ECOH
Environmental Consulting
Occupational Health

PRIVATE & CONFIDENTIAL

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

Ottawa Carleton Detention Centre
2244 Innes Road
Ottawa, Ontario

Prepared for:

Colliers Project Leaders
(on behalf of Infrastructure Ontario)
1071 Wellington Rd South, Suite 202
London, Ontario
N6E 1W4

ECOH PROJECT NO.: 16868

Prepared by:

ECOH Management Inc.
75 Courtneypark Drive West, Unit 1
Mississauga, Ontario
L5W 0E3

February 2017

"area of natural significance" means any of the following:

1. An area reserved or set apart as a provincial park or conservation reserve under the *Provincial Parks and Conservation Reserves Act, 2006*.
2. An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.
3. A wetland identified by the Ministry of Natural Resources as having provincial significance.
4. An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant.
5. An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the *Niagara Escarpment Planning and Development Act*.
6. An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species.
7. An area which is habitat of a species that is classified under section 7 of the *Endangered Species Act, 2007* as a threatened or endangered species.
8. Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the *Oak Ridges Moraine Conservation Act, 2001* applies.
9. An area set apart as a wilderness area under the *Wilderness Areas Act*;

"areas of potential environmental concern" means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,

(a) identification of past or present uses on, in or under the phase one property, and

(b) identification of potentially contaminating activity

"contaminant of potential concern" includes a contaminant identified as potentially present on, in or under a phase one property in a phase one environmental site assessment report

"enhanced investigation property" means a property that is being used or has been used, in whole or in part, in a manner described in clause 32 (1) (b) to which subsection 32 (2) does not apply

Clause 32 (1)(b): if the property is used, or has ever been used, in whole or in part for an industrial use or for any of the following commercial uses,

(i) as a garage,

(ii) as a bulk liquid dispensing facility, including a gasoline outlet, or

(iii) for the operation of dry cleaning equipment. O. Reg. 511/09, s. 14.

Subsection 32(2): Clause (1) (b) does not apply if,

(a) the property is currently used for an agricultural or other use, or a community use, an institutional use, a parkland use or a residential use; and

(b) since the latest date on which the property stopped being used for any of the types of property uses described in clause (1) (b), a record of site condition has been filed in the Registry under section 168.4 of the Act for the use described in clause (a). O. Reg. 511/09, s. 14

"first developed use" means the earlier of,

(a) the first use of a phase one property in or after 1875 that resulted in the development of a building or structure on the property, and

(b) the first potentially contaminating use or activity on the phase one property;

"phase one property" means the property that is the subject of a phase one environmental site assessment

"phase one study area" means the area that includes a phase one property, any other property that is located, wholly or partly, within 250 metres from the nearest point on a boundary of the phase one property and any property that the qualified person determines should be included as a part of the phase one study area under clause 3 (1) (a) of Schedule D

"potentially contaminating activity" means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

"water body" means a permanent stream, river or similar watercourse or a pond or lake, but does not include a pond constructed on the property for the purpose of controlling surface water drainage

FIGURES

APPENDICES

1 EXECUTIVE SUMMARY

ECOH Management Inc. (ECOH) was retained by Colliers Project Leaders (Colliers) on behalf of Infrastructure Ontario (IO) to undertake a Phase One Environmental Site Assessment (ESA) at the property located at 2244 Innes Road, Ottawa, Ontario (herein referred to as the Phase One Property).

The Phase One Property is currently occupied by the Ministry of Community and Safety and Correctional Services (MCSCS) – Ottawa Carleton Detention Centre (OCDC). It is understood that IO requires a Phase One ESA of the Phase One Property for internal due diligence purposes. Specifically, IO is assessing the viability of the Phase One Property as a potential location for a Regional Intermittent Centre (RIC), as such, IO requested a Phase One ESA to identify potential environmental concerns and liabilities at the Phase One Property. As per IO's request, the Phase One ESA was conducted in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended) and in general accordance with the Canadian Standard Association (CSA) Z768-01 Standard.

The objective of the Phase One ESA was to identify potentially contaminating activities (PCAs) on the Phase One Property and within the Phase One Study Area (defined as the Phase One Property plus lands within 250 metres of the Property boundaries) which may have contributed to an area of potential environmental concern (APEC) as a result of potential soil and/or groundwater contamination. The Phase One ESA objectives were achieved through a review of historical site information (records review), a site reconnaissance, and an interview with a person familiar with the Phase One Property.

The Phase One Property is located approximately 400 metres (m) east of the intersection of Innes Road and Anderson Road in the City of Ottawa, Ontario. The Property is approximately 61 hectares in area and is occupied by the OCDC building, which measures approximately 18,500 square meters (m^2) in area. The exterior portion of the Phase One Property consists of landscaped areas, parking lots, driveways and walkways. The Property is bounded by Innes Road to the north (followed by agricultural properties), institutional properties to the east and west, and parkland property uses to the south.

The Phase One Property was historically occupied by agricultural lands, until the MCSCS established occupancy *circa* the 1960s. The OCDC building was initially constructed in 1971 and a major addition of two (2) additional blocks occurred in 2001.

Based on information obtained from the records review, site interview and the site reconnaissance, ECOH identified various PCAs on the Phase One Property and within the Phase One Study Area which have resulted in the following 10 APECs:

1. Paved and gravel areas due to the current and historic application of de-icing salt over the winter months.
2. Block B, Block D and below the shipping and receiving area between Blocks B and D due to the current use of three (3) ASTs within Block B and Block D, and the historic use of two (2) USTs below the shipping and receiving area.
3. Below the main entrance parking lot due to the current use of two (2) USTs.

4. The northwest portion of the Phase One Property (i.e. the former location of crops) due to the potential historic application of pesticides and herbicides.
5. The north storage container due to the storage of gasoline filled jerry cans.
6. The north storage container due to the storage of de-icing salt.
7. The area north of the storm water retention pond due to the current location of two (2) ASTs.
8. The storm water retention pond due to the potential for the collection of meltwater in spring containing elevated concentrations of sodium and chloride related to the de-icing salt applied on the Phase One Property over the winter months.
9. The maintenance garage bays due to the presence of bays and an interceptor trench and the potential for vehicle or equipment maintenance, refueling and/or wash-downs to have been historically conducted.
10. The west side of the Phase One Property due to the potentially contaminated adjacent property and the potential for contaminant migration onto the Phase One Property.

As a result of the identified APECs, and to remove any uncertainty with the potential for soil and groundwater impacts at the Site, ECOH recommended that a Phase Two ESA be undertaken at the Phase One Property.

2 INTRODUCTION

ECOH Management Inc. (ECOH) was retained by Colliers Project leaders and Infrastructure Ontario (IO) to undertake a Phase One Environmental Site Assessment (ESA) for the Ottawa-Carleton Detention Centre (OCDC), located at 2244 Innes Road Ottawa, Ontario (herein referred to as the Phase One Property). The geographical location of the Site is shown on Figure 1.

It is understood that IO requires a Phase One ESA of the Phase One Property for internal due diligence. Specifically, IO is assessing the viability of the Phase One Property as a potential location for a Regional Intermittent Centre (RIC), as such IO requires a Phase One ESA to identify potential environmental concerns and liabilities at the Phase One Property. As per IO's request, the Phase One ESA was conducted in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended) and in general accordance with the Canadian Standard Association (CSA) Z768-01 Standard.

2.1 Site Information

The Phase One Property is approximately 61 hectares in area and is occupied by the OCDC. The Site is located approximately 400 metres (m) east of the Innes Road and Anderson Road intersection, in the City of Ottawa, Ontario. The Phase One Property is bounded by Innes Road to the north (followed by agricultural properties), institutional properties to the east and west, and parkland property uses to the south. The Phase One Property location and adjacent property uses are shown on Figure 1 and Figure 2, respectively. Further Phase One Property information is provided in the table below.

Table 2.1: Site Information

Details	Description
Municipal Address	2244 Innes Road, Ottawa, Ontario
Property Identification Number (s) (PIN)	04757−0552 (LT)
Legal Description	• PT LTS 16, 17 AND 18 CON 3OF GLOUCESTER, PTS 1 TO 17, 5R244 EXCEPT PTS 3, 4 & 5, 5R13863, PT 4, 5R14019, PTS 2, 3, 4, 6, 8 & 9, 5R14042 EXCEPT PARTS 3, 4, 5, 6 AND 7 PLAN 4R28729; S/T GL50956, N604213, N616415, N622934; CITY OF OTTAWA
Property Area	~ 61 hectares
Building(s)	Correctional facility building = approximately 18,500 square metres (m^2) Detached maintenance garage = 300 m^2

Based on PIN sheet information, the Phase One Property is currently owned by the National Capital Commission (NCC). The Phase One ESA was authorised by Ms. Ashley Howard, Project Manager, Colliers Project Leaders, on behalf of IO.

Ms. Howard's contact details are as follows:

Ashley Howard, PMP
Project Manager, OILC Business Unit
Colliers Project Leaders
1071 Wellington Road South, Suite 202
Phone: 226-927-6102
Email: Ashley.howard@colliersprojectleaders.com

3 SCOPE OF INVESTIGATION

3.1 Objective

The objective of the Phase One ESA was to identify Potentially Contaminating Activities (PCAs) on the Phase One Property and within the Phase One Study Area (discussed in Section 4.1.1) which may have contributed to an area of potential environmental concern (APEC) on the Phase One Property as a result of potential soil and/or groundwater contamination. The Phase One ESA objectives were achieved through a review of historical site information (records review), a site reconnaissance, and an interview with a person familiar with the Phase One Property.

For the purpose of this Phase One ESA, a PCA has been defined as a current or former activity within the study area which, because of its presence on-site, or its proximity to the Phase One Property, has the potential to cause an adverse environmental effect to the Phase One Property. An APEC is therefore a PCA located on the Phase One Property or the location within the Phase One Property where an off-site PCA is most likely to affect the Phase One Property. Each APEC may correspond to one (1) or more PCAs identified in Ontario Regulation (O. Reg.) 153/04 (as amended) – Schedule D, Table 2.

3.2 Methodology for the Phase One ESA

The Phase One ESA methodology was developed in general accordance with O. Reg. 153/04 (as amended) and in general accordance with the Canadian Standard Association ("CSA") Z768-01 Standard. The scope of work included the following:

- Contact and obtain all pertinent information [Freedom of Information (FOI) requests] from regulatory agencies, i.e. Ministry of Environment and Climate Change (MOECC) and the Technical Standards and Safety Authority (TSSA);
- Review readily available information such as property use records, street directories, and other pertinent site-specific information;
- Assess and comment on information obtained from soil maps, topographical maps, land use documents, utility records and archival information, as available;
- Conduct an ownership chain of title search for the Phase One Property;
- Complete a site reconnaissance and comment on any potential or actual environmental concerns connected with the Site and neighbouring properties;
- Conduct an interview with a person (or persons) familiar with existing and historical activities at the Phase One Property; and
- Prepare and submit a report summarizing historical activities and identified APECs.

It should be noted, that although this report has been prepared in general accordance with O. Reg. 153/04 (as amended), it is not intended to support the filing a Record of Site Condition under O. Reg. 153/04 (as amended).

4 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

The Phase One Study Area was defined in general accordance with O. Reg. 153/04 (as amended) and includes all properties located, wholly or partly, within 250 metres (m) from the nearest point on the Phase One Property boundaries. The Phase One Study Area is presented on Figure 2. Based on information gathered from the site reconnaissance and a review of available records, off-site PCAs were identified on properties located outside the Phase One Property boundaries and within the Phase One Study Area. As such, properties which were identified as having PCAs which could contribute to an APEC were included as part of this investigation.

The boundaries of the Phase One Property are shown on Figure 3 and have been established based on the zoning boundaries in the City of Ottawa's interactive map, geoOttawa[1] and a historic Site Plan issued in November 1969 (see Appendix G).

4.1.2 First Developed Use Determination

The first developed use determination was determined based on information provided within the historical documentation (See Section 4) and interview information (see Section 5). An aerial photograph from 1958 shows multiple structures (inferred farm structures) on the Phase One Property and crop land. Additionally, the interviewee indicated that the Phase One Property was used for agricultural purposes prior to the current residential land use[2]. Based on the above, it is concluded that the first developed use of the Phase One Property was agricultural from at least 1958.

4.1.3 Fire Insurance Maps

An Enviroscan report was completed by OPTA Information Intelligence (OPTA), the report summarizes information attained from a search for fire insurance plans of the Phase One Study Area undertaken by OPTA from within their in-house collection. No fire insurance information was provided in the Enviroscan Report.

4.1.4 Chain of Title

As part of this Phase One ESA, sufficient historical records were available for the purposes of determining first developed land use and the overall Phase One Property history; as such, a limited title search in the form of an Ontario Land Registration Information System Database search (i.e. PIN sheets) was completed. Based on information provided within the PIN sheets (see Appendix B), it was determined that Phase One

[1] http://maps.ottawa.ca/geoottawa/
[2] As defined by Ontario Regulation 153/04 (as amended) - Part I Definitions, Interpretation and Application

Property is included within a parcel of land described as 04757−0552 (LT). It should be noted that this parcel of land includes lands which are immediately adjacent to the Phase One Property; however, as per ECOH's scope of work and the Phase One ESA objective, the Phase One Property is only defined as the lands in which the OCDC facility is located on.

A summary of the PIN sheet information is provided in the table below.

Table 4.1.4: PIN Information

PIN Sheet	Legal Description	Property Owner
04757−0552 (LT)	PT LTS 16, 17 AND 18 CON 3OF GLOUCESTER, PTS 1 TO 17, 5R244 EXCEPT PTS 3, 4 & 5, 5R13863, PT 4, 5R14019, PTS 2, 3, 4, 6, 8 & 9, 5R14042 EXCEPT PARTS 3, 4, 5, 6 AND 7 PLAN 4R28729; S/T GL50956, N604213, N616415, N622934; CITY OF OTTAWA	National Capital Commission

4.1.5 City Directory Search

A city directory search for the Phase One Property and immediately adjacent properties was completed by EcoLog ERIS for the years 1987, 1992, 1996/1997, 2001/2002, 2006/2007, and 2011 (see Appendix D). City directory listings are based on voluntary responses from property owners and/or occupants. As such, a non-response or non-listing of an address is not an indication that the subject property was vacant or unoccupied at that time. It should be noted that the identification of PCAs for the surrounding properties through the city directories review is based solely on the company names, as the nature of operations is not always apparent from the directory listings.

4.1.5.1 Site Listings

A summary of the Phase One Property listings is presented in the following Table.

