436	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUL-1971	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.357609
Total Depth m:	17.7	**Longitude DD:**	-75.934451
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	426811
Drill Method:		**Northing:**	5023102
Orig Ground Elev m:	77.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	76.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384173	**Mat Consistency:**	
Top Depth:	4.9	**Material Moisture:**	
Bottom Depth:	17.7	**Material Texture:**	
Material Color:	Black	**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. WHITE. 0005800075 SEISMIC VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE.		

Geology Stratum ID: 218384172
Top Depth: 0
Bottom Depth: 4.9
Material Color: Grey
Material 1: Clay
Material 2:
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. GREY.

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: 02329 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

29	1 of 1	SSW/99.0	80.1 / -0.53	J TIERNEY JIMS GAS BAR 1111 KLONDIKE RD LOT 11 CON 3 KANATA ON P7B 6C2	DTNK

Delisted Expired Fuel Safety Facilities

Instance No: 9818157
Status: EXPIRED
Instance ID:
Instance Type: FS Facility
Description:
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 12/2/2009 13:34
Original Source: EXP
Record Date: Up to May 2013

30	1 of 1	SSW/99.0	80.1 / -0.53	J TIERNEY JIMS GAS BAR 1111 KLONDIKE RD LOT 11 CON 3 KANATA ON	PRT

Location ID: 6727
Type: retail
Expiry Date: 1990-12-31
Capacity (L): 0
Licence #: 0055662001

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
31	1 of 1	S/99.2	75.8 / -4.84	788 March Road Kanata ON	EHS

Order No:	20090601011	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Report	**Client Prov/State:**	ON
Report Date:	6/4/2009	**Search Radius (km):**	0.25
Date Received:	6/1/2009	**X:**	-75.931602
Previous Site Name:		**Y:**	45.355116
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Sire Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
32	1 of 1	W/107.1	79.8 / -0.89	846 MARCH ROAD lot 10 con 3 KANATA ON	WWIS

Well ID:	7105876	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	6/2/2008
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	1558
Casing Material:		**Form Version:**	4
Audit No:	Z77317	**Owner:**	
Tag:		**Street Name:**	846 MARCH ROAD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7105876.pdf

Bore Hole Information

Bore Hole ID:	1001605417	**Elevation:**	76.619338
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	426796
Code OB Desc:		**North83:**	5023082
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	3/3/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001701403
Layer:	1

Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth:
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001701404
Layer: 1
Plug From: 16.76
Plug To: 0
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001701405
Layer: 2
Plug From:
Plug To:
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001701408
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1001701402
Casing No: 0
Comment:
Alt Name:

Construction Record - Screen

Screen ID: 1001701407
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Water Details

Water ID: 1001701406
Layer: 1

Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

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33 | ***1 of 1*** | ***S/114.2*** | ***80.6 / -0.05*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	1503411	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/5/1956
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3705
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503411.pdf

Bore Hole Information

Bore Hole ID:	10025454	***Elevation:***	76.521095
DP2BR:	18	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	427000.6
Code OB Desc:	Bedrock	***North83:***	5022792
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/2/1955	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930996768
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	02
Mat2 Desc:	TOPSOIL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0

Formation End Depth: 18
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996769
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 18
Formation End Depth: 80
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503411
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574024
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043658
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930043657
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 35
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	991503411
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:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	Yes

Water Details

Water ID:	933456315
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

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34 **1 of 2** **SSE/118.1** **73.5 / -7.14** **788 MARCH ROAD**
Ottawa ON

WWIS

Well ID:	7128487	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	8/31/2009
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	1844
Casing Material:		**Form Version:**	5
Audit No:	M04496	**Owner:**	
Tag:	A074647	**Street Name:**	788 MARCH ROAD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	OTTAWA CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7128487.pdf

Bore Hole Information

Bore Hole ID:	1002817515	**Elevation:**	72.841773
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427059
Code OB Desc:		**North83:**	5022822
Open Hole:		**Org CS:**	UTM83
Cluster Kind:	This is a record from cluster log sheet	**UTMRC:**	3
Date Completed:	6/19/2009	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr

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

Annular Space/Abandonment Sealing Record

Plug ID: 1002817519
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002817518
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1002817520
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002817522
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.6
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002817521
Layer:
Slot:
Screen Top Depth: 2.6
Screen End Depth: 5.7
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002817523
Pump Set At:
Static Level:
Final Level After Pumping:

Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002817517
Diameter: 20
Depth From:
Depth To: 5.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002697162
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole: No
Cluster Kind:
Date Completed: 6/18/2009
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 75.5988
Elevrc:
Zone: 18
East83: 427003
North83: 5022819
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1002817526
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 61
Mat3 Desc: CLAYEY
Formation Top Depth: .2
Formation End Depth: 1.8
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1002817525
Layer: 1

Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1002817527
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1.8
Formation End Depth:	5.7
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1002817529
Layer:	1
Plug From:	0
Plug To:	2
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1002817533
Method Construction Code:	F
Method Construction:	H.S.A.
Other Method Construction:	

Pipe Information

Pipe ID:	1002817524
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1002817530
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	2.7
Casing Diameter:	5.1

Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002817531
Layer: 1
Slot: 10
Screen Top Depth:
Screen End Depth:
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.8

Hole Diameter

Hole ID: 1002817528
Diameter: 20
Depth From: 0
Depth To: 5.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID: 1002817506
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind: This is a record from cluster log sheet
Date Completed: 6/18/2009
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation: 76.392036
Elevrc:
Zone: 18
East83: 427078
North83: 5022728
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1002817510
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1002817509
Method Construction Code:
Method Construction:
Other Method Construction: HSA

Pipe Information

Pipe ID: 1002817511
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1002817513
Layer:
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 2.8
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1002817512
Layer:
Slot:
Screen Top Depth: 2.8
Screen End Depth: 5.8
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM:
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1002817514
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002817508
Diameter: 20
Depth From:
Depth To: 5.8
Hole Depth UOM: m
Hole Diameter UOM: cm

34	2 of 2	SSE/118.1	73.5 / -7.14	788 MARCH RD KANATA ON	WWIS

Well ID: 7141731
Construction Date:
Data Entry Status:
Data Src:

Primary Water Use:		**Date Received:**	3/19/2010
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned Monitoring and Test Hole	**Abandonment Rec:**	
Water Type:		**Contractor:**	1844
Casing Material:		**Form Version:**	5
Audit No:	M05569	**Owner:**	
Tag:	A074647	**Street Name:**	788 MARCH RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7141731.pdf

Bore Hole Information

Bore Hole ID:	1003285096	**Elevation:**	76.392036
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427078
Code OB Desc:		**North83:**	5022728
Open Hole:		**Org CS:**	UTM83
Cluster Kind:	This is a record from cluster log sheet	**UTMRC:**	4
Date Completed:	2/15/2010	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1003285100
Layer:	
Plug From:	
Plug To:	
Plug Depth UOM:	

Method of Construction & Well Use

Method Construction ID:	1003285099
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Hole Diameter

Hole ID:	1003285098
Diameter:	
Depth From:	
Depth To:	5.8

Hole Depth UOM: m
Hole Diameter UOM:

Bore Hole Information

Bore Hole ID:	1003285101	***Elevation:***	72.841773
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427059
Code OB Desc:		***North83:***	5022822
Open Hole:		***Org CS:***	UTM83
Cluster Kind:	This is a record from cluster log sheet	***UTMRC:***	4
Date Completed:	2/15/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

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

Method of Construction & Well Use

Method Construction ID: 1003285104
Method Construction Code:
Method Construction:
Other Method Construction:

Hole Diameter

Hole ID: 1003285103
Diameter:
Depth From:
Depth To: 5.7
Hole Depth UOM: m
Hole Diameter UOM:

Bore Hole Information

Bore Hole ID:	1002951127	***Elevation:***	75.5988
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	427003
Code OB Desc:		***North83:***	5022819
Open Hole:	No	***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	2/15/2010	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr

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

Annular Space/Abandonment Sealing Record

Plug ID: 1003285106
Layer: 1
Plug From: 0

Plug To: 5.7
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1003285107
Method Construction Code:
Method Construction:
Other Method Construction:

Hole Diameter

Hole ID: 1003285105
Diameter: 20
Depth From: 0
Depth To: 5.7
Hole Depth UOM: m
Hole Diameter UOM: cm

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35 | ***1 of 1*** | ***NE/123.7*** | ***70.9 / -9.80*** | ***121 STREAMSIDE CRESCENT KANATA ON K2W 0A9*** | ***HINC***

External File Num: FS INC 0808-04438
Fuel Occurrence Type: Pipeline Strike
Date of Occurrence: 8/5/2008
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: No
Fuel Life Cycle Stage: Utilization
Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes 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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36 | ***1 of 1*** | ***WSW/127.3*** | ***80.9 / 0.20*** | ***lot 11 con 3 ON*** | ***WWIS***

Well ID: 1530397
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 198116
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Data Entry Status:
Data Src: 1
Date Received: 12/1/1998
Selected Flag: Yes
Abandonment Rec:
Contractor: 4875
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011

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

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530397.pdf

Bore Hole Information

Bore Hole ID:	10051932	**Elevation:**	78.099708
DP2BR:	0	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	426787.6
Code OB Desc:	Bedrock	**North83:**	5022927
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/21/1998	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931075367
Layer:	2
Color:	8
General Color:	BLACK
Mat1:	21
Most Common Material:	GRANITE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90
Formation End Depth:	160
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931075366
Layer:	1
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	90
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933115542
Layer:	1
Plug From:	18
Plug To:	0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530397
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10600502
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930090549
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	18
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930090550
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	160
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991530397
Pump Set At:	
Static Level:	12
Final Level After Pumping:	50
Recommended Pump Depth:	140
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY

Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934393372
Test Type: Draw Down
Test Duration: 30
Test Level: 43
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934662522
Test Type: Draw Down
Test Duration: 45
Test Level: 47
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934902109
Test Type: Draw Down
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934118384
Test Type: Draw Down
Test Duration: 15
Test Level: 36
Test Level UOM: ft

Water Details

Water ID: 933490513
Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 145
Water Found Depth UOM: ft

Water Details

Water ID: 933490511
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 36
Water Found Depth UOM: ft

Water Details

Water ID: 933490512
Layer: 2
Kind Code: 5

Kind: Not stated
Water Found Depth: 88
Water Found Depth UOM: ft

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37 | **1 of 1** | **ESE/128.7** | **79.9 / -0.77** | **351 SANDHILL RD lot 10 con 4 KANATA ON** | **WWIS**

Well ID: 1536259
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z39252
Tag: A035430
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 3/20/2006
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 3
Owner:
Street Name: 351 SANDHILL RD
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536259.pdf

Bore Hole Information

Bore Hole ID: 11550325
DP2BR: 32
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 2/1/2006
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 75.392097
Elevrc:
Zone: 18
East83: 427282
North83: 5022953
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 933044823
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 3.65
Formation End Depth: 9.75

Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933044822
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 3.65
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 933044824
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 9.75
Formation End Depth: 38.09
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933288175
Layer: 2
Plug From:
Plug To:
Plug Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933288174
Layer: 1
Plug From: 11.88
Plug To: 0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 961536259
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID:	11559932
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930875664
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-.45
Depth To:	11.88
Casing Diameter:	15.86
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930875665
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	11.88
Depth To:	38.09
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pump Test ID:	11569389
Pump Set At:	22.85
Static Level:	2.45
Final Level After Pumping:	4.02
Recommended Pump Depth:	22.85
Pumping Rate:	54.6
Flowing Rate:	
Recommended Pump Rate:	45.5
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11593820
Test Type:	Draw Down
Test Duration:	30
Test Level:	3.93
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11593811

Test Type: Recovery
Test Duration: 5
Test Level: 2.71
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593814
Test Type: Draw Down
Test Duration: 15
Test Level: 3.81
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593806
Test Type: Draw Down
Test Duration: 3
Test Level: 3.43
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593819
Test Type: Recovery
Test Duration: 25
Test Level: 2.52
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593818
Test Type: Draw Down
Test Duration: 25
Test Level: 3.91
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593808
Test Type: Draw Down
Test Duration: 4
Test Level: 3.55
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593812
Test Type: Draw Down
Test Duration: 10
Test Level: 3.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593813
Test Type: Recovery
Test Duration: 10
Test Level: 2.61
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593807
Test Type: Recovery
Test Duration: 3
Test Level: 2.97
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593803
Test Type: Recovery
Test Duration: 1
Test Level: 3.34
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593826
Test Type: Draw Down
Test Duration: 60
Test Level: 4.01
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593821
Test Type: Recovery
Test Duration: 30
Test Level: 2.52
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593805
Test Type: Recovery
Test Duration: 2
Test Level: 3.12
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593822
Test Type: Draw Down
Test Duration: 40
Test Level: 3.99
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593809
Test Type: Recovery
Test Duration: 4
Test Level: 2.85
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593810
Test Type: Draw Down
Test Duration: 5
Test Level: 3.64
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593804
Test Type: Draw Down
Test Duration: 2
Test Level: 3.38
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593815
Test Type: Recovery
Test Duration: 15
Test Level: 2.55
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593823
Test Type: Recovery
Test Duration: 40
Test Level: 2.51
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593824
Test Type: Draw Down
Test Duration: 50
Test Level: 4.01
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593827
Test Type: Recovery
Test Duration: 60
Test Level: 2.51
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593817
Test Type: Recovery
Test Duration: 20
Test Level: 2.83
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593825
Test Type: Recovery
Test Duration: 50
Test Level: 2.51

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593816
Test Type: Draw Down
Test Duration: 20
Test Level: 3.88
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11593802
Test Type: Draw Down
Test Duration: 1
Test Level: 3.3
Test Level UOM: m

Water Details

Water ID: 934073908
Layer: 1
Kind Code:
Kind:
Water Found Depth: 22.24
Water Found Depth UOM: m

Water Details

Water ID: 934073909
Layer: 2
Kind Code:
Kind:
Water Found Depth: 27.43
Water Found Depth UOM: m

Water Details

Water ID: 934073910
Layer: 3
Kind Code:
Kind:
Water Found Depth: 36.87
Water Found Depth UOM: m

Hole Diameter

Hole ID: 11681005
Diameter: 15.23
Depth From: 11.88
Depth To: 38.09
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 11681004
Diameter: 22.75
Depth From: 0
Depth To: 11.88

Hole Depth UOM: m
Hole Diameter UOM: cm

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38 | **1 of 1** | **ESE/135.4** | **79.1 / -1.60** | **351 SAND HILL RD lot 10 con 4 KANATA ON** | **WWIS**

Well ID: 1536260
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z39253
Tag: A035438
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 3/20/2006
Selected Flag: Yes
Abandonment Rec:
Contractor: 1558
Form Version: 3
Owner:
Street Name: 351 SAND HILL RD
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536260.pdf

Bore Hole Information

Bore Hole ID: 11550326
DP2BR: 31
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 2/1/2006
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 75.206916
Elevrc:
Zone: 18
East83: 427298
North83: 5022966
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 933041311
Layer: 3
Color: 2
General Color: GREY
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 9.44
Formation End Depth: 38.09
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	933041310
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.35
Formation End Depth:	9.44
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933041309
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	3.35
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933288530
Layer:	2
Plug From:	
Plug To:	
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933288529
Layer:	1
Plug From:	11.88
Plug To:	0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536260
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11559933
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930875939
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	11.88
Depth To:	38.09
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	930875938
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-.45
Depth To:	11.88
Casing Diameter:	15.86
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pump Test ID:	11569390
Pump Set At:	22.85
Static Level:	2.13
Final Level After Pumping:	3.56
Recommended Pump Depth:	22.85
Pumping Rate:	54.6
Flowing Rate:	
Recommended Pump Rate:	45.5
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11594100
Test Type:	Recovery
Test Duration:	2
Test Level:	2.58
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11594165
Test Type:	Recovery

Test Duration: 15
Test Level: 2.11
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594164
Test Type: Draw Down
Test Duration: 15
Test Level: 3.42
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594161
Test Type: Recovery
Test Duration: 5
Test Level: 2.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594104
Test Type: Recovery
Test Duration: 4
Test Level: 2.36
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594167
Test Type: Recovery
Test Duration: 20
Test Level: 2.15
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594175
Test Type: Recovery
Test Duration: 50
Test Level: 2.14
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594177
Test Type: Recovery
Test Duration: 60
Test Level: 2.14
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594101
Test Type: Draw Down
Test Duration: 3
Test Level: 3.17
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594174
Test Type: Draw Down
Test Duration: 50
Test Level: 3.53
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594099
Test Type: Draw Down
Test Duration: 2
Test Level: 3.11
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594168
Test Type: Draw Down
Test Duration: 25
Test Level: 3.48
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594163
Test Type: Recovery
Test Duration: 10
Test Level: 2.22
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594102
Test Type: Recovery
Test Duration: 3
Test Level: 2.47
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594098
Test Type: Recovery
Test Duration: 1
Test Level: 2.69
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594162
Test Type: Draw Down
Test Duration: 10
Test Level: 3.33
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594169

Test Type: Recovery
Test Duration: 25
Test Level: 2.14
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594172
Test Type: Draw Down
Test Duration: 40
Test Level: 3.52
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594170
Test Type: Draw Down
Test Duration: 30
Test Level: 3.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594105
Test Type: Draw Down
Test Duration: 5
Test Level: 3.24
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594097
Test Type: Draw Down
Test Duration: 1
Test Level: 3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594103
Test Type: Draw Down
Test Duration: 4
Test Level: 3.21
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594171
Test Type: Recovery
Test Duration: 30
Test Level: 2.14
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11594166
Test Type: Draw Down
Test Duration: 20
Test Level: 3.47
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	11594173
Test Type:	Recovery
Test Duration:	40
Test Level:	2.14
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11594176
Test Type:	Draw Down
Test Duration:	60
Test Level:	3.53
Test Level UOM:	m

Water Details

Water ID:	934073911
Layer:	3
Kind Code:	
Kind:	
Water Found Depth:	37.18
Water Found Depth UOM:	m

Water Details

Water ID:	934073912
Layer:	2
Kind Code:	
Kind:	
Water Found Depth:	28.04
Water Found Depth UOM:	m

Water Details

Water ID:	934073913
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	14.62
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11681007
Diameter:	22.75
Depth From:	0
Depth To:	11.88
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11681006
Diameter:	15.23
Depth From:	11.88
Depth To:	38.09
Hole Depth UOM:	m

Hole Diameter UOM: cm

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39 | **1 of 1** | **S/136.0** | **80.6 / -0.05** | **ON** | **BORE**

Borehole ID:	609813	**Inclin FLG:**	No
OGF ID:	215511428	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	APR-1971	**Municipality:**	
Static Water Level:	-13.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.35466
Total Depth m:	20.4	**Longitude DD:**	-75.931849
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	427011
Drill Method:		**Northing:**	5022772
Orig Ground Elev m:	77.7	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	76.1		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384155	**Mat Consistency:**	
Top Depth:	.9	**Material Moisture:**	
Bottom Depth:	6.1	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218384156	**Mat Consistency:**	
Top Depth:	6.1	**Material Moisture:**	
Bottom Depth:	6.4	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Gravel	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	GRAVEL.		

Geology Stratum ID:	218384154	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.9	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Soil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SOIL.		

Geology Stratum ID:	218384157	**Mat Consistency:**	
Top Depth:	6.4	**Material Moisture:**	
Bottom Depth:	20.4	**Material Texture:**	

Material Color:	Black	**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. WHITE. 00067. WATER STABLE AT 298.0 FEET.BLACK. LIMESTONE. BLUE. SANDSTONE.		

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: 02321 NTS_Sheet:		
Confiden 1:			

Source List

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

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40 | ***1 of 1*** | ***S/136.2*** | ***80.6 / -0.05*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	1511120	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/21/1971
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3504
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511120.pdf

Bore Hole Information

Bore Hole ID:	10033117	**Elevation:**	76.093482
DP2BR:	21	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	427010.6
Code OB Desc:	Bedrock	**North83:**	5022772
Open Hole:		**Org CS:**	

Cluster Kind:
Date Completed: 4/2/1971
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931016736
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016738
Layer: 3
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 21
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016737
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3
Formation End Depth: 20
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	931016739
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21
Formation End Depth:	67
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511120
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581687
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058765
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	67
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058764
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	24
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991511120
Pump Set At:	
Static Level:	0
Final Level After Pumping:	5
Recommended Pump Depth:	30

Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934097658
Test Type:	Recovery
Test Duration:	15
Test Level:	0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899728
Test Type:	Recovery
Test Duration:	60
Test Level:	0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380671
Test Type:	Recovery
Test Duration:	30
Test Level:	0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642804
Test Type:	Recovery
Test Duration:	45
Test Level:	0
Test Level UOM:	ft

Water Details

Water ID:	933466197
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	67
Water Found Depth UOM:	ft

Water Details

Water ID:	933466196
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
41	1 of 1	SSE/137.6	75.5 / -5.13	Imperial Oil Limited 1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7 Kanata ON K2K 1X7	RSC

RSC ID: 63910
RA No:
RSC Type:
Curr Property Use: Agriculture/Other
Ministry District: OTTAWA
Filing Date: 29-Jan-10
Date Ack:
Date Returned:
Restoration Type:
Soil Type:
Criteria:
CPU Issued Sect 1686: No

Cert Date: 25-Jun-09
Cert Prop Use No: No CPU
Intended Prop Use: Community
Qual Person Name: Ed Charlton
Stratified (Y/N):
Audit (Y/N):
Entire Leg Prop. (Y/N): No
Accuracy Estimate: 21 to 100 meters
Telephone: 416-4417389
Fax: 416-4417400
Email: ed.m.charlton@esso.ca