Table 4.1.5.1: Summary of City Directory Search – Phase One Property

Year	Address	Site Listing
1987	2244 Innes Road, Ottawa	Street not listed
1992		Address not listed
1996 - 1997		Address not listed
2001-2002		Ontario Realty Corporation PCL Contractors Canada Donald Servant Electric
2006-2007		Ottawa Carleton District School Board T&M Electrical OPSEU Union President MP Lundy Construction

Year	Address	Site Listing
2011		Correctional Facilities Institutions and Programs Ottawa Carleton District School Board

As shown in the table above, 2244 Innes Road, Ottawa, has been assigned to the Phase One Property since at least 2001/2002 and the Correctional Facilities Institutions and Programs (i.e. the Ottawa-Carleton Detention Centre) has been listing on site since 2011. Additionally, based on information provided within the city directory and from the Ottawa-Carleton District School Board (OCDSB) website[3], the OCDSB operates an education program with the Ottawa-Carleton Detention Centre which has been listed since 2006/2007.

4.1.5.2 Surrounding Property Listings

Based on city directory information for the surrounding properties, it is inferred that the Phase One Study Area has historically been occupied by institutional and residential land uses since at least the early 1990s. Based on a review of the surrounding property listings, no PCAs have been identified.

4.2 Environmental Reports

There were no previous environmental reports provided to ECOH for review. However, the following two (2) documents were reviewed as part of this Phase One ESA:

- Site Plan 8 Legend – Ottawa Regional Detention Centre, Province of Ontario, Department of Public Works, prepared by Flemming & Secord and Fraser & Macie, dated November, 1969; and
- Boiler Room and Mechanical Room Details – Ottawa Regional Detention Centre, Province of Ontario, Department of Public Works, prepared by Flemming & Secord and Fraser & Macie, dated November, 1969;

The findings of the above reports have been reviewed and are summarized below.

4.2.1 Site Plan & Legend (November, 1969)

The Site Plan & Legend is an architectural drawing of the Phase One property prior to the construction of the initial building. The drawing includes a plan view of buried sanitary, sewer, storm water, and gas lines as well as two (2) historic USTs and the associated lines, and a profile of the storm line which historically fed directly into Mud Creek. Key findings provided within the Site Plan 8 Legend are as follows:

- The south end of the property slopes down towards Mud Creek;

[3] http://www.ocdsb.ca/med/pub/Publications%20%20Updated/OCDSB%20Map%20and%20Info.pdf

- Sanitary and Sewer utility lines enter and exit the Site on the north side of Block B and the storm utility line runs from the north side of Black B and terminates within Mud Creek;
- The buried gas utility line runs along a portion of the north side of Block B, adjacent to the underground location of the generator room in the basement; and
- Two (2) USTs (diesel and gasoline) and the associated fill and vent pipes, were historically located outside below the shipping and receiving area (See Figure 5). The associated gasoline and diesel lines ran into the building east of the generator room.

4.2.2 Boiler Room and Mechanical Room Details (November, 1969)

The Boiler Room and Mechanical Room Details is an architectural drawing of the Phase One Property building prior to the construction of the initial building. The drawing includes a plan view of the boiler rooms and the mechanical rooms on the ground and basement floor of Block B, the generator room located on the ground floor of Block B, and a view of two (2) historic USTs. Key findings provided within Boiler Room and Mechanical Room Details are as follows:

- Two (2) USTs (diesel and fuel oil) are buried on a concrete pad with fill, with oil suction and return lines within a cement asbestos conduit and fill, vent and gauge lines;
- A manhole is associated with each UST

4.2.3 Environmental Reports – Key Findings

Based a review of the above historical reports, the following PCAs were identified.

- One (1) AST was historically located in the Generator Room on the ground floor of Block B. The operation of an AST at the Site is classified as PCA item 28 “Gasoline and Associated Products Storage in Fixed Tanks”.
- Two (2) USTs (diesel and gasoline) and the associated fill and vent pipes, were historically located outside in the courtyard adjacent to the east of the generator room (See Figure 5). The associated gasoline and diesel lines ran into the building east of the generator room. The operation of USTs at the Site is classified as PCA item 28 “Gasoline and Associated Products Storage in Fixed Tanks”.

The identified PCAs and associated APECs are further discussed in Section 7.2.

4.3 Environmental Source Information

4.3.1 EcoLog ERIS Database Search

ECOH requested an EcoLog ERIS database search report for the Phase One Property (including a 300m search radius) on July 13, 2016. The environmental databases searched by EcoLog ERIS include those listed in O. Reg.153/04 (as amended), Schedule D, subsection 3 (2), paragraph 7. This report is provided in Appendix C. A total of 100 database listings were identified within the EcoLog ERIS database report. Each listing was reviewed by ECOH to identify potential environmental issues and PCAs which could contribute

to environmental impacts to the Phase One Property. A summary of on-site and off-site PCAs which could contribute to environmental impacts to the Site is provided in Table 4.3.1 (see below).

It should be noted that the borehole records and water well information databases searched by EcoLog ERIS are not summarized within the key findings summary table; however, pertinent geological and hydrogeological information from these two (2) databases are incorporated into this report under the applicable sections.

Lastly, all unplottable listings were reviewed; however, given their distances from the Phase One Property or their hydraulic gradient positioning to the Phase One Property (i.e. not upgradient) these listings were not considered to pose environmental risks. As such, these details are not listed in the following table.

Table 4.3.1: Key Findings from EcoLog ERIS Report

Property Details & Distance from Site	Database Listing	Key Findings	Identified PCAs As defined by O. Reg. 153/04 (as amended) Schedule D Table 2

2244 Innes Road, Ottawa (the Phase One Property)	• One (1) Certificate of Approval Listing
	• Two (2) Commercial Fuel Oil Tanks Listing
	• 14 Ontario Regulation 347 Waste Generator Listing
	• One (1) Ontario Spills Listing
		• Two (2) fiberglass fuel oil tanks were present in 2001
		• Generator of the following wastes:
		  ◦ Petroleum products (e.g. waste oils & light fuels); and
		  ◦ Solvents (e.g. aliphatic & halogenated); and
		  ◦ PCB waste; and
		  ◦ Pigments, coatings, and paint residue; and
		  ◦ Heavy metals and inorganics
			• Item 28 – Gasoline and Associated Products Storage in Fixed Tanks
			
			No PCAs were identified as result of the Ontario Regulation 347 Waste Generator database listings, based on the site reconnaissance observations (i.e. PCB containing materials were not observed on the Phase One Property). In addition, no information was provided by the interviewee with respect to PCB containing materials and other wastes. .

2224 Innes Road, Ottawa (Innes Road, east of Anderson and adjacent to the west of the Phase One Property)	• One (1) Contaminated Site on Federal Land	• National Capital Commission property, Site ID 00023370, was assessed with an initial testing program listed between June 2000 – October 2015	N/A

As shown in Table 4.3.1, one (1) on-site PCA has been identified, additionally, due to the presence of a potentially contaminated site located immediately west of the Phase One Property (i.e. 2224 Innes Road), an APEC has been identified along the Phase One Property west boundary. The PCA and APEC are further discussed in Section 7.2 and Section 7.3, respectively.

4.3.2 Freedom of Information (FOI) and Regulatory Information Requests

4.3.2.1 Ontario Ministry of the Environment and Climate Change – FOI Request

The FOI office of the MOECC was contacted on August 16, 2016 to determine if the MOECC has any files pertaining to the Phase One Property and adjacent properties. At the time of preparing this report, a response from the MOECC had not been received by ECOH. Upon receipt of any records which represent a potential issue of environmental concern, a copy of the records will be included within the final report or under separate letter.

4.3.2.2 Technical Standards and Safety Authority (TSSA) Records Search – Fuel Safety Division

The TSSA was contacted on August 16, 2016 to determine if any registered tanks were present at the Phase One Property. The TSSA e-mail response received on August 17, 2016 stated that there are two (2) active fuel oil tanks present on the Phase One Property. A copy of the TSSA response letter has been appended to this report in Appendix E.

Based on the above, the Phase One Property contains two (2) fuel oil storage tanks. The use of fuel oil storage tanks is classified as PCA item 28 “gasoline and associated products storage in fixed tanks”. The identified PCA are further discussed in Section 7.2 and presented on Figure 6.

4.4 Physical Setting Sources

4.4.1 Aerial Photographs

ECOH reviewed aerial photographs for the Phase One Property and surrounding areas obtained from EcoLog ERIS. In addition, a 2016 satellite image of the Phase One Study Area was obtained from ©Google. The Aerial Photographs are included in Appendix F. A description of each of the reviewed aerial photographs are presented in the following Table 4.4.1.

Table 4.4.1: Summary of Aerial Photograph Findings

Date of Photo	Scale of Photo	Findings
1958	1:20,000	The Phase One Property is utilized for agricultural purposes. There are two (2) structures located on the west side of the property, there is vegetation on the north side of the property and crop land on the south portion of the property. The surrounding properties to the east and west within the Phase One Study Area appear to be utilized for agricultural purposes with no noticeable structures, with the exception of a row of residential houses located along Innes road approximately 200 m east of the Site. Mud Creek is located approximately 50 metres south of the Phase One Property followed by properties which appear to be utilized for agricultural purposes. Innes Road

		is adjacent to the north of the Phase One Property, it is a two-lane road which runs east to the current day Pepin Court.
1976	1:15,000	There is a structure on the Phase One Property that resembles the current day structure of Block A, Block C, and Block D. Additionally there is a pond located west of the building within the driveway loop. A portion of the north side of the Site remains a tree covered area however the rest of the property appears grass covered, gravel covered, or paved. The surrounding properties to the north, east and south including the row of residential houses to the east, within the Phase One Study Area appears unchanged since 1958. There is a structure on the property adjacent to the west, the structure resembles that of the current day New Hope Church, the property is inferred to be utilized for institutional purposes.
1989	1:15,000	The Phase Study Property appears unchanged from 1976. The Phase One Study Area appears unchanged from 1976.
1999	1:15,000	The Phase One Property appears unchanged from 1989. An additional structure and parking lot developed on the institutional property adjacent to the west. The additional structure is located east of the New Hope Church and resembles that of the current day Lifecentre. The parking lot was developed between the institutional structures. Additionally, Innes Road was developed into a four-lane highway and curves south, east of the Phase One Property, the row of residential houses located approximately 200 m east of the Phase One Property are on the current day Pepin Court.
2009	1:7,000	The Phase One Property now includes Blocks D and E, extensions to the original building. No other changes appear to have been made since 1999 however observation of details are limited due to the resolution of the aerial photograph. The surrounding properties to the east, north and south appear to remain unchanged since 1999. The property immediately adjacent to the east appears to have a service road and a structure resembling that of the current day structure and cellular tower. The other properties to the east appear to remain unchanged since 1999, however, observation of details are limited due to the resolution of the aerial photograph.
2016	1:12,000	The Site appears unchanged from 2009 with the exception of the pond located within a driveway loop in the northwest portion of the Site, it appears that the pond has been grown over. The Phase One Study Area appears unchanged from 2009 with the exception of additional agricultural land north of the Phase One Site.

Based on the above, the Phase One Property and surrounding properties appear to be utilized for agriculture or appear to have transitioned from agricultural land uses to residential and institutional land uses. Based on a review of the aerial photographs, the following PCAs were identified:

- The Phase One Property and surrounding properties were formerly utilized for agricultural purposes. The former agricultural activities at the Phase One Property and surrounding properties is classified as PCA 40 "Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications".

The identified PCAs are further discussed in Section 7.2 and presented on Figure 6.

4.4.2 Topography, Hydrology, Geology

4.4.2.1 Topography

A topographic map of the area, provided by EcoLog ERIS, is provided in Appendix G. This map shows that the topography of the Phase One Study Area is sloping from north [approximately 70 metres above mean seal level (m amsl)] to the south towards Mud Creek (approximately 68 m amsl). With respect to the Phase One Property, the topography is generally flat with a slight slope from north (approximately 70 m amsl) to south towards Mud Creek (approximately 69 m amsl).

4.4.2.2 Geology

Table 4.4.2.2: Surficial Soil and Bedrock Information

Source	Description
MNDM[4] Map No. 2556 Southern Sheet, Quaternary Geology of Ontario	Glaciomarine and marine deposits – silt and clay; basin and quiet water deposits
MNDM Map No. 2544 Bedrock Geology of Southern Ontario Survey - Southern Sheet	Upper Ordovician - Georgian Bay Formation consisting of shale, limestone, dolostone and siltstone

4.4.2.3 Hydrology

Surface water run-off is inferred to flow south, from Innes Road, onto the Phase One Property based on the surrounding topography and surface water drainage features on the Phase One Property. The Phase One Property is equipped with stormwater catch basins on the north asphalt covered entrance way and courtyard. In addition, there is a stormwater retention pond equipped with catch basins along the south portion of the property (See Figure 3). Based on the Site Plan & Legend (discussed further in Section 4.2.1)

[4] Ministry of Natural Development and Mines

the stormwater catch basins and several manholes were historically connected to a stormwater sewer line that runs below ground surface from the north part of the property towards Mud Creek with an outlet into Mud Creek. Based on interviewee responses, a new storm line leading to a retention pond, located south of the OCDC building, was developed, likely during the construction of Block D and Block E. Generally, surface water run-off on the Phase One Property flows into the catchbasins for discharge into the retention pond, however, surface water on the landscaped areas of the Phase One Property is expected to infiltrate directly into the ground. It is not known if the previously utilized storm line was decommissioned.

Based on a review of the *Characterization of Ottawa's Watersheds: An Environmental Foundation Document with Supporting Information Base*, the Phase One Property is located within the Green Creek Watershed. The underlying surficial geology within the Green Creek Watershed generally comprises clay/silt till and the bedrock within the Green Creek Watershed generally comprises shale, with minor dolostone and limestone. The clay/silt till is inferred to serve as a shallow hydrostratigraphic aquitard unit. Groundwater flow within this unit is inferred to be horizontal and unconfined and influenced by the surface topography.

Furthermore, based on waterwell information provided within the EcoLog ERIS report, a shallow groundwater horizon is inferred to reside beneath the Site within the silt/clay stratum at a depth of approximately 4.5 mbgs.

Given the topography and the location of the nearby waterbody (Mud Creek), the groundwater is inferred to flow in a southerly direction towards Mud Creek which flows in a north-westerly direction and drains into Greens Creek.

4.4.3 Fill Materials

Fill material can typically be identified by the observation of an unusual surface formation or change in the site topography. In addition, fill material may exist at a site as a result of historic demolition activities and infilling excavations with construction debris, solid waste, and/or industrial waste. Based on the historic records review and site reconnaissance, no areas of above ground disturbed fill or fill materials were observed at the Phase One Property.

4.4.4 Water Bodies and Areas of Natural Significance

Based on The National Topographic System Map, provided in Appendix G, the nearest waterbody is located approximately 50 m south of the Phase One Property, Mud Creek.

Based on the Mud Creek (GCk) 2012 Summary Report, produced by City Stream Watch, a partnership program between the Rideau Valley Conservation Authority (RVCA) and other government organizations, Mud Creek is one of five major tributaries of Green's Creek. The headland of Mud Creek is in Mer Bleue Wetland, it runs through a National Capital Commission property, the Phase One Site, and empties into Green's Creek north of Innes Road. Green's Creek is a tributary of the Ottawa River.

Based on a review of the area of natural and scientific interest (ANSI) report provided by EcoLog ERIS (see Appendix G) one (1) provincially significant ANSI was identified in the vicinity of the Phase One Property, Green's Creek Conservation Area.

Additionally, ECOH conducted a search on the Ministry of Natural Resources and Forestry (MNRF) natural heritage map web application[5], for ANSIs as defined by O. Reg. 153/04 (as amended). The search results indicated that the Phase One Property and Phase One Study Area are located within a Green's Creek Conservation Area, which is a Provincially Significant Life Science ANSI. The search identified the following species of concern:

- Platanthera grandiflora (Large Purple Fringed-orchid)
- Gynocarpium robertianum (Limestone Oak Fern)
- Aeshna verticalis (Green-striped Darner)
- Carex typhina (Cattail Sedge)
- Neottia befolia (Southern Twayblade)
- Plagiothercium latebricola (Lurking Leskea)
- Somatochlora forcipata (Forcipate Emerald)
- Arigomphus cornutus (Horned Clubtail)
- Cordukegaster obliqua (Arrowhead Spiketail)
- Utricularia geminiscapa (Twin-stemmed Bladderwort)
- Pterospora andromedea (Woodland Pinedrops)
- Elatine Americana (American Waterwort)
- Carex folliculate (Norther Long Sedge)
- Juncus greenei (Greene's Rush)

The Phase One Property is developed, however, there are portions of the Phase One Property that is greenspace (trees and shrubbery) so there is a potential for the Phase One Property to be a habitat for the above noted species. It should be noted that only a desktop study of the Phase One Study Area was conducted for the purposes of this report. As such, although there is a potential for the above noted species to be present within the Phase One Study Area, the on-site presence of the above noted species cannot be confirmed.

[5] https://www.ontario.ca/environment-and-energy/make-natural-heritage-area-map

4.4.5 Well Records

The Water Well Information System (WWIS) provided by EcoLog ERIS, indicated that there are a total of 40 water well listings within the Phase One Study Area. The water well information was reviewed, no information of potentially existing water supply wells (i.e. domestic, industrial or irrigation) located within the Phase One Study Area was provided. It should be noted that well listings associated with geotechnical/environmental investigations have been reviewed for relevant geological information.

4.5 Phase One Property Operating Records

With respect to O. Reg. 153/04 (as amended), the Phase One Property is not considered an enhanced investigation property, as it has not been used, in whole or in part, for one of the uses described in clause 32 (1) (b) of O. Reg.153/04 (as amended). As such, site operating records for the Phase One Property were not reviewed at the time of preparing this Phase One ESA.

5 INTERVIEWS

A Phase One ESA interview was conducted on-site on August 5, 2016 from 13:30 to 17:00. The interview was conducted by Ms. Laura Dimand, B.Sc., EPt with Mr. Richard Breault, Maintenance and Environmental Service Manager for the Ottawa Carleton Detention Centre (Richard.Breault@ontario.ca). Mr. Breault was familiar with historical and current activities at the Site. Below is a summary of key questionnaire responses provided by Mr. Breault:

- The current owner of the Phase One Property is the NCC;
- The Phase One Property was previously utilized for agricultural purposes;
- Historically, there was a manmade pond in the northwest portion of the Phase One Property within the driveway loop, the pond was filled with municipal water and was utilized recreationally as a duck pond. The pond was dried up and has not been backfilled;
- Two (2) USTs are present on the Phase One Property below the asphalt parking lot adjacent to the entrance of the facility;
- Five (5) ASTs are present on the Phase One Site, two (2) are associated with a backup generator in Block B, one (1) is associated with an additional backup generator in Block D, and two (2) are located outside adjacent to the storm water retention pond;
- The storm water retention pond was installed in 2001 during the addition of Block D and Block E. The previous storm water line, which directed water directly into Mud Creek, is no longer in use, however, it is unknown if the line was removed;
- There is a fire pit located on a grass covered area south of Block A, the fire pit is used recreationally for a sweat lodge;
- Excavation, grading, and fill activities may have taken place during the construction of the original building in 1970, or during the addition of Blocks A and D in 2001;
- A mould inspection was conducted in late 2014, the inspection lead to the removal of pipes in various locations around the Phase One Property, there is currently no mould concerns in the building;
- An Asbestos Survey was conducted in the early 1990s which lead to the removal of two (2) insulated pipes and various interior walls;
- An oil filled transformer that contained polychlorinated biphenyls (PCBs) was historically located in the basement and was removed over 20 years ago, no PCB filled transformers are currently present on Site;
- A grease trap is located exterior to the kitchen, it is serviced annually;
- The roof drains are directed to the storm water retention pond through the catch basins;

- The natural drainage on site is directed to catch basins so the storm water runoff is directed into the retention pond;
- The sewer water is monitored by the City of Ottawa, and is routinely sampled for various and analysed for various parameters (i.e. total dissolved solids (TSS), organic material, nutrient concentrations, etc.);
- The sewage water is treated by the auger grinder, prior to entering the municipal sewer line, the auger grinder physically breaks down material, the auger grinder is located below ground in the parking area north of the facility entrance;
- CBRE holds Environmental Compliance Approvals (ECAs) for the use of diesel powered backup generators and the use of the associated ASTs and USTs;
- The backup generator and associated ASTs and USTs are serviced twice annually by a third-party contractor;
- The HVAC systems are serviced by a third-party contractor as needed;
- The walk-in refrigerator and freezer units were replaced in 2006/2007 and are serviced as needed by a third-party contractor, no refrigerant fluid is stored on Site;
- The garbage and recycling is collected by a third-party waste contractor twice a week; and
- Road salt is applied for de-icing purposes during the winter months.

In summary, information collected from the interview questioner was generally consistent with the historical review and site reconnaissance information. Additional PCAs identified as part of the Site interview are as follows:

- The historic agricultural land use of the Phase One Property is identified as PCA item 40 for the potential use and storage of pesticides (including herbicides, fungicides and anti-fouling agents).
- The application of road salt for de-icing purposes during the winter months has been identified as PCA item 48.

6 SITE RECONNAISSANCE

6.1 General Requirements

ECOH undertook a site reconnaissance at the Phase One Property and within the Phase One Study Area on August 5, 2016. At the time of the site reconnaissance, the weather was sunny and the temperature was approximately 30°C. The site reconnaissance was completed from approximately 13:30 to 17:00 and was conducted by Ms. Laura Dimand, B.Sc., PgC EMA, EPt under the direct supervision of Mr. Jeff Muir, B.Sc., P. Geo. (Ltd.) of ECOH.

At the time of the site reconnaissance, the Site was occupied by two (2) buildings, i.e. the main OCDC building and a maintenance building. The Phase One Property exterior was primarily asphalt and gravel covered areas, utilized for parking and greenspace. Photographs showing key features of the Site and the Phase One Study Area are presented in Appendix H.

6.2 Specific Observations at Phase One Site

6.2.1 Building Details

There are two (2) buildings present at the Phase One Property. The OCDC building is an irregular shaped structure measuring approximately 18,500 m^2 in area. The building comprises five blocks, Block A to E. The building was constructed by Infrastructure Ontario, Blocks A to C were constructed in the early 1970s and served as a detention centre, Blocks D and E were added in 2001. The building comprises administrative, maintenance, kitchen, laundry, residential, and mechanical areas.

The internal layout of the building is shown on Figure 3 and is discussed in the following sub-sections.

6.2.1.1 Building Layout and Operations

Administrative Area

The current administrative areas are located in the front portion of the building (i.e. Block A, Block B and Block C). Detailed observations were limited due to security limitations. Housekeeping within the observed office area was tidy and organized. No issues of environmental concern were identified.

Maintenance Garage

The maintenance building comprises storage areas, a garage, an office area, mechanical rooms and washrooms. The interior finish within the maintenance building is generally comprised of concrete block walls, a concrete slab-on-grade floor with no finish, and steel deck roofing. There are two (2) garage bay doors along the west side of the garage, the garage area is utilized for storage, and as a lounge area for staff. Equipment stored in the maintenance garage generally includes furniture, housekeeping supplies and maintenance equipment. There is an underground trench in the concrete floor of the garage however it is unknown what it connects to and is not currently utilized (see Site photographs – Appendix H). A compactor and two (2) storage containers are located on the north side of the maintenance garage (see Figure 3), the compactor is used to compress garbage from the facility prior to being picked up by a third-

party contractor, the garbage is stored in the garbage and recycling area on the south side of the OCDC facility.

Housekeeping was observed to be tidy and organized, with no evidence of staining. No issues of environmental concern were identified within the maintenance building.

Kitchen, Laundry and Residential Areas

The kitchen, laundry, and residential areas are comprised within Block A to C and Block E, the laundry room contained several commercial washer and dryer machines. Housekeeping observed in the laundry room was tidy and organized, with no evidence of staining. No issues of environmental concern were identified within the laundry room. Observations of the kitchen and residential areas was limited due to security limitations.

Mechanical Areas

There were mechanical rooms (i.e. boiler rooms, electrical rooms, etc.) in Block A and B, and Block D. The following summarizes the mechanical rooms in each Block.

Block A

- The mechanical room in Block A is located in the centre on the basement floor (see Figure 3), the mechanical room contains a sump, four (4) air handling units (AHU), electrical switches, and a transformer.

Block B

- The mechanical rooms in Block B are located on the basement and ground floors (see Figure 3), the mechanical rooms include a boiler room in the basement, a generator room, electrical rooms and a boiler room on the ground floor. The boiler rooms contain two (2) AHU, one (1) makeup air unit (MAU), cold and hot domestic water tanks, compressors, and a sump, additionally a sump pump add and an AST is located within a room adjacent to the boiler room on the basement level. The generator room, located on the ground floor, contains a backup generator and an AST, the fill and vent pipes for both ASTs within Block B are located on the exterior of the north side of Block B. The electrical rooms contain three (3) transformers, a sump pump,

Block D

- There is a generator room and several mechanical rooms on the ground floor in Block D. The generator room contains a backup generator and an AST. The mechanical rooms contain three (3) transformers, a storage unit with approximately 20 batteries. Sprinkler system piping, two (2) coolant tanks containing R 134A, and glycol tanks to be used within the HVAC system to prevent freezing.

6.2.1.2 Building Interior Details

Entry and Exit Points

Entry and exit points within the OCDC building include: a main door at the front entrance of the OCDC, emergency fire escape doors throughout the building, and doors for maintenance and low security areas within each wing. The entry and exit points leading to maintenance areas and the main entry and exit door was inspected for evidence of staining, no issues of environmental concern were identified.

Heating and Cooling Systems

The building is heated and coolers by approximately 27 HVAC units, two (2) Make Up Air Units (MUA), two (2) Air Handling Units (AHU), and two (2) hot water boilers powered by natural gas. There are approximately 50 air exhaust fans associated with the HVAC system located throughout the building. ECOH conducted an inspection of select roof top HVAC units, the refrigerants used were identified to be R-22, chlorodifluoromethane, an Ozone Depleting Substance. The interviewee noted that the heating and cooling systems are serviced as needed by a third-party mechanical, cooling and ventilation specialist and no issues have been reported.

Drains, Pits and Sumps

One (1) below-grade interceptor trench (approximate depth of 0.1 mbgs) is located in front of the south bay door within the maintenance garage building. No information or records were available regarding the interceptor trench, what it drains into, or the primary purpose of the interceptor trench. Three (3) sump pumps are located within the basement maintenance rooms of Block A and Block B. One (1) sump is located within Block A in the basement mechanical room, two (2) sumps are located within Block B, one in the boiler room and one in the AST room (See Figure 4 and Figure 5). Floor drains were observed within the maintenance garage building, the laundry and kitchen facilities, the basement mechanical room of Block A, the basement boiler room in Block B within the maintenance building. At the time of the site reconnaissance no other drains, pits or sumps were noted throughout the interior of the Phase One Property building.

The presence of an interceptor trench associated with the maintenance garage indicates that there is a potential for historic vehicle maintenance to have been conducted on the Phase One Property, vehicle maintenance is classified as PCA item 52 “historic storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems”.

Unidentified Substances

No undefined substances were noted at the Phase One Property at the time of the site inspection.

Stains or Corrosion

The concrete around the floor drain found within the maintenance garage was cracked and appeared to be lightly stained and the concrete around the floor drain in the Block A mechanical room had staining around it. The concrete below the generator and AST within the generator room on the ground floor of Block B had staining. Additionally, the concrete below the generator within the generator room in Block

D had staining on it as well. At the time of the Site Reconnaissance no other staining or corrosion was noted throughout the interior of the Site building.

6.2.2 Below-Ground Structures

A manmade pond was dug out in the northwest portion of site located within the driveway loop, based on aerial photographs the pond was constructed between 1958 and 1970, no records were available regarding the lining material utilized during construction however based on the interviewee response the water level was historically filled with municipal water.

6.2.3 Storage Tanks

Five (5) ASTs and two (2) USTs were present on the Phase One Property at the time of the site reconnaissance, historically, an additional two (2) USTs and one (1) AST was present on the Phase One Property. It should be noted that since the site reconnaissance was conducted on August 5, 2016 the ASTs and associated back-up generators have been serviced, additionally, select ASTs, fuel lines, and fill and vent pipes have been replaced. The following table summarizes the current and historical storage tanks that were present on the Phase One Property at the time of site reconnaissance.