Asmt Roll No: 06-14-300-816-22700
Prop ID No (PIN): 04517-0801(LT)
Property Municipal Address: 1092 Klondike Road and 788 March Road, Kanata, Ontario K2K 1X7
Mailing Address: 90 WYNFORD AVE, TORONTO, ON, M3C 1K5
Latitude & Latitude: 45.35480640N 75.93137370W (converted from UTM)
UTM Coordinates: NAD83 18-427048-5022788
Consultant:
Legal Desc: Entire Legal Description: Part of Lot 10, Concession 4, as in N6B1746, save and except Part 1, Plan 4D95; Kanata. RSC Legal Description: Part of Lot 10, Concession 4, Geographic Township of March, being Part 1, 4R-24176, Ottawa.
Measurement Method: Digitized from a map
Applicable Standards: Full Depth Site Conditions Standard, with Potable Ground Water, Medium/Fine Textured Soil, for Industrial/Commercial/Community property use
RSC PDF:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	1 of 7	SSW/142.0	81.9 / 1.20	G.G PHARMACY INC. 1102 KLONDIKE RD KANATA ON K2K 0G1	PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
42	2 of 7	SSW/142.0	81.9 / 1.20	G.G PHARMACY INC. 1102 KLONDIKE RD KANATA ON K2K1X7	PES

Detail Licence No:
Licence No: 14783

Operator Box:
Operator Class:

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

Status:		**Operator No:**	
Approval Date:		**Operator Type:**	
Report Source:	Legacy Licenses (Excluding TS)	**Oper Area Code:**	613
Licence Type:	Limited Vendor	**Oper Phone No:**	5926010
Licence Type Code:	23	**Operator Ext:**	
Licence Class:	01	**Operator Lot:**	
Licence Control:		**Oper Concession:**	
Latitude:		**Operator Region:**	
Longitude:		**Operator District:**	
Lot:		**Operator County:**	
Concession:		**Op Municipality:**	
Region:		**Post Office Box:**	
District:		**MOE District:**	
County:		**SWP Area Name:**	
Trade Name:			
PDF Link:			

---

42 **3 of 7** **SSW/142.0** **81.9 / 1.20** **GEN**

2325225 Ontario Inc.
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7

Generator No:	ON8411031	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	NASTRAN NAJAFI-FARD
MHSW Facility:	No	**Phone No Admin:**	4164931120 Ext.3218
SIC Code:	446110		
SIC Description:	446110		

Detail(s)

Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

---

42 **4 of 7** **SSW/142.0** **81.9 / 1.20** **GEN**

G.G. Pharmacy Inc.
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7

Generator No:	ON8411031	**PO Box No:**	
Status:		**Country:**	Canada
Approval Years:	2015	**Choice of Contact:**	CO_ADMIN
Contam. Facility:	No	**Co Admin:**	NASTRAN NAJAFI-FARD
MHSW Facility:	No	**Phone No Admin:**	4164931120 Ext.3218
SIC Code:	446110		
SIC Description:	446110		

Detail(s)

Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

---

42 **5 of 7** **SSW/142.0** **81.9 / 1.20** **GEN**

2325225 Ontario Inc.
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7

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

Generator No: ON8411031
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

---

42 ***6 of 7*** ***SSW/142.0*** ***81.9 / 1.20*** ***2325225 Ontario Inc.***
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7 ***GEN***

Generator No: ON8411031
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

---

42 ***7 of 7*** ***SSW/142.0*** ***81.9 / 1.20*** ***2325225 Ontario Inc.***
1102 KLONDIKE ROAD, R R #1
KANATA ON K2K 1X7 ***GEN***

Generator No: ON8411031
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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43 ***1 of 1*** ***ESE/143.4*** ***79.9 / -0.75*** ***Kanata Muslim Association***
351 Sandhill Rd
Ottawa ON K2K 1X7 ***ECA***

Approval No: 2083-BDZMRC
MOE District:

Approval Date:	2019-07-26	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Business Name:	Kanata Muslim Association		
Address:	351 Sandhill Rd		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/3220-BDGQP6-14.pdf		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
44	1 of 1	ESE/143.4	79.9 / -0.75	351 Sandhill Rd Ottawa ON K2K1X7	EHS

Order No:	20161118096	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Select Report	**Client Prov/State:**	ON
Report Date:	25-NOV-16	**Search Radius (km):**	.25
Date Received:	18-NOV-16	**X:**	-75.928572
Previous Site Name:		**Y:**	45.355996
Lot/Building Size:	2.02 acres		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
45	1 of 1	ESE/145.3	78.9 / -1.80	351 Sandhill Road Kanata ON K2K 1X7	EHS

Order No:	20180830047	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Standard Express Report	**Client Prov/State:**	ON
Report Date:	30-AUG-18	**Search Radius (km):**	.25
Date Received:	30-AUG-18	**X:**	-75.928008
Previous Site Name:		**Y:**	45.356536
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches; Topographic Maps; City Directory		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
46	1 of 1	SSE/146.4	74.2 / -6.50	788 March Road Kanata ON K2K 1X7	EHS

Order No:	20180618029	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	RSC Report (Urban)	**Client Prov/State:**	ON
Report Date:	22-JUN-18	**Search Radius (km):**	.3
Date Received:	18-JUN-18	**X:**	-75.93096
Previous Site Name:		**Y:**	45.354905
Lot/Building Size:			
Additional Info Ordered:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
47	1 of 1	SSE/159.9	74.2 / -6.50	788 MARCH RD lot 10 con 4 KANATA ON	WWIS

Well ID:	7314270	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	7/6/2018
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7238
Casing Material:		**Form Version:**	7
Audit No:	Z283633	**Owner:**	

Tag:	A212888	**Street Name:**	788 MARCH RD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007145990	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	427081
Code OB Desc:		**North83:**	5022785
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/6/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007406316
Layer:	1
Color:	
General Color:	
Mat1:	04
Most Common Material:	PEAT
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007406317
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	

Formation Top Depth: 2
Formation End Depth: 19.5
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007406325
Layer: 2
Plug From: 7
Plug To: 19.5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007406324
Layer: 1
Plug From: 0
Plug To: 7
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007406323
Method Construction Code: E
Method Construction: Auger
Other Method Construction:

Pipe Information

Pipe ID: 1007406315
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007406320
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 9.5
Casing Diameter: 2
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007406321
Layer: 1
Slot: 10
Screen Top Depth: 9.5
Screen End Depth: 19.5
Screen Material: 5
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

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

Water Details

Water ID:	1007406319
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	15
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007406318
Diameter:	6
Depth From:	0
Depth To:	19.5
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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48 | ***1 of 1*** | ***E/166.2*** | ***75.9 / -4.80*** | ***1032 Klondike Road Kanata ON K2K 0H9*** | ***EHS***

Order No:	20130910010	***Nearest Intersection:***	
Status:	C	***Municipality:***	Ottawa
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	18-SEP-13	***Search Radius (km):***	.25
Date Received:	10-SEP-13	***X:***	-75.928121
Previous Site Name:		***Y:***	45.357951
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Searches		

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49 | ***1 of 1*** | ***W/167.5*** | ***79.9 / -0.80*** | ***856 MARCH RD. lot 11 con 4 KANATA ON*** | ***WWIS***

Well ID:	7112940	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:		***Date Received:***	10/14/2008
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	1558
Casing Material:		***Form Version:***	7
Audit No:	Z84393	***Owner:***	
Tag:		***Street Name:***	856 MARCH RD.
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7112940.pdf

Bore Hole Information

Bore Hole ID:	1001835759	***Elevation:***	77.041603
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18

Code OB:		***East83:***	426730
Code OB Desc:		***North83:***	5023125
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	9/5/2008	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1001937804
Layer:	1
Plug From:	
Plug To:	
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001937808
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1001937801
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1001937806
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:	1001937807
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

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

Water Details

Water ID: 1001937805
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001937803
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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50 ***1 of 2*** ***NW/169.9*** ***75.1 / -5.56*** ***Klondike Developments Inc.***
870 March Rd and 1001 Klondike Road
Ottawa ON K2C 0P9 ***ECA***

Approval No: 0215-79MK7R
Approval Date: 2007-12-06
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: Klondike Developments Inc.
Address: 870 March Rd and 1001 Klondike Road
Full Address:
Full PDF Link:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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50 ***2 of 2*** ***NW/169.9*** ***75.1 / -5.56*** ***Klondike Developments Inc.***
870 March Rd and 1001 Klondike Road
Ottawa ON K2C 0P9 ***ECA***

Approval No: 0048-79MQC5
Approval Date: 2007-12-06
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Klondike Developments Inc.
Address: 870 March Rd and 1001 Klondike Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3771-79KQRW-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

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51 ***1 of 1*** ***SSW/170.0*** ***83.3 / 2.62*** ***lot 10 con 3***
ON ***WWIS***

Well ID: 1503347
Construction Date:
Primary Water Use: Commerical
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Data Entry Status:
Data Src: 1
Date Received: 3/28/1966
Selected Flag: Yes
Abandonment Rec:
Contractor: 4216

Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503347.pdf

Bore Hole Information

Bore Hole ID:	10025390	***Elevation:***	78.034431
DP2BR:	5	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	426915.6
Code OB Desc:	Bedrock	***North83:***	5022742
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	2/25/1966	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930996635
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	82
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930996634
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503347
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573960
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043532
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930043533
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 82
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503347
Pump Set At:
Static Level: 35
Final Level After Pumping: 40
Recommended Pump Depth: 75
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0

Flowing: No

Water Details

Water ID: 933456241
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 82
Water Found Depth UOM: ft

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52 ***1 of 1*** ***E/176.8*** ***76.8 / -3.92*** ***Ottawa-Carleton District School Board Health & Safety***
1032 Klondike Road
Kanata ON K0K 0H9 ***GEN***

Generator No: ON2816884
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

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

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53 ***1 of 1*** ***W/187.6*** ***81.6 / 0.89*** ***860 MARCH RD. lot 11 con 4***
KANATA ON ***WWIS***

Well ID: 7112943
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z84392
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 10/14/2008
Selected Flag: Yes
Abandonment Rec: Yes
Contractor: 1558
Form Version: 7
Owner:
Street Name: 860 MARCH RD.
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/711\7112943.pdf

Bore Hole Information

Bore Hole ID: 1001835768
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Elevation: 77.300338
Elevrc:
Zone: 18
East83: 426698
North83: 5023143

Open Hole:
Cluster Kind:
Date Completed: 9/5/2008
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1001937898
Layer: 1
Plug From:
Plug To:
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001937902
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1001937895
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001937900
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: 1001937901
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1001937899
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001937897
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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54 | **1 of 1** | **S/189.4** | **83.3 / 2.67** | **1102 Klondike Road Kanata ON K2K 1X7** | **EHS**

Order No: 20180816118
Status: C
Report Type: Standard Report
Report Date: 22-AUG-18
Date Received: 16-AUG-18
Previous Site Name:
Lot/Building Size:
Additional Info Ordered: Fire Insur. Maps and/or Site Plans

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.932515
Y: 45.354128

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55 | **1 of 1** | **W/194.8** | **81.6 / 0.89** | **lot 11 con 4 ON** | **WWIS**

Well ID: 1503413
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/20/1962
Selected Flag: Yes
Abandonment Rec:
Contractor: 4825
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503413.pdf

Bore Hole Information

Bore Hole ID: 10025456
DP2BR: 22
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:

Elevation: 77.416564
Elevrc:
Zone: 18
East83: 426690.6
North83: 5023142
Org CS:

Cluster Kind:
Date Completed: 11/12/1961
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 930996773
Layer: 1
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996774
Layer: 2
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 22
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996775
Layer: 3
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 22
Formation End Depth: 38
Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961503413
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10574026
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043661
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930043662
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 38
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503413
Pump Set At:
Static Level: 10
Final Level After Pumping: 14
Recommended Pump Depth: 30
Pumping Rate: 6
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933456318
Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 37
Water Found Depth UOM: ft

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56 *1 of 1* *WNW/205.7* *79.2 / -1.50* ***886 March Road Ottawa ON K2K 1X7*** ***EHS***

Order No: 20120611011
Status: C
Report Type: Standard Select Report
Report Date: 12-JUN-12
Date Received: 11-JUN-12
Previous Site Name:
Lot/Building Size: 15,800sm
Additional Info Ordered:
Nearest Intersection:
Municipality: Kanata
Client Prov/State: ON
Search Radius (km): .25
X: -75.936185
Y: 45.359224

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57 *1 of 2* *WNW/213.8* *81.6 / 0.89* ***858 March Rd,Kanata ON*** ***PINC***

Incident ID: 2682198
Incident No: 525800
Incident Reported Dt:
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Customer Acct Name:
Incident Address:
Tank Status: RC Established
Task No: 3215894
Spills Action Centre:
Fuel Type: Natural Gas
Fuel Occurrence Tp: Pipeline Strike
Date of Occurrence: 1/6/2011 0:00
Occurrence Start Dt: 2011/02/09
Operation Type: Construction Site (including excavation)
Pipeline Type:
Regulator Type:
Summary: 858 March Rd,Kanata - 1 1/4" PE Pipeline Hit
Reported By: Stiles, Jeff - Enbridge
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc: no locates with operator
Damage Reason: Excavation practices not sufficient
Notes:
Fuel Category: Natural Gas
Health Impact: No
Environment Impact: No
Property Damage: Yes
Service Interupt: Yes
Enforce Policy: Yes
Public Relation: No
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category: FS-Perform P-line Inc Invest
Regulator Location:
Method Details: E-mail

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57 *2 of 2* *WNW/213.8* *81.6 / 0.89* ***858 MARCH ROAD, KANATA ON K2W 0C9*** ***PINC***

Incident ID: 2685528
Incident No: 529122
Incident Reported Dt:
Type: FS-Pipeline Incident
Status Code: Pipeline Damage Reason Est
Customer Acct Name:
Incident Address:
Tank Status:
Task No:
Spills Action Centre: N/A
Fuel Type:
Fuel Occurrence Tp:
Date of Occurrence:
Occurrence Start Dt:
Operation Type:
Fuel Category: Heating Fuel
Health Impact:
Environment Impact:
Property Damage:
Service Interupt:
Enforce Policy:
Public Relation:
Pipeline System:
Depth:
Pipe Material:
PSIG:
Attribute Category:
Regulator Location:
Method Details:

Pipeline Type:
Regulator Type:
Summary: 858 MARCH ROAD, KANATA - 1 1/4" PIPELINE HIT
Reported By: JEFF STILES - ENBRIDGE OTTAWA
Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
Occurrence Desc:
Damage Reason:
Notes:

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58 | **1 of 1** | **WNW/215.0** | **79.9 / -0.77** | **McDonald's Restaurants of Canada Limited**
886 March Rd
Ottawa ON H9P 2V5 | **ECA**

Approval No: 2706-9MJQ5V
Approval Date: 2014-08-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: McDonald's Restaurants of Canada Limited
Address: 886 March Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3363-9FZJC9-14.pdf

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59 | **1 of 1** | **W/219.1** | **81.9 / 1.20** | **PRIVATE OWNER**
RESIDENCE AT 865 MARCH RD. (OWNER MR. WARD, 592-4814) STORAGE TANK/BARREL
OTTAWA CITY ON K2K 1X7 | **SPL**

Ref No: 72862
Site No:
Incident Dt: 6/30/1992
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Soil Contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/30/1992
Dt Document Closed:
Incident Reason: EQUIPMENT FAILURE
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: FURNACE OIL TO GROUND FROM FILL PIPE AT PRIVATERESIDENCE.
Contaminant Qty:
Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: REPORT FAXED TO MCCR
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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60 | **1 of 1** | **WSW/219.9** | **84.7 / 4.07** | **426 BRECKENRIDGE CRESCENT, KANATA ON** | **INC**

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

Incident No:	1332386	**Any Health Impact:**	No
Incident ID:		**Any Enviro Impact:**	No
Instance No:		**Service Interrupted:**	Yes
Status Code:		**Was Prop Damaged:**	Yes
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2014/02/04 00:00:00	**Indus App. Type:**	
Time of Occurrence:	NULL	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2014/02/05 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	CO Release	**Depth Ground Cover:**	
Fuel Type Involved:	Natural Gas	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	4800451	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	

Incident Location: 426 BRECKENRIDGE CRESCENT, KANATA - CO RELEASE
Occurence Narrative: co alarming, ppm found in home, faulty detector
Operation Type Involved: Private Dwelling
Item:
Item Description:
Device Installed Location:

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61 | ***1 of 1*** | ***ESE/220.2*** | ***78.8 / -1.83*** | ***Minto Communities Inc.***
335 Sandhill Rd
Ottawa ON K1P 0B6 | ***ECA***

Approval No:	2887-BVJN74	**MOE District:**	
Approval Date:	2020-11-27	**City:**	
Status:	Approved	**Longitude:**	
Record Type:	ECA	**Latitude:**	
Link Source:	IDS	**Geometry X:**	
SWP Area Name:		**Geometry Y:**	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address: 335 Sandhill Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7538-BV4R97-14.pdf

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62 | ***1 of 1*** | ***WNW/227.5*** | ***81.6 / 0.89*** | ***886 MARCH ROAD lot 11 con 4***
CARP ON | ***WWIS***

Well ID:	7049297	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	9/17/2007
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	1119

Casing Material:		**Form Version:**	4
Audit No:	Z60172	**Owner:**	
Tag:		**Street Name:**	886 MARCH ROAD
Construction Method:		**County:**	OTTAWA
Elevation (m):		**Municipality:**	MARCH TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7049297.pdf

Bore Hole Information

Bore Hole ID:	23049297	**Elevation:**	77.812026
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	426646
Code OB Desc:		**North83:**	5023182
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/2/2007	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1000025640
Layer:	1
Color:	
General Color:	
Mat1:	
Most Common Material:	
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1000025641
Layer:	1
Plug From:	24.08
Plug To:	0.15
Plug Depth UOM:	m

Annular Space/Abandonment

Sealing Record

Plug ID:	1000025642
Layer:	2
Plug From:	0.15
Plug To:	0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1000025645
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1000025638
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Screen

Screen ID:	1000025644
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1000025639
Pump Set At:	
Static Level:	
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1000025643
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
63	1 of 1	SW/230.5	84.1 / 3.42	lot 11 con 3 ON	WWIS

Well ID: 1517710
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 2/11/1982
Selected Flag: Yes
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: MARCH TOWNSHIP
Site Info:
Lot: 011
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517710.pdf

Bore Hole Information

Bore Hole ID: 10039582
DP2BR: 8
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 9/15/1981
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 80.339553
Elevrc:
Zone: 18
East83: 426829.6
North83: 5022721
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931036052
Layer: 1
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 8
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931036053
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8
Formation End Depth:	75
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517710
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10588152
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069186
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991517710
Pump Set At:	
Static Level:	32
Final Level After Pumping:	70
Recommended Pump Depth:	60
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934376125
Test Type:	Recovery
Test Duration:	30
Test Level:	32
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934895653
Test Type:	Recovery
Test Duration:	60
Test Level:	32
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934646378
Test Type:	Recovery
Test Duration:	45
Test Level:	32
Test Level UOM:	ft

Water Details

Water ID:	933474237
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	70
Water Found Depth UOM:	ft

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64 ***1 of 1*** ***WNW/231.7*** ***80.9 / 0.25*** ***lot 11 con 4 ON*** ***WWIS***

Well ID:	1510247	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	10/30/1969
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	1503
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510247.pdf

Bore Hole Information

Bore Hole ID:	10032275	**Elevation:**	77.674873
DP2BR:	25	**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:	r	**East83:**	426640.6
Code OB Desc:	Bedrock	**North83:**	5023192
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	6/11/1969	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931014324
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931014325
Layer:	2
Color:	
General Color:	
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25
Formation End Depth:	61
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510247
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580845

Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057145
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057146
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	61
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991510247
Pump Set At:	
Static Level:	5
Final Level After Pumping:	9
Recommended Pump Depth:	30
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933465213
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60
Water Found Depth UOM:	ft

65 ***1 of 1*** ***WNW/231.7*** ***80.9 / 0.25*** ***ON*** ***BORE***

Borehole ID:	609823	***Inclin FLG:***	No
OGF ID:	215511438	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No

Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	JUN-1969	**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.358401
Total Depth m:	18.6	**Longitude DD:**	-75.936635
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	426641
Drill Method:		**Northing:**	5023192
Orig Ground Elev m:	78	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	77.7		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384176	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	7.6	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY.		

Geology Stratum ID:	218384177	**Mat Consistency:**	
Top Depth:	7.6	**Material Moisture:**	
Bottom Depth:	18.6	**Material Texture:**	
Material Color:	Black	**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. 00060000870005800075 SEISMIC VELOCITY = 14600. FEET.BLACK. LIMESTONE.		

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: 02331 NTS_Sheet:		
Confiden 1:			

Source List

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
66	1 of 1	WNW/232.0	78.9 / -1.80	ON	BORE

Borehole ID:	609828	**Inclin FLG:**	No
OGF ID:	215511443	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:		**Municipality:**	
Static Water Level:		**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.359664
Total Depth m:	-999	**Longitude DD:**	-75.936272
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	426671
Drill Method:		**Northing:**	5023332
Orig Ground Elev m:	76.2	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	75.4		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384189	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	2.7	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Sand	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SAND.		

Geology Stratum ID:	218384190	**Mat Consistency:**	
Top Depth:	2.7	**Material Moisture:**	
Bottom Depth:	5.5	**Material Texture:**	
Material Color:	Blue	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY. BLUE.		

Geology Stratum ID:	218384191	**Mat Consistency:**	
Top Depth:	5.5	**Material Moisture:**	
Bottom Depth:		**Material Texture:**	
Material Color:	Black	**Non Geo Mat Type:**	
Material 1:	Bedrock	**Geologic Formation:**	
Material 2:	Sandstone	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	BEDROCK,SANDSTONE. 64 VELOCITY = 14600. FEET.BLACK. LIMESTONE. BLUE. SANDSTO **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

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

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

Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	M	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 023360 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		

67	*1 of 1*	*SW/234.5*	*84.3 / 3.58*	*ON*	*BORE*

Borehole ID:	609810	**Inclin FLG:**	No
OGF ID:	215511425	**SP Status:**	Initial Entry
Status:		**Surv Elev:**	No
Type:	Borehole	**Piezometer:**	No
Use:		**Primary Name:**	
Completion Date:	NOV-1953	**Municipality:**	
Static Water Level:	-10.0	**Lot:**	
Primary Water Use:		**Township:**	
Sec. Water Use:		**Latitude DD:**	45.354279
Total Depth m:	20.7	**Longitude DD:**	-75.934396
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	426811
Drill Method:		**Northing:**	5022732
Orig Ground Elev m:	80.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	80.9		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218384147	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.3	**Material Texture:**	
Material Color:		**Non Geo Mat Type:**	
Material 1:	Soil	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SOIL.		