Table 6.2.3.1: Summary of Current Storage Tanks

Historic / Current	Location	Type of Tank(s)	Date of Fabrication	Key Information
Current	Southeast portion of the Property adjacent to the storm water retention pond	Two (2) ASTs	2000	• Double walled steel AST • Capacity of 1,345 L • Equipped with a fuelling pump connected to the top of the AST
			1999	• Double walled steel AST • Capacity of 910 L • Equipped with a fuelling pump connected to the top of the AST
Current	Block B - Generator Room – Ground Floor	One (1) AST	2010	• Double walled steel AST • Capacity of 910 L

Historic / Current	Location	Type of Tank(s)	Date of Fabrication	Key Information
				• Connected to the AST located in the AST Room in basement of Block B via a fuel and vent lines that run through the walls and floor • Fill and vent pipes located on the north side of Block B • Connected to the generator, located across the room, via an above ground fuel line
Current	Block B – AST Room - Basement	One (1) AST	N/A (AST tag not visible)	• Double walled steel AST • Elevated approximately 1.2 metres above ground • Connected to the AST in the Generator Room on the ground floor in Block B via fuel and vent pipes that run through the walls and floor • Fitted with concrete walls around the base
Current	Block D – Generator Room – Ground Floor	One (1) AST	N/A (AST tag not visible)	• Single walled steel AST • Connected to the generator, located across the room, via underground fuel pipes

Historic / Current	Location	Type of Tank(s)	Date of Fabrication	Key Information
				• Fitted with a steel secondary containment box • Fill and vent pipes located on the north side of Block D • Generator is located on top of a concrete pad • Staining noted on the concrete pad below the backup generator • A leaking fuel pipe was observed, a plastic tub was placed below the pipe to contain the leaking fuel, no staining was observed around the pipe or tub
Historic	Shipping and Receiving Area	Two (2) USTs	1970 – N/A	• Diesel filled UST • Fill and vent pipes were located north of the UST adjacent to the gate at the entrance to the shipping and receiving area • The associated gasoline and diesel lines ran into the basement of Block B and Generator Room
			1970 – N/A	• Gasoline filled UST

Historic / Current	Location	Type of Tank(s)	Date of Fabrication	Key Information
				• Fill and vent pipes were located north of the UST adjacent to the gate at the entrance to the shipping and receiving area • The associated gasoline and diesel lines ran into the Block B generator room
Historic	Block B - Generator Room – Ground Floor	One (1) AST	1970 – N/A	• Diesel filled AST associated with the generator on the ground floor in the generator room

The operation of ASTs and USTs on the Phase One Property is classified as PCA item 28 "Gasoline and Associated Products Storage in Fixed Tanks", the identified PCAs and associated APECs are further discussed in Section 7.2. Furthermore, it should be noted that no records for the decommissioning of the historic USTs. Furthermore, site observations identified various surface structures (e.g. concrete pads and manhole covers) which are inferred to be associated with the historic USTs (see Section 4.2 for details).

6.2.4 Potable and Non-Potable Water Sources

The Phase One Property is serviced with a municipal water supply, the municipal water supply comes from the Lemieux Island Water Purification Plant and the Britannia Water Purification Plant which draw water from the Ottawa River. Based on the Site Plan & Legend (discussed in Section 4.2.1). There are no on-site drinking water wells.

6.2.5 Utilities and Services

The Phase One Property is serviced with buried natural gas and telecommunications and municipal sewer services. Hydro services enter the Phase One Property above ground. The Phase One Property is equipped with storm water catch basins on the north asphalt covered entrance way and shipping and receiving courtyard. In addition, there is a storm water retention pond equipped with catch basins along the south portion of the Property (See Figure 3). Based on the Site Plan & Legend (discussed further in Section 4.2.1) the storm water catch basins and several manholes were connected to a storm water line that historically

ran below ground surface from the north part of the property south towards Mud Creek with an outlet into Mud Creek. During the construction of Block D and Block E in 2001, a new storm line leading to a retention pond, located south of the OCDC building, was developed. Generally, surface water run-off on the Phase One Property currently flows into the catch basins for discharge into the retention pond.

6.2.6 Wells

There are no wells present at the Site.

6.2.7 Sewage Works

The Phase One Property is serviced with a sanitary sewer system which is connected to the municipal system. The collection and transmission of sewage at the Phase One Property is limited to domestic waste (toilet or other bathroom waste), however, the sewage waste travels through an auger grinder located in the parking lot area north of the main entrance (See Figure 3) which physically breaks down material prior to entering the municipal sewer system. Based on Site Plan & Legend (discussed in Section 4.2.1) the sewer line exits the Phase One Property from Innes Road, the line exits the building from Block B and travels northwest to exit the site near the northwest corner of the Phase One Property (See Figure 5)

6.2.8 Railway Lines

No railways are located on the Phase One Property or within the Phase One Study Area.

6.2.9 Phase One Site Not Covered by Buildings or Structures

Ground Surface Details

The ground surface at the Phase One Property is comprised of asphalt cover on roadways, courtyards and parking lots around the Phase One Property building with the exception of a roadway and two (2) parking lot areas in the south portion of the Phase One Property near Block A which comprises a gravel covered area, landscaped areas on various portions of the Phase One Property. Additionally, there is a man-made pond located in the northwest portion of the Phase One Property within a driveway loop. Based on an inspection of the ground surface outside of the building, the following potential environmental concerns were identified:

- The asphalt was noted to be in poor condition (i.e. cracked) near the shipping and receiving area (see Site photographs – Appendix H), potentially serving as a preferential pathway for contaminants to be released into the subsurface, e.g. de-icing salt (PCA item 48).
- Minor oily staining was observed on the asphalted areas immediately adjacent to the shipping and receiving loading bay.

Stained Soil or Vegetation

No stained soil, vegetation was observed at the Phase One Property during the site reconnaissance.

Stressed Vegetation

The vegetation at the Phase One Site did not appear stressed.

Fill and Debris Materials

Based on the results of the site reconnaissance, no areas of above ground disturbed fill or fill materials were observed at the Phase One Property.

Unidentified Substances

No unidentified substances were observed at the Phase One Property during the site reconnaissance.

6.2.10 Potentially Contaminating Activities

De-icing salt was observed to be stored in the storage container located north of the maintenance garage. Furthermore, based on information provided by the interviewee, de-icing salt is applied to parking lots and walkways in the winter months. The storage and use of de-icing salt is classified as PCA item 48 "Salt Manufacturing, Processing and Bulk Storage". No additional PCAs or APECs beyond those already identified from the records review and site interview were identified during the site reconnaissance.

6.2.11 Enhanced Investigation Property

The Phase One Property is not classified as an Enhanced Investigation Property.

6.3 Investigation of Phase One Study Area

The surrounding properties within the Phase One Study Area are presented on Figure 2. The immediately adjacent properties are presented in the following Table 6.3.

Table 6.3: Surrounding Properties

Location	Property Details
North	Innes Road (community) followed by Agricultural
East	Institutional
South	Parkland
West	Institutional

At the time of site reconnaissance, the property adjacent to the west, New Hope Church, contained a steel AST inferred for the storage of diesel fuel (see Site photographs – Appendix H). The AST is located approximately 70 m west of the Phase One Site. The operation of an AST is classified as PCA item 28 "Gasoline and Associated Products Storage in Fixed Tanks", the identified PCAs and associated APECs are further discussed in Section 7.2.

No additional PCAs or APECs beyond those already identified from the records review were identified during the site reconnaissance.

6.4 Written Description of Investigation

The site reconnaissance investigations were completed pursuant to Schedule D Sections 13 and 14 of O. Reg. 153/04 (as amended), the results of which are discussed within the previous section. It should be noted that due to security limitations the Site Reconnaissance could not be conducted within the entire building however the exterior of the building and each mechanical room was observed. Efforts were taken to investigate and inquire about the nature of the historical and current operations at the Site through a reconnaissance of the Phase One Property and Phase One Study Area. Furthermore, efforts were taken to identify off-site PCAs, through a reconnaissance of neighbouring properties from publicly accessible areas. All PCAs identified at the Site and within the Phase One Study Area are discussed within Sections 7.2.1 and 7.2.2 respectively.

7 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

Based on the records review, the current and past uses for the Phase One Property have been summarized and are presented in Table 7.1. In addition, a 2016 satellite image of the Phase One Study Area was obtained from ©Google.

Responses from the interviewee, indicated that the Phase One Property was leased by IO circa the early 1970s and the original building (Block A, B, and C) was opened in 1972. Based on the above, it has been concluded that the first developed use of the Phase One Property was for agricultural circa 1958 followed by residential use *circa* the early 1970s.

Table 7.1: Current and Past Uses

Years	Description of Property Use	Property Use	Other Observations from Records Review and Site Reconnaissance
Prior to 1958	Agricultural (inferred)	Agricultural or other (inferred)	N/A
1958 – 1969	Agricultural	Agricultural or other	• Aerial photography from 1958 shows the Phase One Property as farmland (crops). • Information retrieved from the interview process indicated that the Phase One Property was previously used for agricultural purposes.
1969 - Current	OCDC	Residential	• Previous environmental drawings from 1969 identify the Blocks A, B and C of the current day structure was in development. • Information retrieved from the interview process indicated that the OCDC facility was built in 1970 and began operating in 1972. • Aerial photography from 1976 shows the Phase One Property resembling that of Blocks A, B, and C of the current day OCDC facility. • Information retrieved from the interview process indicated that Blocks D and E were developed in 2001 and aerial photography from 2009 shows Blocks D and E of the current day OCDC facility.

7.2 Potentially Contaminating Activities

7.2.1 On-site Potentially Contaminating Activities

The on-site PCAs are summarized below in Table 7.2.1 and are presented on Figure 6.

Table 7.2.1: On-site PCAs

PCA Item	Historic or Current	Report Section	APEC Rationale
28	Current and Historic	4.2, 4.3.1, 4.3.2.2, 5 and 6.2.3	Potential for petroleum hydrocarbon (PHC) impacts within soil and groundwater from current or historic presence of the following nine (9) storage tanks and one (1) fuel storage location: • Two (2) diesel ASTs located adjacent to the stormwater retention pond; • One (1) diesel AST located in the Generator Room on the ground floor of Block B; • One (1) diesel AST located in the AST Room in the basement of Block B; • One (1) diesel AST located in the Generator Room in the basement of Block D; Two (2) diesel USTs located below the parking lot located north of the OCDC main entrance; • Two (2) USTs for fuel oil and diesel, historically located below the shipping and receiving area between Blocks B and D; and • One (1) storage container, located north of the maintenance garage, used to store four (4) gasoline filled jerry cans
40	Historic	4.4.1 and 5	Potential for the historical application of pesticides on the former crops located within the Phase One Property. Historic pesticides (e.g. DDT) are persistent organic contaminants that can readily adsorb to soils. Depending on conditions, historic pesticides such as DDT and associated breakdown products (e.g. DDD, DDE), can have a soil half-life up to 30 years.
48	Current and Historic	5 and 6.2.10	Potential for salt constituent contamination within soil and groundwater from use of de-icing salt within the parking lot areas (asphalt and gravel covered), walkways. and within the storage container located north of the maintenance garage.
52	Historic	5 and 6.2.2	Potential for historic maintenance (i.e. oil changes, wash downs, etc.) of vehicles within the maintenance garage

7.2.2 Off-Site Potentially Contaminating Activities

The off-site PCAs, and the rationale as to whether they contribute to an APEC, are summarized below in Table 7.2.2 and presented as Figure 2.

Table 7.2.2: Off-site PCAs

Property	PCA Item	Report Section	Direction with Respect to Groundwater Flow	Approx. Distance (m)	Contributes to an APEC (yes/no)	Rationale
2224 Innes Road (adjacent to the west)	28	6.3	Transgradient	The AST is approximately 70 m west of the Phase One Property	No	N/A

7.3 Areas of Potential Environmental Concern

APECs were identified as areas where PCAs have taken place on-site or where the effects of off-site PCAs would most likely affect the Phase One Property. These were determined based on professional judgment and in general accordance with O. Reg. 153/04 (as amended). Based on the findings of the ESA, 10 APECs have been identified at the Phase One Property, which are summarized in the following table and presented in Figure 7.

Table 7.3: Summary of APECs

APEC	Location of APEC on Site	PCA	Location of PCA	Contaminants of Concern	Media Potentially Impacted
APEC 1	Asphalt and gravel covered areas (i.e. parking lots, driveways, and walkways)	PCA 48 – Salt Manufacturing, Processing and Bulk Storage (road salt application)	On-site	EC and SAR Sodium and Chloride	Soil Groundwater
APEC 2	Current location of three (3) ASTs within Blocks B and D and historic location of USTs below the shipping and receiving area	PCA 28 - Gasoline and associated products storage in fixed tank	On-site	PHCs, benzene, toluene, ethyl benzene, xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), and Metals	Soil & groundwater

APEC	Location of APEC on Site	PCA	Location of PCA	Contaminants of Concern	Media Potentially Impacted
APEC 3	Current location of two (2) USTs below the parking lot near the main entrance	PCA 28 - Gasoline and associated products storage in fixed tank	On-site	PHCs, BTEX, PAHs, and Metals	Soil & groundwater
APEC 4	Northwest portion of the property over, near the pond	PCA 40 – (pesticides [including herbicides, fungicides and anti-fouling agents] manufacturing, processing, bulk storage and large-scale applications)	On-site	Organochlorine (OC) pesticides, Metals, Hexavalent Chromium (Cr (VI)), and Mercury (Hg)	Soil & groundwater
APEC 5	Maintenance garage and shipping containers	PCA 28 - Gasoline and associated products storage in fixed tank	On-site	PHCs, BTEX, PAHs and Metals	Soil & groundwater
APEC 6	Maintenance garage and shipping containers	PCA 48 – Salt Manufacturing, Processing and Bulk Storage (road salt application)	On-site	EC and SAR Sodium and Chloride	Soil Groundwater
APEC 7	Current location of two (2) ASTs located north of the storm water retention pond	PCA 28 - Gasoline and associated products storage in fixed tank	On-site	PHCs, BTEX, PAHs and Metals	Soil & groundwater
APEC 8	Storm water retention pond	PCA 48 – Salt Manufacturing, Processing and Bulk Storage (road salt application)	On-site	EC and SAR Sodium and Chloride	Soil Groundwater
APEC 9	Garage bays	PCA 52 – Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation system	On-site	PHC, BTEX, PAH, volatile organic compounds (VOCs), EC, SAR, sodium, chloride, and metal	Soil & groundwater

APEC	Location of APEC on Site	PCA	Location of PCA	Contaminants of Concern	Media Potentially Impacted
APEC 10	West side of the Phase One Property, adjacent to 2224 Innes Road, Ottawa	N/A	On-site	PHCs, BTEX, PAHs, PCBs, metals and inorganics	Soil & groundwater

1. Area of potential environmental concern (APEC) means the area on, in or under a Site where one or more contaminants are potentially present, as determined through the Phase One ESA, including thorough,

(a) identification of past or present uses on, in or under the Site, and

(b) Identification of potentially contaminating activity.

2. Potentially Contaminating Activity (PCA) means a use or activity set out in Column A of Table 2 of Schedule D of Ontario Regulation 153/04 (as amended), that is occurring or has occurred in a Phase One Study Area.

3. When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011.

7.4 Phase One Conceptual Site Model

The Phase One ESA Conceptual Site Model (CSM) described below is based on the observations made during the Phase One Property reconnaissance and information gathered during the historical information review for the Phase One Property. The CSM consists of figures which show:

- Phase One Property features and structures;
- Water bodies located within the Phase One Study Area;
- Roads (including names);
- Uses of the properties adjacent to the Phase One Property;
- Areas where PCAs and APECs have been identified; and
- Any other pertinent on-site or off-site features which serve as potential environmental receptors or contaminant transport mechanisms (e.g. utilities, drains, etc.).