Geology Stratum ID:	218384148	**Mat Consistency:**	
Top Depth:	.3	**Material Moisture:**	
Bottom Depth:	20.7	**Material Texture:**	
Material Color:	Black	**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. FACE. BEDROCK,SANDSTONE. WATER STABLE AT 298.0 FEET.BLACK. LIMESTONE.		

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: 02318 NTS_Sheet:		
Confiden 1:			

Source List

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

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68 ***1 of 1*** ***SW/234.6*** ***84.3 / 3.58*** ***lot 11 con 3 ON*** ***WWIS***

Well ID:	1503348	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	3/1/1954
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	4825
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	OTTAWA
Elevation (m):		***Municipality:***	MARCH TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1503348.pdf

Bore Hole Information

Bore Hole ID:	10025391	***Elevation:***	80.861373
DP2BR:	1	***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:	r	***East83:***	426810.6
Code OB Desc:	Bedrock	***North83:***	5022732
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	11/3/1953	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930996636
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930996637
Layer: 2
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 68
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961503348
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573961
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930043534
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 42
Casing Diameter: 4
Casing Diameter UOM: inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930043535
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 68
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991503348
Pump Set At:
Static Level: 35
Final Level After Pumping: 60
Recommended Pump Depth:
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933456242
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55
Water Found Depth UOM: ft

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69 | ***1 of 15*** | ***S/238.4*** | ***83.2 / 2.50*** | ***Activecare klondike medical centre*** ***1108 klondike rd.*** ***ottawa ON K2K0G1*** | ***GEN***

Generator No: ON9298734
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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69 | ***2 of 15*** | ***S/238.4*** | ***83.2 / 2.50*** | ***Activecare klondike medical centre*** ***1108 klondike rd.*** | ***GEN***

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
				ottawa ON K2K0G1	

Generator No: ON9298734
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

69 **3 of 15** **S/238.4** **83.2 / 2.50** **Activecare klondike medical centre** **GEN**
1108 klondike rd.
ottawa ON K2K0G1

Generator No: ON9298734
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: Offices of Physicians

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

69 **4 of 15** **S/238.4** **83.2 / 2.50** **Activecare klondike medical centre** **GEN**
1108 klondike rd.
ottawa ON

Generator No: ON9298734
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

69 **5 of 15** **S/238.4** **83.2 / 2.50** **Activecare klondike medical centre** **GEN**
1108 klondike rd.
ottawa ON K2K0G1

Generator No: ON9298734
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

---

69 ***6 of 15*** ***S/238.4*** ***83.2 / 2.50*** ***INVIVA McKesson Pharma*** ***GEN***
1108 Klondike Road Unit A
Kanata ON K2K 0G1

Generator No: ON3526988
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: na na
Phone No Admin: na Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 261
Waste Class Desc: PHARMACEUTICALS

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69 ***7 of 15*** ***S/238.4*** ***83.2 / 2.50*** ***INVIVA McKesson Pharma*** ***GEN***
1108 Klondike Road Unit A
Kanata ON K2K 0G1

Generator No: ON3526988
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621390
SIC Description: OFFICES OF ALL OTHER HEALTH PRACTITIONERS

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: na na
Phone No Admin: na Ext.

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

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69 ***8 of 15*** ***S/238.4*** ***83.2 / 2.50*** ***Activecare klondike medical centre*** ***GEN***
1108 klondike rd.
ottawa ON K2K0G1

Generator No: ON9298734
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
69	9 of 15	S/238.4	83.2 / 2.50	Activecare klondike medical centre 1108 klondike rd. ottawa ON K2K0G1	GEN

Generator No: ON9298734
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

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

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
69	10 of 15	S/238.4	83.2 / 2.50	INVIVA McKesson Pharma INVIVA 1108 Klondike Road Unit A Kanata ON K2K 0G1	GEN

Generator No: ON3526988
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
69	11 of 15	S/238.4	83.2 / 2.50	Activecare klondike medical centre 1108 klondike rd. ottawa ON K2K0G1	GEN

Generator No: ON9298734
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
69	12 of 15	S/238.4	83.2 / 2.50	INVIVA McKesson Pharma INVIVA 1108 Klondike Road Unit A Kanata ON K2K 0G1	GEN

Generator No: ON3526988
Status: Registered

PO Box No:
Country: Canada

Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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69 ***13 of 15*** ***S/238.4*** ***83.2 / 2.50*** ***GEN***

Activecare klondike medical centre
1108 klondike rd.
ottawa ON K2K0G1

Generator No: ON9298734
Status: Registered
Approval Years: As of Jul 2020
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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69 ***14 of 15*** ***S/238.4*** ***83.2 / 2.50*** ***GEN***

Activecare klondike medical centre
1108 klondike rd.
ottawa ON K2K0G1

Generator No: ON9298734
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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69 ***15 of 15*** ***S/238.4*** ***83.2 / 2.50*** ***GEN***

INVIVA McKesson Pharma INVIVA
1108 Klondike Road Unit A
Kanata ON K2K 0G1

Generator No: ON3526988
Status: Registered
Approval Years: As of Jan 2021
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:
PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P
Waste Class Desc: Pathological wastes

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70 ***1 of 2*** ***SSE/243.9*** ***76.5 / -4.16*** ***MINTO COMMUNITIES INC.*** ***EASR***
762 March RD
Kanata ON K2K 0A5

Approval No:	R-009-8111322119	***SWP Area Name:***	Mississippi Valley
Status:	REGISTERED	***MOE District:***	Ottawa
Date:	2019-05-16	***Municipality:***	Kanata
Record Type:	EASR	***Latitude:***	45.35416667
Link Source:	MOFA	***Longitude:***	-75.93
Project Type:	Water Taking - Construction Dewatering	***Geometry X:***	
Full Address:		***Geometry Y:***	

Approval Type: EASR-Water Taking - Construction Dewatering
Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2152775

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70 ***2 of 2*** ***SSE/243.9*** ***76.5 / -4.16*** ***Minto Communities Inc.*** ***ECA***
762 March Rd
Ottawa ON K1P 0B6

Approval No:	1129-BFEHBS	***MOE District:***	
Approval Date:	2019-08-27	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address: 762 March Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6940-BF2K9V-14.pdf

Unplottable Summary

Total: 70 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 11 Con 3	Kanata ON	
CA	R.M. OF OTTAWA-CARLETON	ONT.HYDRO ESMT/KLONDIKE RD.	KANATA CITY ON	
CA	Tenth Line Development Inc.	Sandhill Rd Kanata	Ottawa ON	
CA	Minto Communities Inc.	Ward 21	Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
CA	Minto Communities Inc.		Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
CA	Riotrin Properties (March Road) Inc.		Ottawa ON	
CA	Klondike Developments Inc.		Ottawa ON	
CA	Minto Communities Inc.	Part 3, RP 4R-7806, Ward (2), Orleans	Ottawa ON	
CA		Part of Lot 10, Concession 3	Kanata ON	
CA		Lot 10, Concession 3	Kanata ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 5B	Lot 10, Concession 3	Kanata ON	
CA	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA		Part of Lot 10, Concession 3	Kanata ON	

CA		Lot 10, Concession 3	Kanata ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 5B	Lot 10, Concession 3	Kanata ON	
CA	R.M. OF OTTAWA-CARLETON	MARCH ROAD RECON., SWM FAC.	KANATA CITY ON	
CA	Minto Communities Inc.	Ward 21	Ottawa ON	
CONV	IMPERIAL OIL LIMITED		DON MILLS ON	
CONV	IMPERIAL OIL LIMITED		NORTH YORK ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
DTNK	CITY OF KANATA	KLONDIKE RD	KANATA ON	
EBR	Minto Communities		ON	
EBR	Minto Communities Inc.	Ottawa, Ontario CITY OF OTTAWA	ON	
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Kanata North Landowners Group Inc.	March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road	Ottawa ON	K1R 7Y2
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6

ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.	(Ottawa Front)	Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.	(Ottawa Front)	Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
ECA	Minto Communities Inc.		Ottawa ON	K1P 0B6
EXP	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
EXP	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
EXP	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
EXP	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
EXP	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
FST	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
FST	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
FST	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
FST	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	
FST	CITY OF KANATA	KLONDIKE RD KANATA K2L 2N3 ON CA	ON	

LIMO		Lot 10 Concession 3 Ottawa	ON
PRT	CITY OF KANATA	KLONDIKE RD	KANATA ON
PRT	CITY OF KANATA	KLONDIKE RD	KANATA ON
PTTW	Minto Communities Inc.		ON
PTTW	Minto Communities Inc.		ON
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON
SPL	ONTARIO HYDRO	SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER	KANATA CITY ON

Unplottable Report

Site:
Lot 11 Con 3 Kanata ON

Database: ***AAGR***

Type:	Quarry
Region/County:	Ottawa-Carleton
Township:	Kanata
Concession:	3
Lot:	11
Size (ha):	0.5
Landuse:	
Comments:	

Site: ***R.M. OF OTTAWA-CARLETON***
ONT.HYDRO ESMT/KLONDIKE RD. KANATA CITY ON

Database: ***CA***

Certificate #:	3-0927-95-
Application Year:	95
Issue Date:	7/19/1995
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Tenth Line Development Inc.***
Sandhill Rd Kanata Ottawa ON

Database: ***CA***

Certificate #:	6996-7TWQND
Application Year:	2009
Issue Date:	7/14/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Minto Communities Inc.***
Ward 21 Ottawa ON

Database: ***CA***

Certificate #:	3852-7XHSD6
Application Year:	2009
Issue Date:	11/10/2009
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	

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

Site: ***Klondike Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3603-6XAVNJ
Application Year: 2007
Issue Date: 2/5/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 3058-7JZKTF
Application Year: 2008
Issue Date: 10/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Klondike Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 2785-6SHLAU
Application Year: 2006
Issue Date: 8/11/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Riotrin Properties (March Road) Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 1369-7TZJGG
Application Year: 2009
Issue Date: 8/5/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Klondike Developments Inc.***
Ottawa ON

Database: ***CA***

Certificate #: 7943-6PNT68
Application Year: 2006
Issue Date: 6/30/2006
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Part 3, RP 4R-7806, Ward (2), Orleans Ottawa ON

Database: ***CA***

Certificate #: 9811-856NNC
Application Year: 2010
Issue Date: 5/7/2010
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:
Part of Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 0081-4LFQ7S
Application Year: 00
Issue Date: 6/21/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Ave. West
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Watermains to be constructed in Morgan's Grant Subdivision Phase 5C in the City of Kanata.
Contaminants:
Emission Control:

Site: ***Database:***
Lot 10, Concession 3 Kanata ON ***CA***

Certificate #:	8141-4Q2Q3S
Application Year:	00
Issue Date:	10/13/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Ave. West
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	Construction of a watermian in Morgan's Grant Subdivision Phase 2, Block 223 in the City of Kanata, on Street No. 1.
Contaminants:	
Emission Control:	

Site: ***Morgan's Grant Subdivision Phase 9*** ***Database:***
Lot 10, Concession 3 Ottawa ON ***CA***

Certificate #:	1411-4UMSZM
Application Year:	01
Issue Date:	3/10/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Avenue West, Suite 300
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	Installation of watermains on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants:	
Emission Control:	

Site: ***Morgan's Grant Subdivision Phase 6, 7 & 8*** ***Database:***
Lot 10, Concession 3 Ottawa ON ***CA***

Certificate #:	8414-53CPMC
Application Year:	01
Issue Date:	10/11/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Minto Developments Inc.
Client Address:	427 Laurier Avenue West, Suite 300
Client City:	Ottawa
Client Postal Code:	K1R 7Y2
Project Description:	Construction of Watermains for Residential Development in Morgan's Grant Subdivision Phase 6, 7 & 8.
Contaminants:	
Emission Control:	

Site: ***Morgan's Grant Subdivision Phase 5B*** ***Database:***
Lot 10, Concession 3 Kanata ON ***CA***

Certificate #:	8843-4Q7RKV
Application Year:	00
Issue Date:	10/25/00
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval

Client Name: Minto Developments Inc.
Client Address: 427 Laurier Ave. West
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Watermains to be constructed in Morgan's Grant Subdivision Phase 5B in the City of Kanata.
Contaminants:
Emission Control:

Site: ***Morgan's Grant***
Part of Lot 11, Concession 3 Ottawa ON

Database: ***CA***

Certificate #: 8692-54QSUG
Application Year: 01
Issue Date: 12/21/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Stormwater management facility providing water quantity and quality control.
Contaminants:
Emission Control:

Site:
Part of Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 7072-4LFPRF
Application Year: 00
Issue Date: 6/21/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Ave. West
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Sotrm and sanitary sewers to be constructed in Morgan's Grant Subdivision Phase 5C in the City of Kanata.
Contaminants:
Emission Control:

Site:
Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 3520-4Q2R3G
Application Year: 00
Issue Date: 10/13/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Ave. West
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Construction of sanitary and storm sewers in Morgan's Subdivision Phase 2, Block 223, in the City of Kanata, on Goulbourn Road and Street No. 1 (Cul-de-sac).
Contaminants:
Emission Control:

Site: ***Morgan's Grant Subdivision Phase 9***
Lot 10, Concession 3 Ottawa ON

Database: ***CA***

Certificate #: 0828-4UMQX6
Application Year: 01
Issue Date: 3/10/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Installation of storm and sanitary sewers in Morgan's Grant Subdivision Phase 9, on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants:
Emission Control:

Site: ***Morgan's Grant Subdivision Phase 6, 7 & 8***
Lot 10, Concession 3 Ottawa ON

Database: ***CA***

Certificate #: 8761-53CPYZ
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Construction of Storm and Sanitary Sewers for Residential Development Morgan's Grant Subdivision Phase 6, 7, & 8
Contaminants:
Emission Control:

Site: ***Morgan's Grant Subdivision Phase 5B***
Lot 10, Concession 3 Kanata ON

Database: ***CA***

Certificate #: 3314-4Q7RF4
Application Year: 00
Issue Date: 10/25/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Ave. West
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Storm and sanitary sewers to be constructed in Morgan's Grant Subdivision Phase 5B in the City of Kanata.
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
MARCH ROAD RECON., SWM FAC. KANATA CITY ON

Database: ***CA***

Certificate #: 3-0372-96-
Application Year: 96
Issue Date: 6/20/1996
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: ***Minto Communities Inc.***
Ward 21 Ottawa ON

Database: ***CA***

Certificate #: 6616-7XYSBE
Application Year: 2009
Issue Date: 12/4/2009
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***IMPERIAL OIL LIMITED***
DON MILLS ON

Database: ***CONV***

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAILED TO COMPLY WITH CONDITIONS OF C. OF A.
Background:
URL:

Location:
Region: EASTERN REGION
Ministry District:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: $6,000
Synopsis:

Site: ***IMPERIAL OIL LIMITED***
NORTH YORK ON

Database: ***CONV***

File No:
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:

Location:
Region: EASTERN REGION
Ministry District:

Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: FAILED TO INSPECT OIL/WATER SEPARATOR WEEKLY & MAINTAIN LOG BOOK AT SITE
Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: $4,000
Synopsis:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section: 66(3)
Act/Regulation/Section: OWRA- -66(3)
Date of Offence:
Date of Conviction:
Date Charged: 6/4/93
Charge Disposition:
Fine: $1,000
Synopsis:

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10797984
Status: EXPIRED
Instance ID: 41317
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety

Facilities

Instance No: 10797969
Status: EXPIRED
Instance ID: 41197
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10798032
Status: EXPIRED
Instance ID: 39407
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9319126
Status: EXPIRED
Instance ID: 384893
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 9392489
Status: EXPIRED
Instance ID: 380134
Instance Type: FS Facility
Description: Fuels Safety Private Fuel Outlet - Self Serve

TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10798017
Status: EXPIRED
Instance ID: 41890
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***DTNK***

Delisted Expired Fuel Safety Facilities

Instance No: 10797999
Status: EXPIRED
Instance ID: 40770
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

Site: ***Minto Communities***
ON

Database: ***EBR***

EBR Registry No: 019-2808
Ministry Ref No: KV-C-001-19
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: December 4, 2020
Year: 2020
Decision Posted: February 26, 2021
Exception Posted:
Section: Section 17 (2) (c)
Act 1: Endangered Species Act , R.S.O. 2007
Act 2: Endangered Species Act, 2007
Site Location Map:
Instrument Type: Permit for activities to achieve an overall benefit to a species
Off Instrument Name: Permit for activities with conditions to achieve overall benefit to the species (ESA s.17(2) (c))
Posted By: Ministry of the Environment, Conservation and Parks
Company Name:
Site Address:
Location Other:
Proponent Name: Minto Communities
Proponent Address: Minto Communities
180 Kent Street
Unit 200

Ottawa,
ON
K1P 0B6
Canada

Comment Period: December 4, 2020 - January 3, 2021 (30 days) Closed
URL: https://ero.ontario.ca/notice/019-2808

Site Location Details:

Part of Lot 12, Concession 4, Township of March, Ottawa

Site: ***Minto Communities Inc.***
Ottawa, Ontario CITY OF OTTAWA ON

Database: ***EBR***

EBR Registry No:	013-0315	***Decision Posted:***	
Ministry Ref No:	MNRF INST 30/17	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	September 28, 2017	***Act 2:***	
Proposal Date:	April 10, 2017	***Site Location Map:***	
Year:	2017		

Instrument Type: (ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Site Location Details:

Ottawa, Ontario CITY OF OTTAWA

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	6142-BEJHCE	***MOE District:***	
Approval Date:	2019-08-01	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0892-BDSKVQ-14.pdf

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Site: ***Kanata North Landowners Group Inc.***
March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road
Ottawa ON K1R 7Y2

Database: ***ECA***

Approval No:	5177-BHWJYH	***MOE District:***	
Approval Date:	2019-11-17	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	

SWP Area Name: ***Geometry Y:***
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Kanata North Landowners Group Inc.
Address: March Rd from Maxwell Road to Shirley's Brook Drive, Shirley's Brook Drive from March Road to Sandhill Road
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0381-BHLP24-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8605-AYUHJG ***MOE District:***
Approval Date: 2018-05-30 ***City:***
Status: Approved ***Longitude:***
Record Type: ECA ***Latitude:***
Link Source: IDS ***Geometry X:***
SWP Area Name: ***Geometry Y:***
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7723-AYKNXD-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3128-AQGJ6T ***MOE District:***
Approval Date: 2017-08-23 ***City:***
Status: Approved ***Longitude:***
Record Type: ECA ***Latitude:***
Link Source: IDS ***Geometry X:***
SWP Area Name: ***Geometry Y:***
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4569-AQCRKJ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 1720-AKJGKQ ***MOE District:***
Approval Date: 2017-03-24 ***City:***
Status: Approved ***Longitude:***
Record Type: ECA ***Latitude:***
Link Source: IDS ***Geometry X:***
SWP Area Name: ***Geometry Y:***
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1769-AKEQQZ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7598-94TRX3 ***MOE District:***
Approval Date: 2013-02-26 ***City:***
Status: Approved ***Longitude:***

Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2553-8VDQUF-14.pdf
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8813-9WYQ2J
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4625-9WXRTA-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 2268-9WYR3F
Approval Date: 2015-06-08
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3873-9WWLDY-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 0606-AHXJCH
Approval Date: 2017-02-02
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
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4552-AHSJ74-14.pdf
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7661-ABCKQL
MOE District:

Approval Date: 2016-06-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5664-AB4KGV-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 8270-A3ZLU2
Approval Date: 2015-11-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/8185-A3PRB5-14.pdf

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Site: ***Minto Communities Inc.***
(Ottawa Front) Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 6097-9N5HW9
Approval Date: 2014-08-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address: (Ottawa Front)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/9823-9MRHMN-14.pdf

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Site: ***Minto Communities Inc.***
(Ottawa Front) Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 1810-9L6SH8
Approval Date: 2014-06-27
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address: (Ottawa Front)
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6653-9KSHJ5-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7971-9EAST8
Approval Date: 2014-01-10
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7322-9E4LGN-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 7202-97BLB4
Approval Date: 2013-05-23
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4553-95ZKWJ-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 0195-95LSVA
Approval Date: 2013-03-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1964-8XNJA4-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No: 3053-8YJNWU
Approval Date: 2012-10-01
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1397-8XNJGH-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	1554-8Y2HZ6	***MOE District:***	
Approval Date:	2012-09-14	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1100-8WTMSY-14.pdf

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Site: ***Minto Communities Inc.***
Ottawa ON K1P 0B6

Database: ***ECA***

Approval No:	3002-8PBSB4	***MOE District:***	
Approval Date:	2012-01-31	***City:***	
Status:	Revoked and/or Replaced	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Minto Communities Inc.
Address:
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6465-8NETCD-14.pdf

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Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***EXP***

Instance No:	10798008	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	12/27/1990	***Fuel Type3:***	NULL
Instance Install Dt:	12/27/1990	***Piping Steel:***	
Item:		***Piping Galvanized:***	
Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:21:00 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		

Source: FS Liquid Fuel Tank
Description: UNDERGROUND TANK
Serial No: NULL
Ulc Standard: NULL
Facility Location: KLONDIKE RD KANATA K2L 2N3 ON CA

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***EXP***

Instance No:	10798026	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	12/27/1990	***Fuel Type3:***	NULL
Instance Install Dt:	12/27/1990	***Piping Steel:***	
Item:		***Piping Galvanized:***	

Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:21:01 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***EXP***

Instance No:	10797990	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	8/28/1990	***Fuel Type3:***	NULL
Instance Install Dt:	8/28/1990	***Piping Steel:***	
Item:		***Piping Galvanized:***	
Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:21:04 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***EXP***

Instance No:	10797978	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	8/28/1990	***Fuel Type3:***	NULL
Instance Install Dt:	8/28/1990	***Piping Steel:***	
Item:		***Piping Galvanized:***	
Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:21:06 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***EXP***