The figures that comprise the Phase One CSM include:

Figure 8 Site Location Plan
Figure 9 Phase One Study Area and Off-Site PCA Plan
Figure 10 Site Layout Plan
Figure 11 Ground Floor Layout Plan
Figure 12 Basement Layout Plan

Figure 13 On-Site PCA Plan
Figure 14 APEC Plan

In addition to the figures, a narrative description of the Phase One Property' physical characteristics, PCAs/APECs, and preferential transport mechanisms is provided in the following subsections.

7.4.1 Physical Characteristics and Preferential Transport Pathways

In developing the CSM, the following physical characteristics and preferential transport pathways were evaluated in order to assess whether or not PCAs have contributed to an APEC at the Phase One Property.

Geological and Hydrogeological Information

The underlying surficial geology at the Phase One Property and within the Phase One Study Area is glaciomarine and marine silt and clay deposits. The Bedrock beneath the overburden is the Georgian Bay Formation consisting of shale, limestone, dolostone and siltstone. The clay/silt overburden is inferred to serve as a shallow hydrostratigraphic aquitard unit. Groundwater flow within this unit is inferred to be horizontal and unconfined and influenced by the surface topography. Groundwater beneath the Phase One Property is inferred to flow southwest and to be influenced by Mud Creek and the overlying topography. Furthermore, based on waterwell information provided within the EcoLog ERIS report, a shallow groundwater horizon is inferred to reside beneath the Site within the silt/clay stratum at a depth of approximately 4.5 mbgs.

Water Bodies, Areas of Natural Significance, Potable Water Wells

The nearest waterbody is Mud Creek, located approximately 50 m to the south of the Phase One Property. One (1) ANSIs was identified immediately adjacent to the south of the Phase One Property, Green's Creek Conservation Area. No ANSIs and water supply wells were identified on, or in the vicinity of, the Phase One Property or Study Area.

Underground Utilities

Storm water, sanitary, sewer and natural gas utilities reside beneath the Phase One Property. The sewer, sanitary and storm water lines are inferred to contact the shallow groundwater horizon and could serve as a preferential pathway for contaminant distribution. The storm water line specifically is inferred to run adjacent to the location of the two (2) historic USTs located below the shipping and receiving area.

7.4.2 APECS

APEC 1, 6 & 8 – Parking Lots, Driveways, Walkways, the North Storage Container, and the Storm Water Retention Pond

It is understood that de-icing activities were and are currently undertaken during winter months within the parking lots and walkways of the Phase One Property, additionally, it is understood that de-icing salt is stored within the storage container located north of the maintenance garage and that the maintenance garage has interceptor trenches that could potentially have served as vehicle wash down areas. The

asphalt within select locations throughout the Phase One Property was observed to be cracked. Additionally, there is portion of the road way in the southern part of the Phase One Property which has gravel cover. Cracked asphalt and gravel could serve as a preferential pathway for salt impacted meltwater to enter the subsurface, potentially impacting soil and groundwater. The PCOCs associated with the application of de-icing salt include EC and SAR in soil and sodium and chloride in groundwater.

APEC 2 & 3– Current and Historic ASTs and USTs within Block B, Block D, and Below the main entrance parking lot and the Shipping and Receiving Area

It is understood that historically there were two (2) USTs for fuel oil and diesel located below the shipping and receiving area, a storm water line runs adjacent to the east of the historic USTs which could act as preferential pathway for potential contaminant migration. Additionally, it is understood that there are three (3) ASTs and two (2) associated backup generators currently located within Block B and Block D and two (2) USTs currently located below the main entrance parking lot. The PCOCs associated with the current and historic USTs as well as the backup generators are PHCs, BTEX, PAHs and metals.

APEC 4 – Historic Crop Land (Northwest Portion of the Phase One Property)

Given the historic agricultural land use of the northwest portion of the Phase One Property there is a potential for the historic application of pesticides on-site. The potential historic application of pesticides presents a potential source of contamination within soil and/or groundwater at the Phase One Property.

Historic pesticides (e.g. DDT) are persistent organic contaminants that can readily adsorb to soils. Depending on conditions, pesticides can be degraded by microbial action and chemical reactions in soil; however, pesticides such as DDT and associated breakdown products (e.g. DDD, DDE), can also persist in soil and have a soil half-life of up to 30 years. With respect to groundwater, pesticides can contaminate groundwater if the soil sorption coefficient is low, the pesticides half-life is long, and its water solubility is high. Given the inferred medium-fine textured surficial soils at the Phase One Property (i.e. silt to silty clay), the sorptive capacity is likely high, reducing the capacity for pesticides to leach into the shallow groundwater horizon; however, the potential for groundwater contamination cannot be precluded at this time.

Based on the 1958 aerial photograph included in Appendix F, the northwest portion of the Phase One Property was historically utilized as cropland, as such, the northwest portion of the Phase One property has been identified as an APEC. The PCOCs associated with the potential historical application of pesticides include O. Reg. 153/04 (as amended) regulated OC pesticides and metals including Hexavalent Chromium and Mercury. The above noted APEC is shown on Figure 7.

APEC 5 – North Storage Container

It is understood that the storage container located north of the maintenance garage is utilized to store gasoline filled jerry cans, the storage of a gasoline product presents as a potential source of contamination

within soil and/or groundwater at the Phase One Property. APEC 5 is identified as the North Storage Container, the PCOCs associated with APEC 5, the storage of gasoline, are PHCs, BTEX, PAHs and metals.

APEC 9 – Garage Bays

It is understood that the maintenance garage contains two (2) garage doors, one of which is equipped with an interceptor trench, the potential storage, maintenance, re-fuelling and repair of equipment or vehicles in the service garage presents as a potential source of contamination within soil and/or groundwater at the Phase One Property. Based on site interview information no vehicle maintenance or re-fuelling is done within the maintenance garage and the interceptor trenches are not utilized, however, the potential for groundwater and/or soil contamination cannot be precluded at this time. APEC 9 is identified as the maintenance garage bays, the PCOCs associated with APEC 9 are PHCs, BTEX, VOCs, PAH, EC, SAR, Chloride, Sodium and Metals.

APEC 10 – West Side of the Phase One Property

It is understood that the adjacent property to the west, 2224 Innes Road, Ottawa, was identified as a contaminated federal land site. The owner of the property the NCC commissioned an initial testing program between June 200 and October 2015. Based on above information the potential for the adjacent land to be contaminated cannot be precluded at this time, as such, there is potential for the migration of the potential contamination into the groundwater and/or soil on the Phase One Property. APEC 10 is identified as the west Property boundary adjacent to the potentially contaminated site, 2224 Innes Road, Ottawa. The PCOCs associated with APEC 9 are PHCs, BTEX, PAH, PCBs, EC, SAR, metals and inorganics.

7.4.3 Sources of Uncertainty

Sources of uncertainty in the Phase One CSM are similar to those for any Phase One CSM including:

1. Gaps in records obtained during the records review;
2. The extent of site knowledge of persons selected for interview; and
3. The timing of the site visit, which provides a snapshot of the conditions of the Phase One Property at the time of the visit when evidence of historic site activities may not be visible.

Uncertainty related to potential timeline gaps in the information used to define the past use at the Phase One Property and on surrounding properties was considered low and was minimized in this study through the adequate acquisition of historical records, environmental reports, and maps.

Furthermore, uncertainty in the geological and hydrogeological components of the CSM can affect the validity of the groundwater flow and contaminant transport assumptions used as a basis to establish both on and off-site PCAs. This uncertainty was minimized during this assessment due to strong correlation between local geological/hydrogeological data retrieved from various sources. However, there remains a potential for the groundwater flow system to deviate from the inferred trends based on factors such as unidentified pathways which could influence groundwater flow at the Phase One Property and Study Area.

8 CONCLUSIONS

8.1 Recommendations Regarding a Phase Two ESA

Based on information obtained from the records review, site interview and the site reconnaissance, ECOH identified various PCAs at the Site and within the Phase One Study Area which have resulted in the following 10 APECs:

1. Paved and gravel areas due to the current and historic application of de-icing salt over the winter months.
2. Block B, Block D and below the shipping and receiving area between Blocks B and D due to the current use of three (3) ASTs within Block B and Block D, and the historic use of two (2) USTs below the shipping and receiving area.
3. Below the main entrance parking lot due to the current use of two (2) USTs.
4. The northwest portion of the Phase One Property (i.e. the former location of crops) due to the potential historic application of pesticides and herbicides.
5. The north storage container due to the storage of gasoline filled jerry cans.
6. The north storage container due to the storage of de-icing salt.
7. The area north of the storm water retention pond due to the current location of two (2) ASTs.
8. The storm water retention ponds due to the potential for the collection of meltwater in spring containing elevated concentrations of sodium and chloride related to the de-icing salt applied on the Phase One Property over the winter months.
9. The maintenance garage bays due to the presence of bays and an interceptor trench and the potential for vehicle or equipment maintenance, refueling and/or wash-downs to have been historically conducted.
10. The west side of the Phase One Property due to the potentially contaminated adjacent property and the potential for contaminant migration onto the Phase One Property.

As a result of the identified APECs, and to remove any uncertainty with the potential for soil and groundwater impacts at the Site, it is recommended that a Phase Two ESA be undertaken at the Site.

9 LIMITATIONS AND CLOSURE

This report was prepared based on historical documents reviewed, review of regulatory records and observations made during the inspection of the Site. Only those items, which are capable of being observed and are reasonably obvious to ECOH personnel, or have been identified to ECOH by other parties, can be reported. The work completed as per the scope of work is considered sufficient in detail to form a reasonable basis for the findings presented in this report. ECOH warrants that the findings and conclusions contained herein have been made in accordance with generally accepted evaluation methods in the industry and applicable standards and regulations at the time of the performance of the Phase One ESA.

It is possible that conditions will exist which could not be reasonably identified within the scope of the Phase One ESA or which were not apparent during the investigation of the Site. ECOH believes that the information collected during the Phase One ESA period concerning the Site is reliable. No other warranties are implied or expressed. ECOH, to the best of its knowledge, believes this report to be accurate; however, ECOH cannot guarantee the completeness or accuracy of information supplied to ECOH.
This report was prepared by ECOH for the purposes of Colliers Project Leaders. The material in it reflects ECOH's professional interpretation of information available to it at the time of preparation. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. ECOH accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. Should additional information become available that suggests other environmental issues of concern beyond that described in this report, ECOH retains the right to review this information and modify conclusions and recommendations presented in this report accordingly. ECOH is an Environmental Consulting Company and as such any results or conclusions presented in this report should not be construed as legal advice.

We trust that this information is sufficient for your needs at this time. Please do not hesitate to contact the undersigned if further clarification is required on any aspect of this report.

ECOH Management Inc.
Environmental Consulting
Occupational Health

Prepared by:

Laura Dimand, B.Sc., EMA, EPt
Environmental Scientist

Reviewed by:

Jeff Muir, B.Sc., P. Geo. (Ltd.), QP_{ESA}
Vice President - Environmental

10 REFERENCES

- City of Ottawa, 2016. GeoOttawa online interactive zoning map. From http://maps.ottawa.ca/geoOttawa/
- Ministry of Natural Resources and Forestry (MNRF) - Make a Map: Natural Heritage Areas online database. Retrieved from https://www.ontario.ca/environment-and-energy/make-natural-heritage-area-map
- Ontario Geological Survey (2010). Quaternary Geology of Ontario; Ontario Geological Survey – Map No. 2556.
- Ontario Geological Survey (2010). Bedrock Geology of Southern Ontario, Southern Sheet; Ontario Geological Survey – Map No. 2544.
- Ontario Ministry of Natural Resources (April 2014), Area of Natural and Scientific Interest (ANSI) – Order Number 20150610026.
- Ontario Ministry of Natural Resources. Ontario Base Map Data (2010)
- Z768-01 Phase One Environmental Site Assessment, Canadian Standard Association ("CSA"), November 2001 (CSA, 2001).
- Ontario Regulation 153/04 (as amended), Record of Site Condition, Part XV.1 of the Act. Ontario Ministry of the Environment, April 2011 (MOE, 2011).
- Rideau Valley Conservation Authority et al. Mud Creek (GCk) 2012 Summary Report, City Stream Watch, 2012

Figures

Legend

Approximate Phase One Property Boundary

Image Source:
Google Earth
Images

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 1

Site Location Plan

LOCATION: 2244 Innes Road
Ottawa, Ontario

PROJECT:
Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868	**DATE:** November 2016	**DRW BY:** CAB	
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	**SCALE:** Not to Scale	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health

Legend

- Approximate Phase One Property Boundary
- Approximate Phase One Study Area
- Agricultural Property Use
- Community Property Use
- Institutional Property Use
- Parkland Property Use
- (00) PCA Which Does Not Result in an APEC

PCA Item	MOECC Description
28	Gasoline and Associated Products Storage in Fixed Tanks

Image Source:
Google Earth
Images

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 2

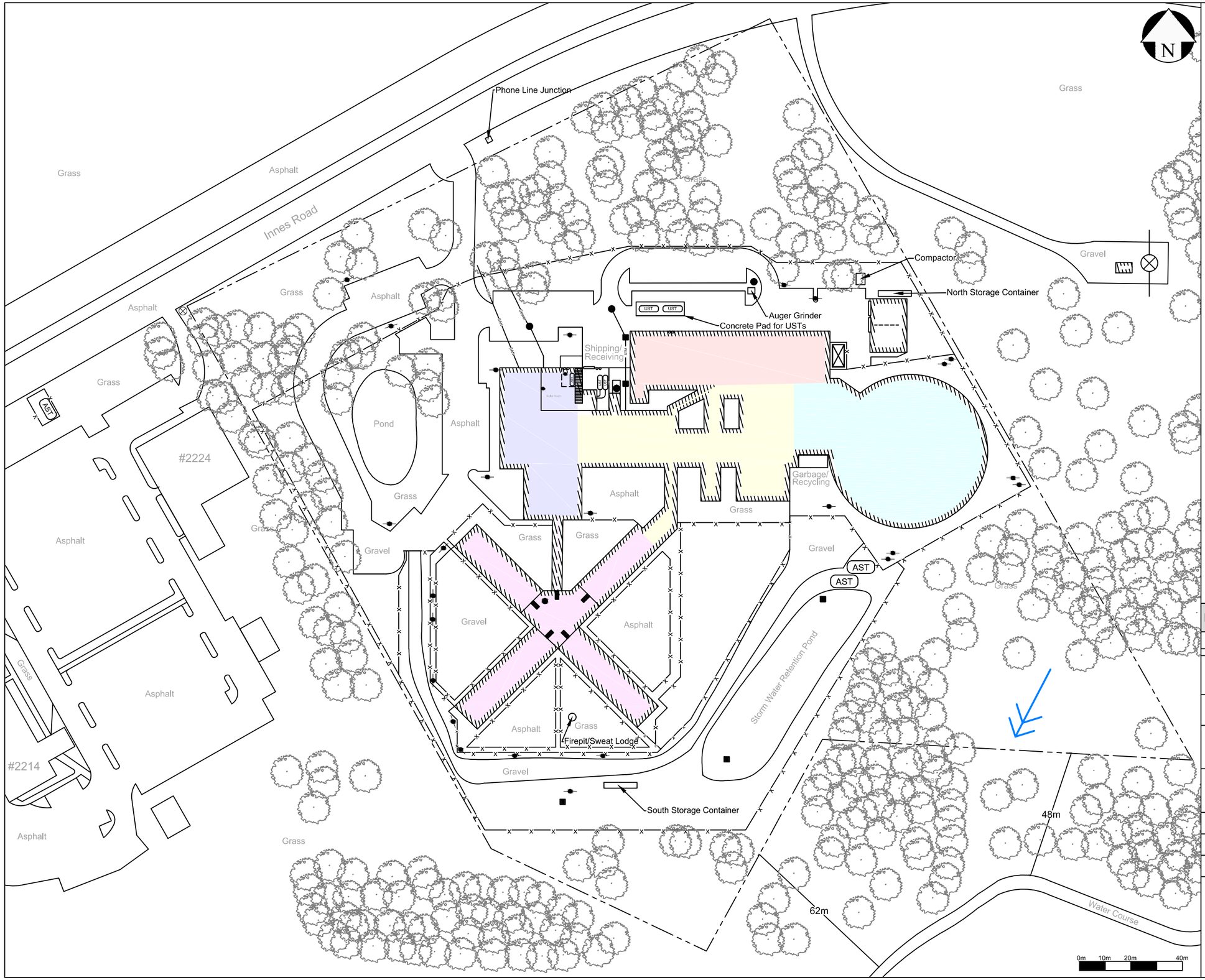
Phase One Study Area and Off-Site PCA Plan