Instance No:	10797960	***Model:***	NULL
Status:	EXPIRED	***Quantity:***	1
Instance ID:		***Unit of Measure:***	EA
Instance Type:		***Fuel Type2:***	NULL
Instance Creation Dt:	8/28/1990	***Fuel Type3:***	NULL

Instance Install Dt:	8/28/1990	***Piping Steel:***	
Item:		***Piping Galvanized:***	
Item Description:	FS Liquid Fuel Tank	***Tank Single Wall St:***	
Facility Type:	FS LIQUID FUEL TANK	***Piping Underground:***	
Overfill Prot Type:	NULL	***Tank Underground:***	
Creation Date:	7/5/2009 1:20:56 AM	***Panam Related:***	NULL
Expired Date:		***Panam Venue Nm:***	NULL
Manufacturer:	NULL		
Source:	FS Liquid Fuel Tank		
Description:	UNDERGROUND TANK		
Serial No:	NULL		
Ulc Standard:	NULL		
Facility Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***FST***

Instance No:	10797990	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	8/28/1990	***Fuel Type3:***	NULL
Install Year:	1978	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	9092	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Fuel Storage Tank Details

Owner Account Name: CITY OF KANATA

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***FST***

Instance No:	10797960	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	8/28/1990	***Fuel Type3:***	NULL
Install Year:	1975	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	13638	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Fuel Storage Tank Details

Owner Account Name: CITY OF KANATA

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***FST***

Instance No:	10797978	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Diesel
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	8/28/1990	***Fuel Type3:***	NULL
Install Year:	1975	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	13638	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Fuel Storage Tank Details

Owner Account Name: CITY OF KANATA

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***FST***

Instance No:	10798026	***Manufacturer:***	
Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Gasoline
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	12/27/1990	***Fuel Type3:***	NULL
Install Year:	1991	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	25000	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Fuel Storage Tank Details

Owner Account Name: CITY OF KANATA

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA K2L 2N3 ON CA ON

Database: ***FST***

Instance No:	10798008	***Manufacturer:***	

Status:		***Serial No:***	
Cont Name:		***Ulc Standard:***	
Instance Type:		***Quantity:***	
Item:	FS LIQUID FUEL TANK	***Unit of Measure:***	
Item Description:	FS Liquid Fuel Tank	***Fuel Type:***	Diesel
Tank Type:	Liquid Fuel Single Wall UST	***Fuel Type2:***	NULL
Install Date:	12/27/1990	***Fuel Type3:***	NULL
Install Year:	1991	***Piping Steel:***	
Years in Service:		***Piping Galvanized:***	
Model:	NULL	***Tanks Single Wall St:***	
Description:		***Piping Underground:***	
Capacity:	25000	***Num Underground:***	
Tank Material:	Steel	***Panam Related:***	
Corrosion Protect:		***Panam Venue:***	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	KLONDIKE RD KANATA K2L 2N3 ON CA		

Fuel Storage Tank Details

Owner Account Name: CITY OF KANATA

Site: ***Database:*** ***LIMO***

Lot 10 Concession 3 Ottawa ON

ECA/Instrument No:	X9015	***Natural Attenuation:***	
Oper Status 2016:	Historic	***Liners:***	
C of A Issue Date:		***Cover Material:***	
C of A Issued to:		***Leachate Off-Site:***	
Lndfl Gas Mgmt (P):		***Leachate On Site:***	
Lndfl Gas Mgmt (F):		***Req Coll Lndfll Gas:***	
Lndfl Gas Mgmt (E):		***Lndfll Gas Coll:***	
Lndfl Gas Mgmt Sys:		***Total Waste Rec:***	
Landfill Gas Mntr:		***TWR Methodology:***	
Leachate Coll Sys:		***TWR Unit:***	
ERC Est Vol (m3):		***Tot Aprv Cap Unit:***	
ERC Volume Unit:		***Financial Assurance:***	
ERC Dt Last Det:		***Last Report Year:***	
Landfill Type:		***MOE Region:***	
Source File Type:	Historic and Closed Landfills	***MOE District:***	
Fill Rate:		***Site County:***	
Fill Rate Unit:		***Lot:***	
Tot Fill Area (ha):		***Concession:***	
Tot Site Area (ha):		***Latitude:***	
Footprint:		***Longitude:***	
Tot Apprv Cap (m3):		***Easting:***	
Contam Atten Zone:		***Northing:***	
Grndwtr Mntr:		***UTM Zone:***	
Surf Wtr Mntr:		***Data Source:***	
Air Emis Monitor:			
Approved Waste Type:			
Client Site Name:			
ERC Methodology:			
Site Name:			
Site Location Details:	Lot 10 Concession 3 Ottawa		
Service Area:			
Page URL:			

Site: ***CITY OF KANATA*** ***Database:*** ***PRT***

KLONDIKE RD KANATA ON

Location ID:	6728
Type:	retail

Expiry Date:
Capacity (L): 22730
Licence #: 0001052484

Site: ***CITY OF KANATA***
KLONDIKE RD KANATA ON

Database: ***PRT***

Location ID: 6728
Type: private
Expiry Date:
Capacity (L): 36368.00
Licence #: 0001031141

Site: ***Minto Communities Inc.***
ON

Database: ***PTTW***

EBR Registry No: 011-4898
Ministry Ref No: 3046-8MLKW5
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 17, 2014
Proposal Date: November 04, 2011
Year: 2011
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Mahogany Community Development Address: Lot: Part of Lots 4 and 5, Concession: A (Broken Front), Ottawa, City District Office: Ottawa GeoReference: Map Datum: NAD83, Zone: 18, Accuracy Estimate: 1-10 metres eg. Good Quality GPS, UTM Easting: 446650, UTM Northing: 5007555, , LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude: CITY OF OTTAWA

Site: ***Minto Communities Inc.***
ON

Database: ***PTTW***

EBR Registry No: 012-9800
Ministry Ref No: 5771-AJEJDR
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 06, 2017
Proposal Date: February 13, 2017
Year: 2017
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Minto Communities Inc.
Site Address:
Location Other:
Proponent Name:
Proponent Address: 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6, Minto Communities Inc., 180 Kent Street , Suite 200, Ottawa Ontario, Canada K1P 0B6
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Avalon West Community Address: Lot: 3 & Part of Lot 4, Concession: 11, Geographic Township: CUMBERLAND, Ottawa, City District Office: Ottawa GeoReference: Zone: 18, UTM Easting: 461611, UTM Northing: 5032496, UTM Location Description: S1- Lot 3 Concession 11, Site #: 5712-AJEJLA CITY OF OTTAWA

Site: ***Esso Petroleum Canada, A Division of Imperial Oil Limited***
Nepean Ottawa ON

Database: ***SPL***

Ref No:	0874-78WNRU	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Tank Truck
Incident Event:		***Agency Involved:***	
Contaminant Code:	13	***Nearest Watercourse:***	
Contaminant Name:	DIESEL FUEL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Ottawa
Nature of Impact:	soil contamiination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	11/13/2007	***Site Map Datum:***	
Dt Document Closed:	11/16/2007	***SAC Action Class:***	
Incident Reason:	Equipment Failure	***Source Type:***	
Site Name:	1961 Merivale Rd<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Errentom Tanklines - 8L diesel to grd		
Contaminant Qty:	8 L		

Site: ***ONTARIO HYDRO***
SOUTH MARCH TRANSFORMER STATION, MARCH ROAD TRANSFORMER KANATA CITY ON

Database: ***SPL***

Ref No:	128700	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	6/26/1996	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	COOLING SYSTEM LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	CONFIRMED	***Site Municipality:***	20103
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	EPS
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/3/1996	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OTHER	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	ONTARIO HYDRO: 250 ML OF PCB OIL (200 PPM) TO SOILCONTAINED AND CLEANED UP.		
Contaminant Qty:			

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

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

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2018

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: Jul 31, 2020

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-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -Dec 2020

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

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Mar 31, 2021

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

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: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Mar 31, 2021

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Mar 31, 2021

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Mar 31, 2021

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Jan 31, 2021

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2020

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: Jul 31, 2020

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-Jan 2021

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jan 31, 2021

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 2018

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: Jul 31, 2020

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: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Dec 2020

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Mar 31, 2021

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-Mar 31, 2021

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: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Mar 31, 2021

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Mar 2021

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-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available 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-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

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: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Mar 31, 2021

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: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX E

TSSA Search

Katherine Rispoli

From: Public Information Services <publicinformationservices@tssa.org>
Sent: April-02-18 10:22 AM
To: Katherine Rispoli
Subject: No Record Found (Fuel Storage Tanks Only)

Hello Katherine. Thank you for your request for confirmation of public information.

We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Gaya

From: Katherine Rispoli <katherine.rispoli@gemtec.ca>
Sent: February 28, 2018 12:49 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: 64153.85 - Storage tanks and/or incidents search

Good afternoon,

I'd like to request any information on storage tanks and/or incidents for the following addresses, located in Ottawa, ON.

- 788, 806, 812, 830, 886, March Road;
- 1032, 1045, 1055, 1056, 1078, 1100 Klondike Road

Thank you and have a good day,

Katherine

Right-click here to download pictures. To help protect your privacy, Outlook prevented automatic download of this picture from the Internet.
GEMTEC

Katherine Rispoli, M.A.Sc., P.Eng., ing.
Environmental Engineer
Ottawa, ON
tel: 613.836.1422 x261 / toll-free: 1.877.243.6832
mobile: 613.229.3175 / fax: 613.836.9731