LOCATION: 2244 Innes Road
Ottawa, Ontario

PROJECT:
Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868	DATE: November 2016	DRW BY: CAB	
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	SCALE: As Noted	CHK BY: LD	

ECOH
Environmental Consulting
Occupational Health



Legend

- Approximate Phase One Property Boundary
- Existing Building
- Cell Tower
- Light Post
- Hydro Pole
- AST — Aboveground Storage Tank
- Manhole
- Catch Basin
- #000 — Address/Lot Nuumber
- Electrical Transformer
- Security Fence
- SAN — Sanitary Line
- Sewer — Sewer Line
- STM — Storm Water Line
- Interceptor
- Inferred Groundwater Flow
- Block - A (1970)
- Block - B (1970)
- Block - C (1970)
- Block - D (2001)
- Block - E (2001)

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 3

Site Layout Plan

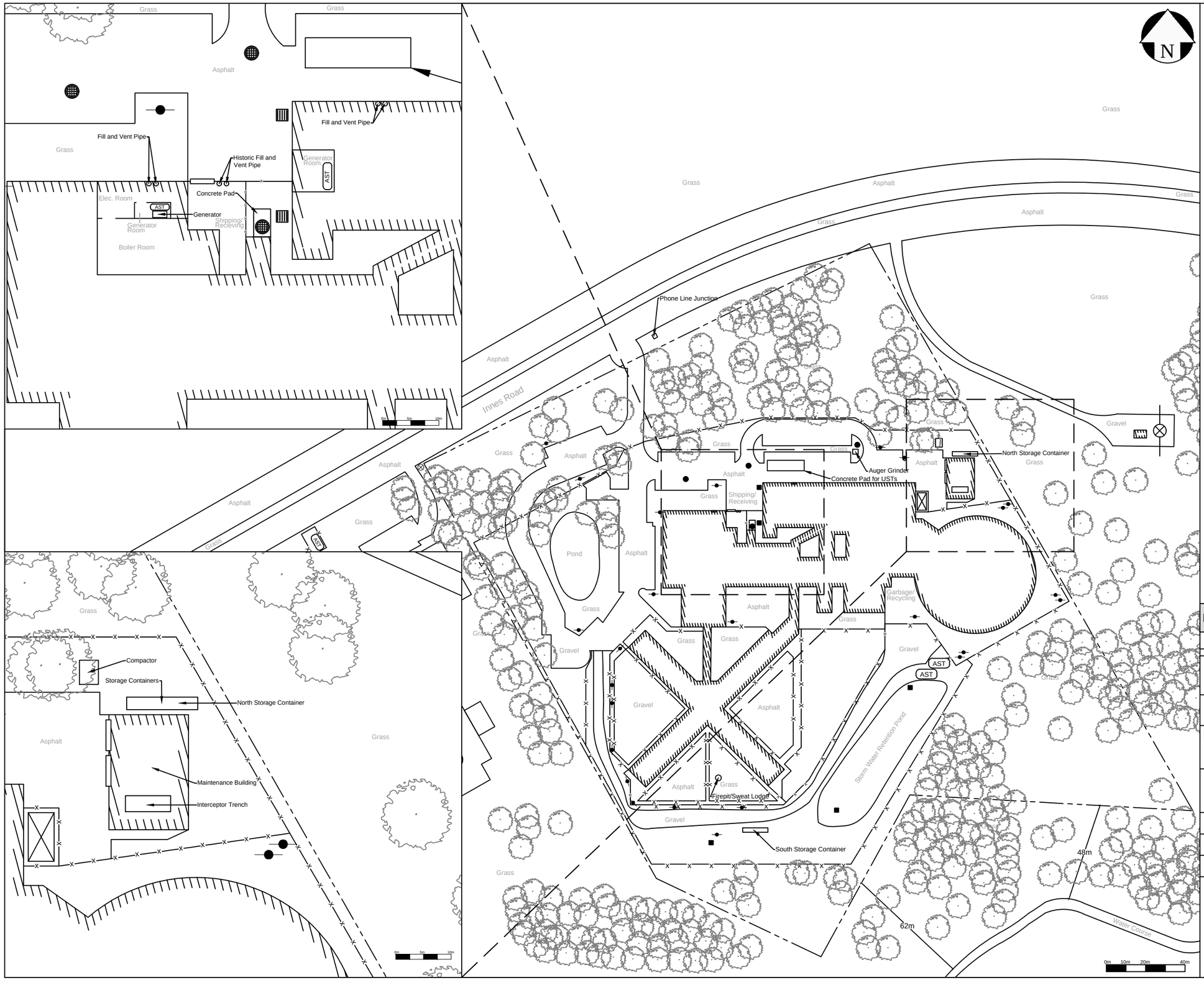
LOCATION: 2244 Innes Road
Ottawa, Ontario

PROJECT:
Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders

PROJECT NUMBER:	DATE:	DRW BY:
16868	November 2016	CAB
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	**SCALE:** As Noted	**CHK BY:** LD

ECOH
Environmental Consulting
Occupational Health



Legend

- Approximate Phase One Property Boundary
- Existing Building
- Cell Tower
- Light Post
- Hydro Pole
- AST — Aboveground Storage Tank
- Manhole
- Catch Basin
- Bay Door
- Electrical Transformer
- —X—X— Security Fence

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 4

Ground Site Layout Plan

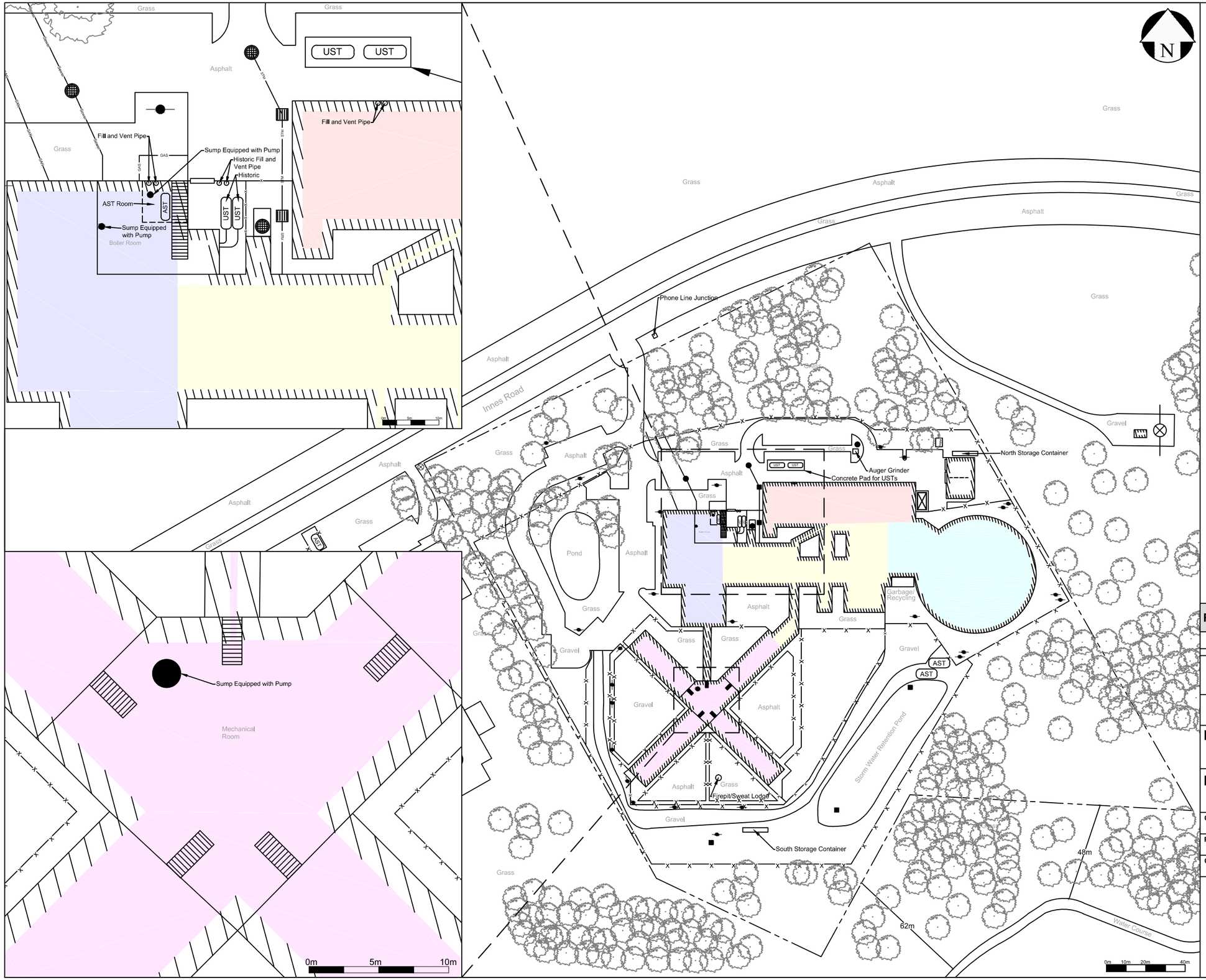
LOCATION: 2244 Innes Road
Ottawa, Ontario

PROJECT:
Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders

PROJECT NUMBER:	DATE:	DRW BY:
16868	November 2016	CAB
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	**SCALE:** As Noted	**CHK BY:** LD

ECOH
Environmental Consulting
Occupational Health



Legend

- Approximate Phase One Property Boundary
- Existing Building
- Cell Tower
- Light Post
- Hydro Pole
- AST — Aboveground Storage Tank
- UST — Underground Storage Tank
- Manhole
- Catch Basin
- Bay Door
- Electrical Transformer
- Security Fence
- SAN — Sanitation Line
- Sewer — Sewer Line
- STM — Storm Water Line
- GAS — Gas Line
- Interceptor

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 5

Basement Site Layout Plan

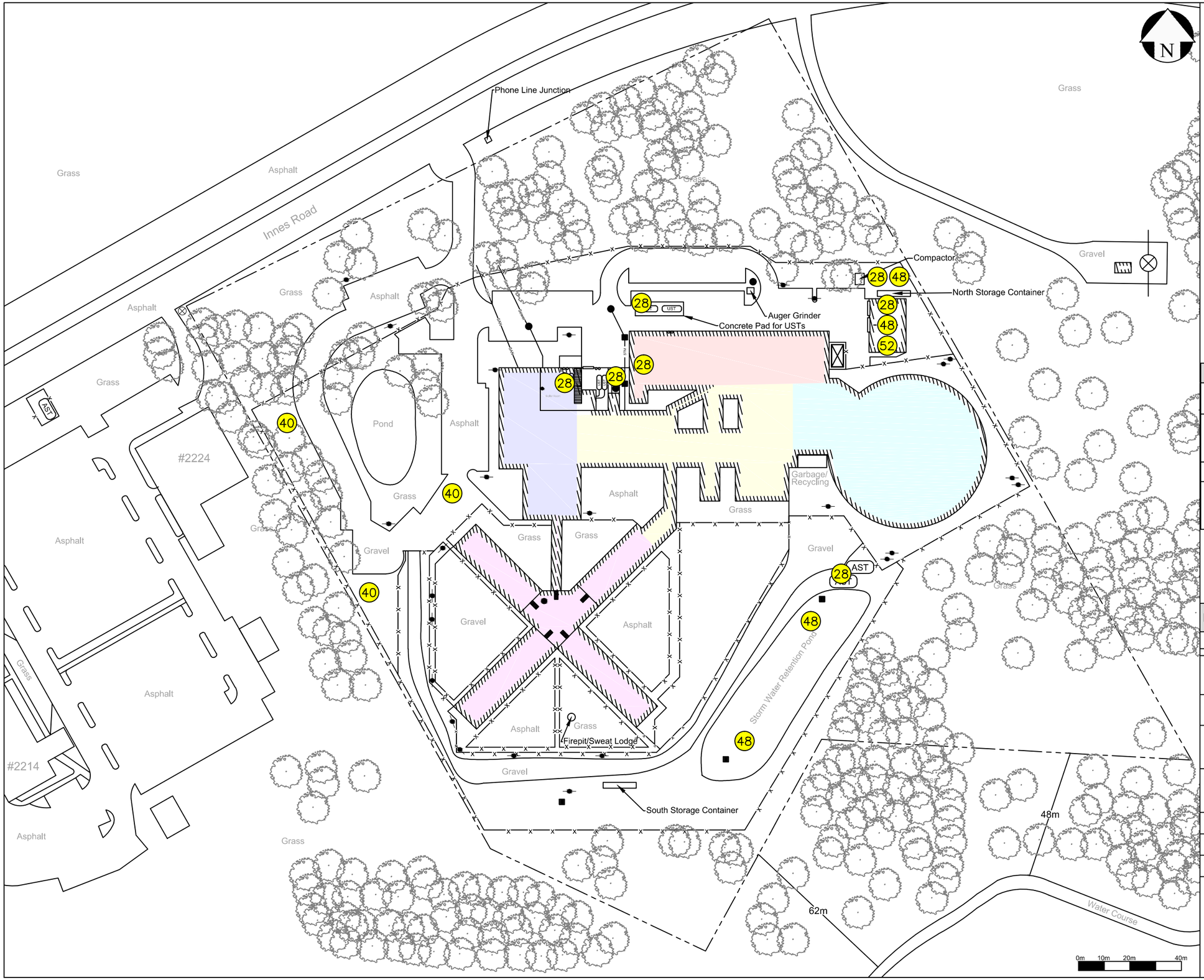
LOCATION: 2244 Innes Road, Ottawa, Ontario

PROJECT: Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders

PROJECT NUMBER:	DATE:	DRW BY:
16868	November 2016	CAB
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	**SCALE:** As Noted	**CHK BY:** LD

ECOH
Environmental Consulting
Occupational Health



Legend

- Approximate Phase One Property Boundary
- Existing Building
- Cell Tower
- Light Post
- Hydro Pole
- AST — Aboveground Storage Tank
- Manhole
- Catch Basin
- Electrical Transformer
- Security Fence
- Interceptor
- 00 — PCA Which Results in an APEC

PCA Item	MOECC Description
28	Gasoline and Associated Products Storage in Fixed Tanks
40	Pesticides (Including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
48	Salt Manufacturing, Processing and Bulk Storage
52	Storage, Maintenance, Fueling and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 6

On-Site PCA Plan

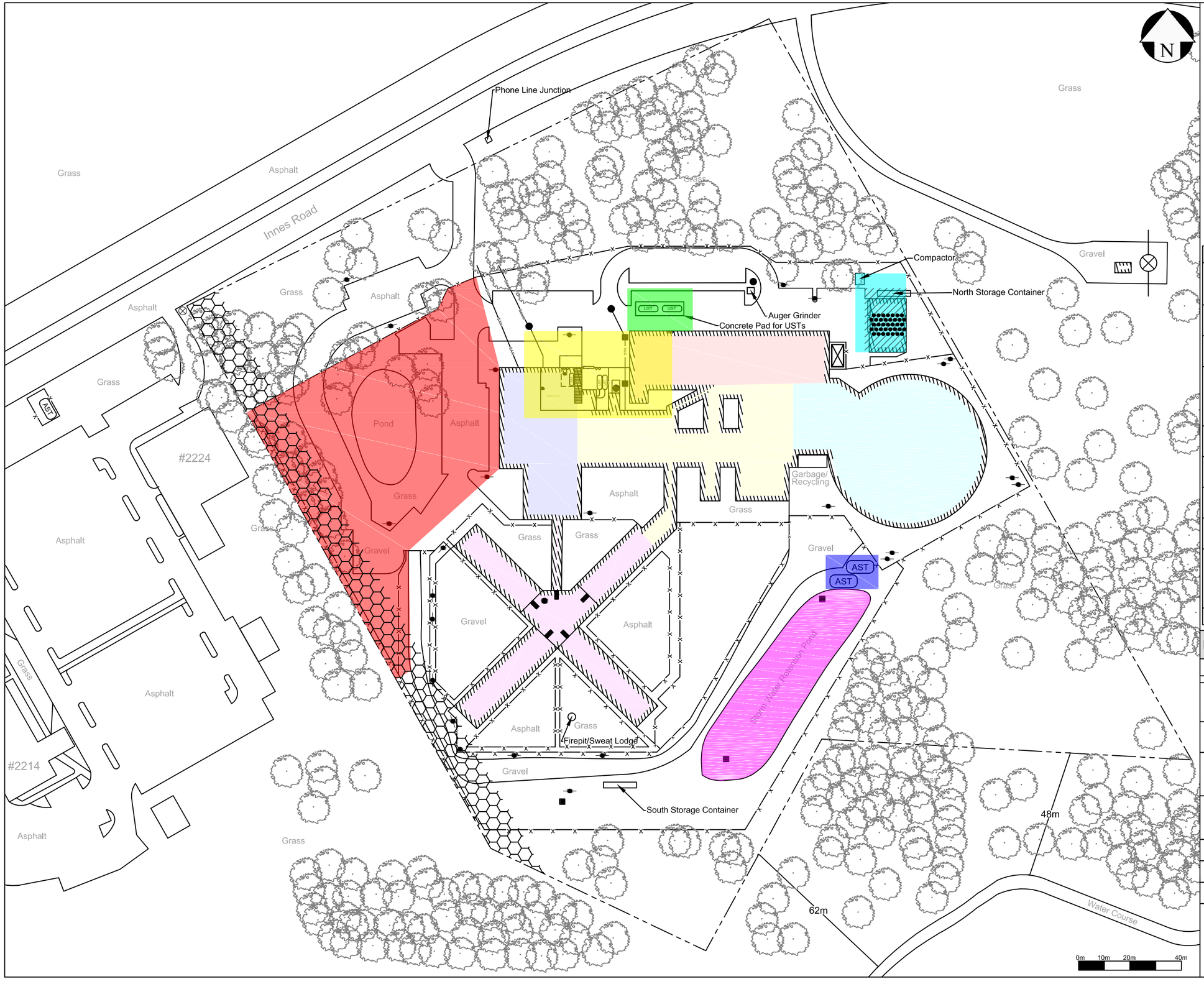
LOCATION: 2244 Innes Road, Ottawa, Ontario

PROJECT: Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders

PROJECT NUMBER:	DATE:	DRW BY:
16868	November 2016	CAB
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	**SCALE:** As Noted	**CHK BY:** LD

ECOH
Environmental Consulting
Occupational Health



Legend

- Approximate Phase One Property Boundary
- Existing Building
- Cell Tower
- Light Post
- Hydro Pole
- AST — Aboveground Storage Tank
- Manhole
- Catch Basin
- Electrical Transformer
- Security Fence
- Interceptor

APEC	Hatch	MOECC Description
APEC 1	All Parking Lot and Walkway Areas	48 - Salt Manufacturing, Processing and Bulk Storage
APEC 2		28 - Gasoline and Associated Products Storage in Fixed Tanks
APEC 3		28 - Gasoline and Associated Products Storage in Fixed Tanks
APEC 4		40 - Pesticides (Including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
APEC 5		28 - Gasoline and Associated Products Storage in Fixed Tanks
APEC 6		48 - Salt Manufacturing, Processing and Bulk Storage
APEC 7		28 - Gasoline and Associated Products Storage in Fixed Tanks
APEC 8		48 - Salt Manufacturing, Processing and Bulk Storage
APEC 9		52 - Storage, Maintenance, Fueling and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems
APEC 10		

Rev.	Details	Date	Initials
-	Original Issue	Nov. 2016	CAB

Figure 7

APEC Plan

LOCATION: 2244 Innes Road
Ottawa, Ontario

PROJECT:
Phase One Environmental Site Assessment

CLIENT: Colliers Project Leaders

PROJECT NUMBER:	DATE:	DRW BY:
16868	November 2016	CAB
CAD FILE: FIG1-5 P16868 Phase One 2244 Innes Road	**SCALE:** As Noted	**CHK BY:** LD

ECOH
Environmental Consulting
Occupational Health

Appendix A
Fire Insurance Maps

opta
INFORMATION INTELLIGENCE

enviroscan

An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Anthony

Site Address:

2244 Innes Road Ottawa ON Canada

Project No:

16868

Opta Order ID:

28369

Requested by:

Laura Dimand

ECOH management Inc.

Date Completed:

8/2/2016 9:24:25 AM

Project Name: OttawaCarelton Detention Centre

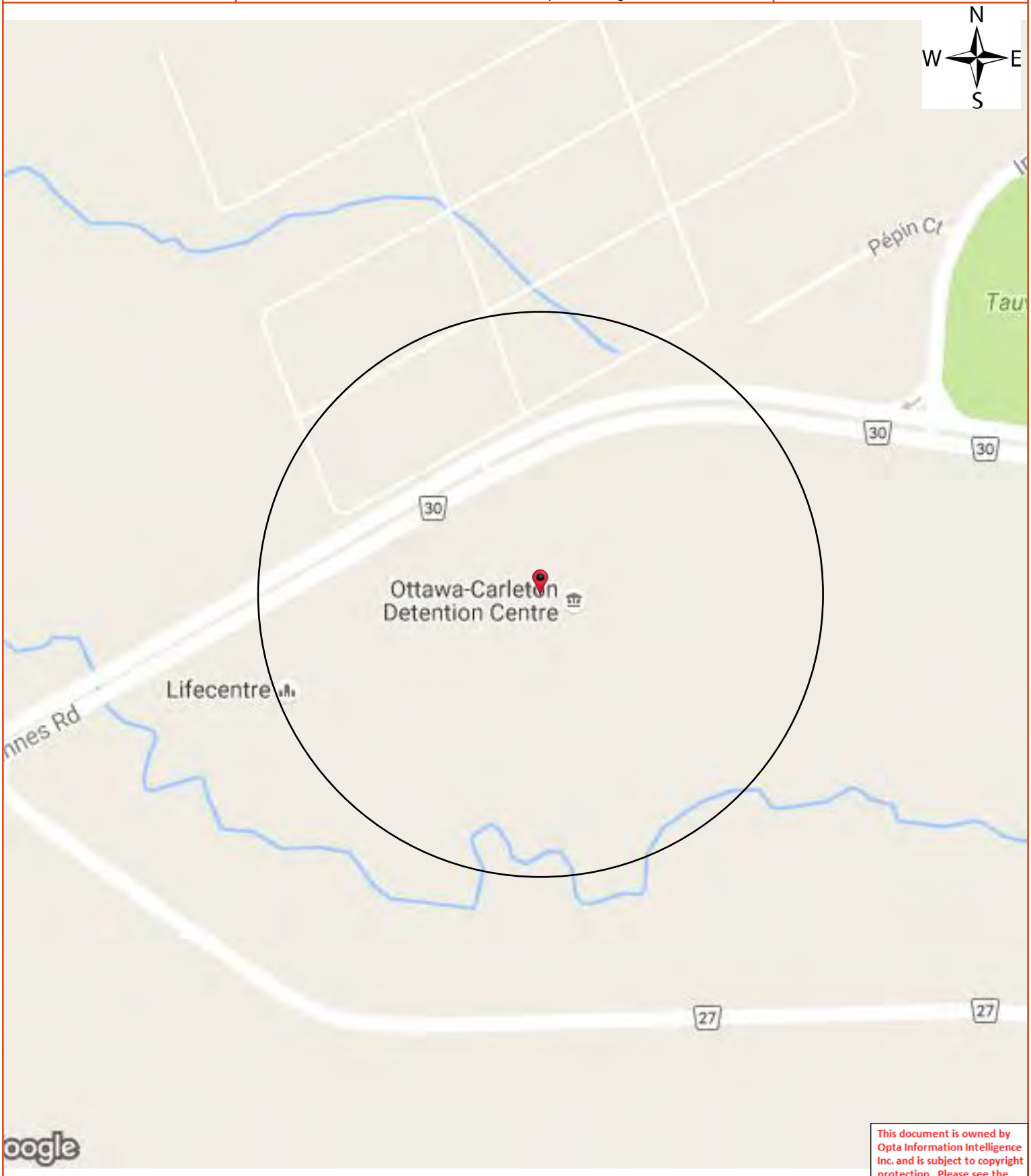
Project #: 16868

ENVIROSCAN Report

Search Area: 2244 Innes Road Ottawa ON Canada

Requested by:
Laura Dimand
Date Completed: August 2, 2016 09:24:25

enviroscan
OPTA INFORMATION INTELLIGENCE



Opta Historical Environmental Services Enviroscan™ Terms and Conditions

Report

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

Disclaimer

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

Entire Agreement

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

Governing Document

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

Law

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

Appendix B
Chain of Title Search

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

PROPERTY DESCRIPTION: PT LTS 16, 17 AND 18 CON 3OF GLOUCESTER, PTS 1 TO 17, 5R244 EXCEPT PTS 3, 4 & 5, 5R13863, PT 4, 5R14019, PTS 2, 3, 4, 6, 8 & 9, 5R14042 EXCEPT PARTS 3, 4, 5, 6 AND 7 PLAN 4R28729; S/T GL50956, N604213, N616415, N622934; CITY OF OTTAWA

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
DIVISION FROM 04757-0001

PIN CREATION DATE:
2015/06/24

OWNERS' NAMES
NATIONAL CAPITAL COMMISSION

CAPACITY SHARE
ROWN

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *						
** AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 1999/11/22 **						
GL50956	1953/09/01	TRANSFER EASEMENT			THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO	C
GL61898	1959/08/07	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL62006	1959/08/20	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL64830	1960/09/30	TRANSFER	$11,000		NATIONAL CAPITAL COMMISSION	C
GL65100	1960/11/02	TRANSFER	$33,000		NATIONAL CAPITAL COMMISSION	C
	REMARKS: PLAN ATTACHED					
GL65256	1960/11/30	TRANSFER	$10,500		NATIONAL CAPITAL COMMISSION	C
GL65630	1961/02/01	TRANSFER	$146,400		NATIONAL CAPITAL COMMISSION	C