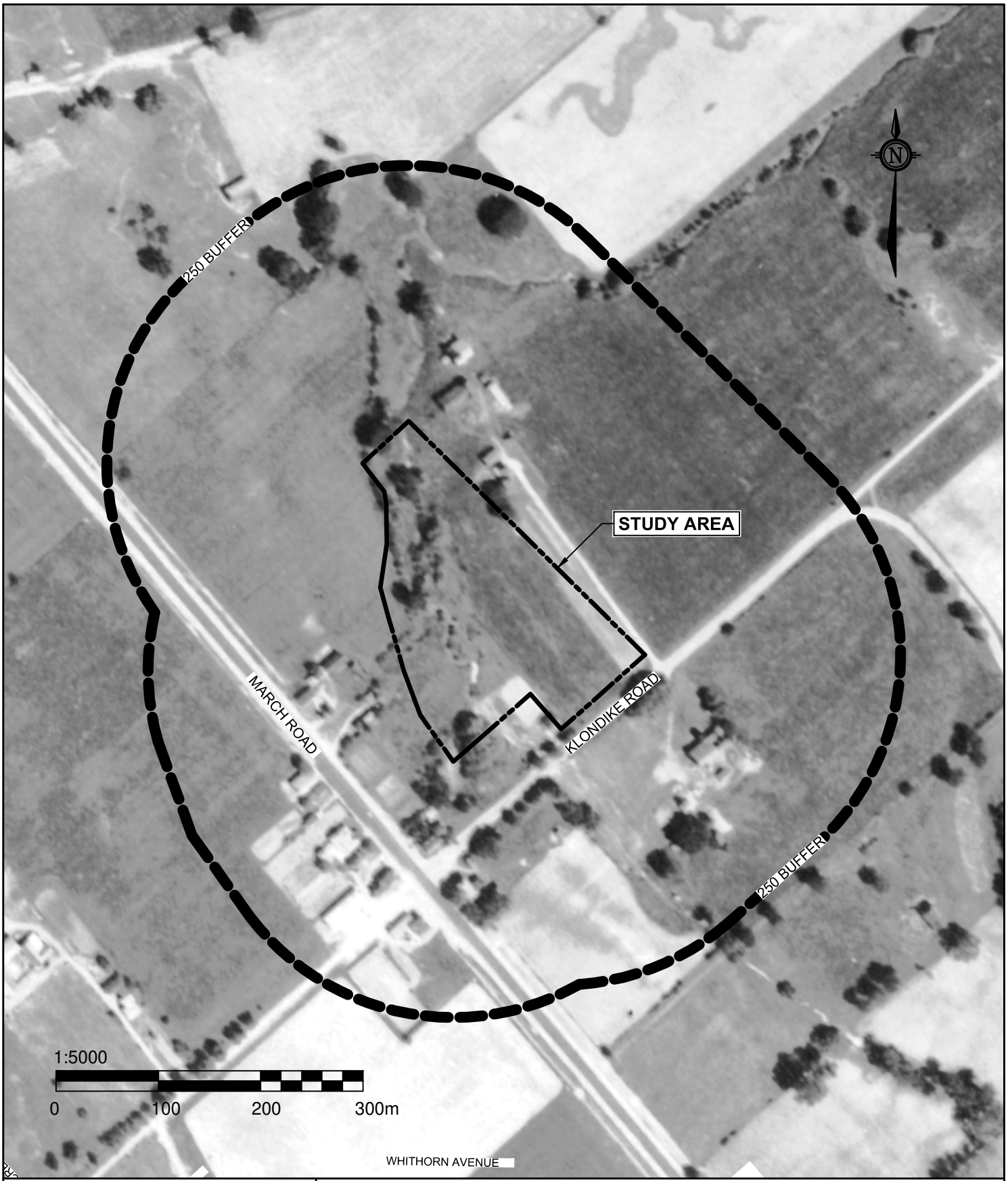
APPENDIX F

Aerial Photographs

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

AERIAL PHOTOGRAPH - 1934

Project	Project No.	
PHASE ONE ESA 1055 KLONDIKE ROAD OTTAWA, ONTARIO	64153.85	**FIGURE E1**



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

AERIAL PHOTOGRAPH - 1952

Project	Project No.	
PHASE ONE ESA 1055 KLONDIKE ROAD OTTAWA, ONTARIO	64153.85	**FIGURE E2**

APPENDIX G

City Directory

ENVIRONMENTAL RISK INFORMATION SERVICE

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

City Directory Information Source
Vernon's Ottawa and Area, Ontario, City Directory

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 2011	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	
1032 Klondike Road	-Ruiter Construction Ltd -Ottawa-Carleton District School Board -Childrens Village of Ottawa Carleton
1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Margan's Grant Montessori -The Greenwoods Academy

1078 Klondike Road	-Kanata Fellowship Baptist Church
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 2005/06	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Single Tenant Residential

1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Kanata Fellowship Baptist Church
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 2000/01	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed

1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1995/96	
Site Listing:	-Single Tenant Residential
Adjacent Properties:	

1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-March House Restaurant
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1992	
Site Listing:	-Single Tenant Residential

Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Single Tenant Residential
1056 Klondike Road	-Single Tenant Residential
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-March House Restaurant
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Single Tenant Residential

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1984	

Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario

Year: 1979	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	

Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1974	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1969	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed
830 March Road	-Address Not Listed

886 March Road	-Address Not Listed

PROJECT NUMBER: 20180212154	
Site Address:	1055 Klondike Road, Ottawa, Ontario
Year: 1964	
Site Listing:	-Address Not Listed
Adjacent Properties:	
1032 Klondike Road	-Address Not Listed
1045 Klondike Road	-Address Not Listed
1056 Klondike Road	-Address Not Listed
1078 Klondike Road	-Address Not Listed
1100 Klondike Road	-Address Not Listed
788 March Road	-Address Not Listed
806 March Road	-Address Not Listed
812 March Road	-Address Not Listed

830 March Road	-Address Not Listed
886 March Road	-Address Not Listed

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

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

APPENDIX H

HLUI Response Letter

File Number: D06-03-17-0165

May 23, 2018

Katherine Rispoli
GEMTEC
32 Steacie Drive
Ottawa, ON
K2K 2A9

Sent via email [Katherine.rispoli@gemtec.ca]

Dear Ms. Rispoli

Re: Information Request
1055 Klondike Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation

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

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

Search of Historical Land Use Inventory

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

A search of the HLUI database revealed the following information:

- There are no activities associated with the Subject Property.

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

- There is one (1) activity associated with properties located within 50m of the Subject Property: Activity Numbers 4572.

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

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

The Ontario Land Registry Office

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

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

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

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

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

If you have any further questions or comments, please contact Colette Gorni at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,

Colette Gorni

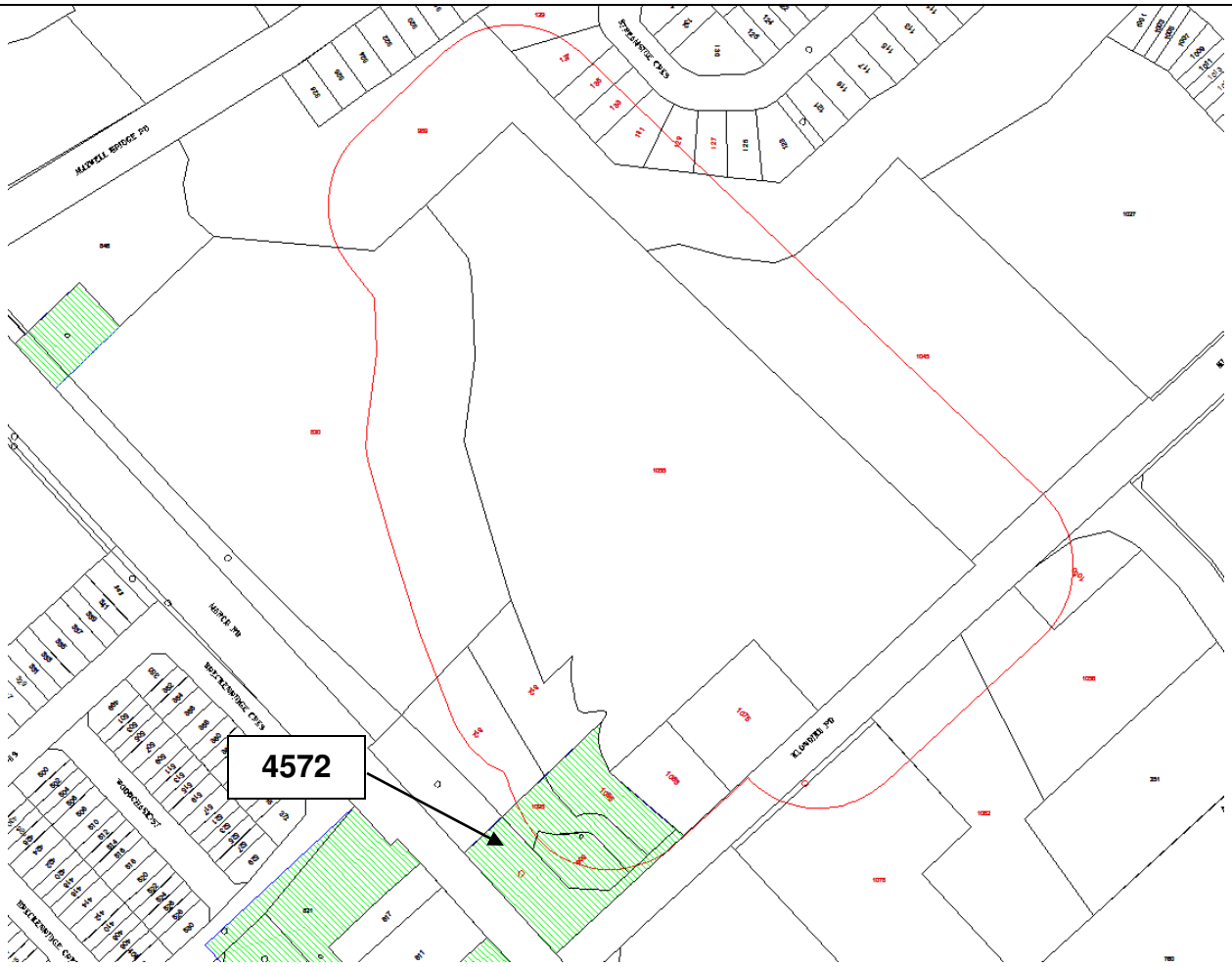
Per:

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

MB/ CG

Attach: 2

cc: File no. D06-03-17-0165



Scale 1: n/a

1055 Klondike Road
Ottawa, ON
File # D06-03-17-0165
Colette Gorni

Ottawa

Overview

ID# = Activity Identification Number

= Subject Site

CITY OF OTTAWA

HLUI ID: __679GMF

AREA (Square Metres): 6074.155

Report: RPTC_OT_DEV0122

Run On: 23 May 2018 at: 09:37:25

Study Year	PIN	Multi-NAIC	Multiple Activities
1998	045270090	Y	N

Activity ID: 13896 **Multiple PINS:** N

PIN Certainty: 1 **Previous Activity ID(s) :** 4572

Related PINS: 045260215

Name: WARD'S GARAGE

Address: 1111 KLONDIKE ROAD, KANATA

Facility Type: Motor Vehicles, Wholesale

Comments 1:

Comments 2:

Generator Number:

Storage Tanks:

HL References 1: SC98

HL References 2:

HL References 3: 2001 Employment Survey

NAICS	SIC
811111	0
811112	635
811121	635
811119	635

Company Name	Year of Operation
WARD'S GARAGE	c. 2001
Burk's Garage Inc	c. 1999
Ward's Garage	c. 1998

APPENDIX I

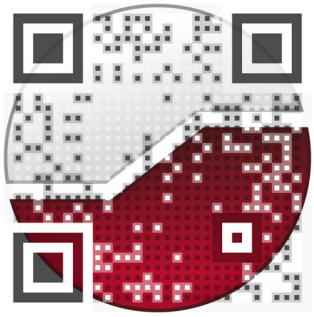
Site Photographs

Photograph I1: Unknown fill within the subject site. The unknown fill was observed at the end of the gravel path in the centre of the subject site. The origin of the fill was determined during the interview with site representative Brian Saumure.

Photograph I2: Remnant burnt building materials and debris from the fire in July 2018 observed towards the centre of the subject site approximately 10 meters northeast from building footprint of the historical residential structure.

Photograph I3: Pole and pad mounted transformers identified throughout the study area.

experience • knowledge • integrity



civil	civil
geotechnical	géotechnique
environmental	environnementale
field services	surveillance de chantier
materials testing	service de laboratoire des matériaux

expérience • connaissance • intégrité