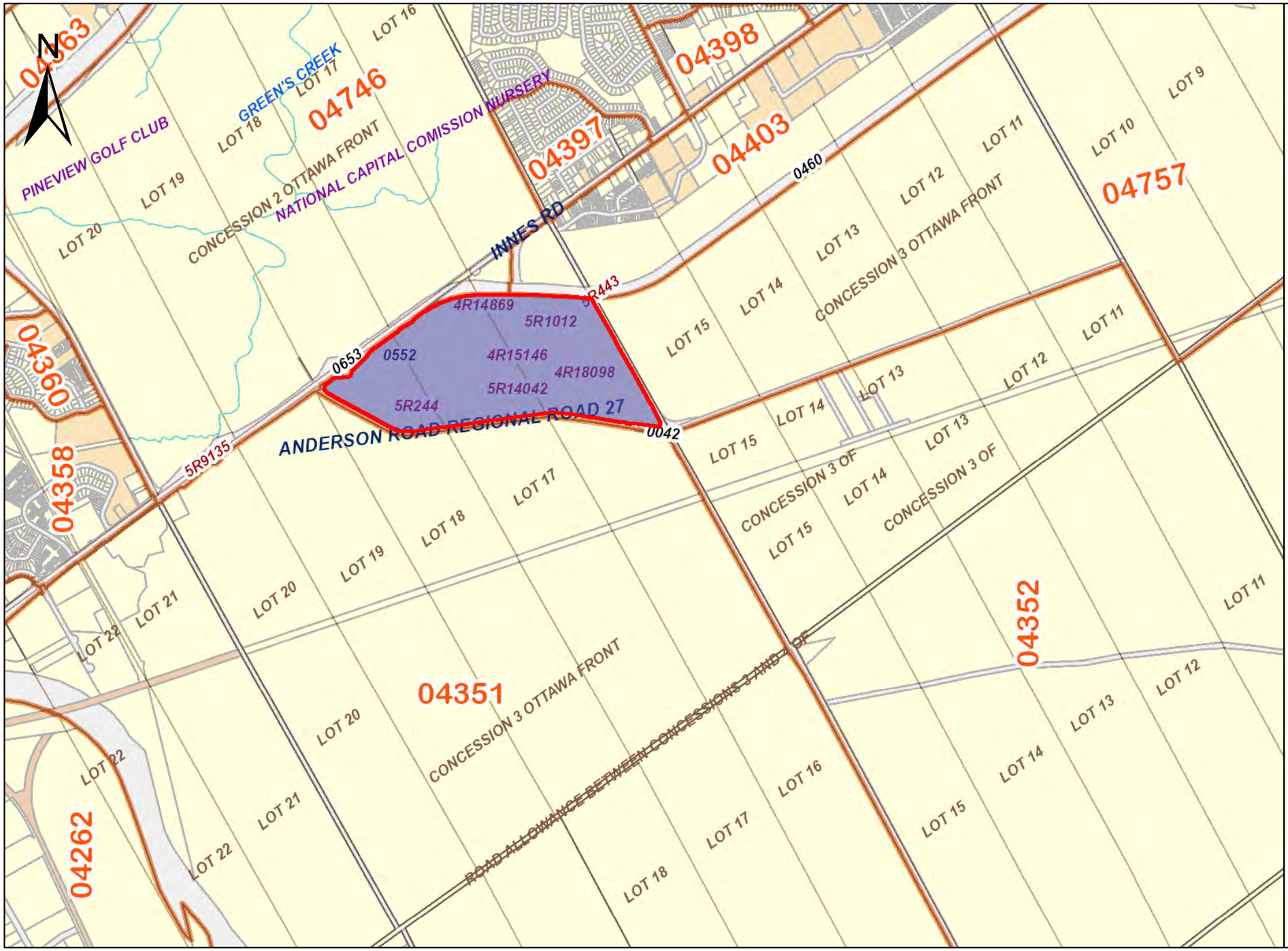
NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
GL66449	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66450	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66452	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66453	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66454	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66456	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66457	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66458	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66459	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66460	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66462	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66626	1961/06/13	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL66904	1961/06/23	PLAN EXPROPRIATION			NATIONAL CAPITAL COMMISSION	C
GL84872	1968/09/13	TRANSFER	$1		NATIONAL CAPITAL COMMISSION	C
	REMARKS: PLAN ATTACHED					
CT106203	1969/06/26	LEASE			BIO BREEDING LABORATORIES OF CANADA LIMITED	C
CT107360	1969/07/17	AGREEMENT				C
	REMARKS: SKETCH ATTACHED.					
CT133888	1971/05/04	LEASE			HER MAJESTY THE QUEEN	C
5R244	1972/01/19	PLAN REFERENCE				C
5R1012	1974/01/11	PLAN REFERENCE				C

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

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
NS39968	1978/12/15	DEBENTURE	$250,000		THE ROYAL BANK OF CANADA	C
NS126549	1981/08/06	ASSIGNMENT LEASE			MINI-PERIPHERALS INC.	C
	REMARKS: CT106203					
NS126550	1981/08/06	DEBENTURE	$500,000		CANADIAN IMPERIAL BANK OF COMMERCE	C
NS145971	1982/03/23	ASSIGNMENT LEASE			CANADIAN IMPERIAL BANK OF COMMERCE	C
	REMARKS: CT106203					
N330701	1986/04/01	CHARGE	$306,000		TURNKEY SYSTEM LEASING CANADA LIMITED	C
N427494	1988/02/16	ASSIGNMENT LEASE			PENTECOSTAL ASSEMBLES OF CANADA	C
	REMARKS: CT106203					
N427496	1988/02/16	CERTIFICATE				C
	REMARKS: N427494					
5R13869	1990/08/09	PLAN REFERENCE				C
5R14019	1990/10/16	PLAN REFERENCE				C
5R14042	1990/10/24	PLAN REFERENCE				C
N595523	1991/10/22	AGREEMENT			THE CORPORATION OF THE CITY OF GLOUCESTER	C
	REMARKS: CT106203					
N604213	1992/01/10	TRANSFER EASEMENT			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
N611242	1992/03/16	AGREEMENT			THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
	REMARKS: CONSTRUCTION					
N611398	1992/03/18	AGREEMENT				C
N615268	1992/04/24	AGREEMENT			HER MAJESTY THE QUEEN IN RIGHT (ONTARIO)	C
N616415	1992/05/01	TRANSFER EASEMENT	$1		THE CITY OF GLOUCESTER	C
N619032	1992/05/27	AGREEMENT				C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
N622934	1992/06/25	TRANSFER EASEMENT	$1		THE REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	C
N631080	1992/08/28	ASSIGNMENT GENERAL				C
	REMARKS: CT106203					
N631082	1992/08/28	AGREEMENT				C
4R14869	1999/07/13	PLAN REFERENCE				C
4R15146	1999/10/21	PLAN REFERENCE				C
OC52762	2002/03/19	NO ASSG LESSEE INT		EASTERN ONTARIO AND QUEBEC DISTRICT OF THE PENTECOSTAL ASSEMBLIES OF CANADA	THE LIFE CENTRE CHRISTIAN FELLOWSHIP	C
	REMARKS: CT106203, N427494, N631080					
OC58188	2002/04/05	NO ASSG LESSEE INT	$2	THE LIFE CENTRE CHRISTIAN FELLOWSHIP	NATIONAL BANK OF CANADA	C
	REMARKS: CT106203. N427494, N631080					
4R18098	2002/11/08	PLAN REFERENCE				C
OC1724817	2015/09/24	NO ASSG LESSEE INT	$1	NATIONAL BANK OF CANADA	THE LIFE CENTRE CHRISTIAN FELLOWSHIP	C
	REMARKS: CT106203.					
OC1724818	2015/09/24	NO ASSGN RENT GEN		THE LIFE CENTRE CHRISTIAN FELLOWSHIP	THE TORONTO-DOMINION BANK	C
	REMARKS: OC1724817					



ServiceOntario

PRINTED ON 06 SEP, 2016 AT 10:39:46
FOR EEGOOLAB

SCALE

0 240 480 720 960 meters

PROPERTY INDEX MAP

OTTAWA-CARLETON(No. 04)

LEGEND

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

THIS IS NOT A PLAN OF SURVEY

NOTES

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

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

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED

Ontario

Appendix C
EcoLog ERIS Report and Information

ENVIRONMENTAL RISK INFORMATION SERVICE

DATABASE REPORT

Project Property:	*Ottawa -Carleton Detention Centre* *2244 Innes Rd* *Ottawa ON K1B4C4*
Project No:	*16868*
Report Type:	*RSC Report - Quote*
Order No:	*20160713066*
Requested by:	*ECOH Management Inc.*
Date Completed:	*July 18, 2016*

Ecolog ERIS Ltd.
Environmental Risk Information Service Ltd. (ERIS)
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Ottawa -Carleton Detention Centre* *2244 Innes Rd Ottawa ON K1B4C4*
Project No:	*16868*

Order Information:

Order No:	*20160713066*
Date Requested:	*July 13, 2016*
Requested by:	*ECOH Management Inc.*
Report Type:	*RSC Report - Quote*

Additional Products:

Aerial Photographs	*National Collection - Digital (PDF)*
City Directory Search	*Subject Site plus 5 Adjacent Properties*
Topographic Map	*Ontario Base Map (OBM)*
Topographic Map	*National Topographic Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	2	36	38
CA	Certificates of Approval	Y	1	0	1
CFOT	Commercial Fuel Oil Tanks	Y	2	0	2
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	1	1
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	1	0	1
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	14	0	14
GHG	Greehouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
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

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
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
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	1	1
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	1	1	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	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	38	40
	Total:		23	77	100

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	BORE		ON	-/0.0	6.93	21
1	WWIS		lot 16 con 3 ON	-/0.0	6.94	21
7	CA	Ottawa Carleton Detention Centre	2244 Innes Rd Gloucester Ottawa ON	-/0.0	5.54	22
7	CFOT	OTTAWA CARLETON DETENTION CENTRE	2244 INNES RD OTTAWA ON K1B 4C4	-/0.0	5.54	22
7	CFOT	OTTAWA CARLETON DETENTION CENTRE	2244 INNES RD OTTAWA ON K1B 4C4	-/0.0	5.54	22
7	GEN	MINISTRY (SEE & USE ON1964226) 27-554	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RD., C/O P.O. BAG 2008 KEMPTVILLE ON K0G 1J0	-/0.0	5.54	23
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON K1B 4C4	-/0.0	5.54	23
7	GEN	MINISTRY (SEE & USE ON1964226)	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES ROAD KEMPTVILLE ON K0G 1J0	-/0.0	5.54	24
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	-/0.0	5.54	24
7	GEN	Infrastructure Ontario	2244 Innes Road Ottawa ON	-/0.0	5.54	25
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	-/0.0	5.54	25
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 INNES ROAD OTTAWA ON K1B 4C4	-/0.0	5.54	26
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	-/0.0	5.54	26
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	-/0.0	5.54	27
7	GEN	OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	-/0.0	5.54	27
7	GEN	MINISTRY OF GOVERNMENT SERVICES	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RD., C/O P.O. BAG 2008	-/0.0	5.54	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
			KEMPTVILLE ON K0G 1J0			
7	GEN	ONTARIO REALTY CORPORATION	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RAOD GLOUCESTER ON	-/0.0	5.54	28
7	GEN	MINISTRY OF GOVERNMENT SERVICES 27-554	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RD., C/O P.O. BAG 2008 KEMPTVILLE ON K0G 1J0	-/0.0	5.54	28
7	GEN	ONTARIO REALTY CORPORATION	2244 INNES RAOD OTTAWA CARLETON DETENTION CENTRE GLOUCESTER ON	-/0.0	5.54	29
7	SPL	Waste Management of Canada Corporation	2244 Innes Road Ottawa ON	-/0.0	5.54	29
10	FCS		Ottawa ON	-/0.0	8.32	29
11	WWIS		lot 16 con 3 ON	-/0.0	10.84	30
23	BORE		ON	-/0.0	-8.35	30

Executive Summary: Site Report Summary - Surrounding *Properties*

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	BORE		ON	N/12.0	7.25	31
2	WWIS		lot 17 con 3 ON	N/12.0	7.25	31
3	BORE		ON	NNE/33.7	8.73	32
4	BORE		ON	N/37.1	7.44	33
5	BORE		ON	NNW/14.0	5.25	33
6	BORE		ON	SE/31.5	8.76	33
6	WWIS		lot 16 con 3 ON	SE/31.5	8.77	34
8	WWIS		OTTAWA ON	N/83.7	8.25	35
9	BORE		ON	NE/29.8	10.70	35
12	BORE		ON	WNW/21.0	5.66	36
13	BORE		ON	N/171.6	10.95	36
13	WWIS		lot 16 con 3 ON	N/171.6	10.94	37
14	BORE		ON	NNE/173.3	10.60	37
15	BORE		ON	ENE/33.1	11.25	38
16	EHS		Pepin Crt & Innes Rd Ottawa ON	NNE/211.8	11.25	38
17	BORE		ON	WNW/17.3	6.25	38
18	BORE		ON	WSW/33.3	6.17	39
19	WWIS		lot 2 con 6 Ottawa ON	SE/115.8	11.25	39
20	BORE		ON	N/284.2	11.25	40
21	BORE		ON	W/17.5	4.13	40
22	SPL	Hydro Ottawa Limited	2180 Desjardins Street, Ottawa 2180 DESJARDINS STREET, OTTAWA<UNOFFICIAL> Ottawa ON K1C 7G4	ESE/26.4	11.25	41

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
24	BORE		ON	WNW/35.8	3.36	41
25	BORE		ON	ENE/128.9	11.43	42
26	BORE		ON	WNW/66.5	5.40	43
27	BORE		ON	WSW/85.2	6.00	43
28	BORE		ON	WNW/112.0	6.25	44
29	PES	A. PAUL'S SEASONAL MAINTENANCE	2187 DESJARDINS STREET GLOUCESTER ON K1C 7G4	SE/179.3	10.25	4
30	BORE		ON	W/37.5	-8.89	45
31	BORE		ON	W/54.5	-9.75	46
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	46
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	47
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	47
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	48
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	48
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	49
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	49
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	50
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	51
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	51
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	52
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	53
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	53
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	54
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	54
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	55
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	55

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	56
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	56
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	57
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	57
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	58
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	59
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	59
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	60
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	60
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	61
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	61
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	62
32	WWIS		lot 16 con 3 ON	SE/158.5	10.56	63
33	WWIS		lot 15 con 3 ON	ESE/68.8	8.66	63
34	BORE		ON	W/35.5	2.32	64
35	BORE		ON	ENE/273.5	11.25	64
36	BORE		ON	W/7.7	6.26	65
37	BORE		ON	W/30.7	6.14	65
38	BORE		ON	W/84.2	-3.46	66
39	BORE		ON	W/85.2	-3.42	67
40	WWIS		lot 15 con 3 ON	ESE/147.0	9.95	67
41	BORE		ON	W/81.7	6.25	68
42	WWIS		OTTAWA ON	ESE/132.0	10.20	68
43	BORE		ON	W/113.5	8.25	69
44	BORE		ON	W/148.9	8.11	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
45	BORE		ON	W/158.6	8.25	70
46	BORE		ON	W/218.7	7.25	70
47	BORE		ON	W/249.7	6.25	71
48	BORE		ON	W/256.4	6.25	71
49	BORE		ON	W/237.2	3.28	72
50	BORE		ON	W/283.7	6.25	73

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 38 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	0.0	1
	ON	12.0	2
	ON	33.7	3
	ON	37.1	4
	ON	14.0	5
	ON	31.5	6
	ON	29.8	9
	ON	21.0	12
	ON	171.6	13
	ON	173.3	14
	ON	33.1	15
	ON	17.3	17
	ON	33.3	18
	ON	284.2	20
	ON	17.5	21
	ON	0.0	23
	ON	35.8	24

Site	Address	Distance (m)	Map Key
	ON	128.9	25
	ON	66.5	26
	ON	85.2	27
	ON	112.0	28
	ON	37.5	30
	ON	54.5	31
	ON	35.5	34
	ON	273.5	35
	ON	7.7	36
	ON	30.7	37
	ON	84.2	38
	ON	85.2	39
	ON	81.7	41
	ON	113.5	43
	ON	148.9	44
	ON	158.6	45
	ON	218.7	46
	ON	249.7	47
	ON	256.4	48
	ON	237.2	49
	ON	283.7	50

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Ottawa Carleton Detention Centre	2244 Innes Rd Gloucester Ottawa ON	0.0	7

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated 1948-Dec 2015 has found that there are 2 CFOT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OTTAWA CARLETON DETENTION CENTRE	2244 INNES RD OTTAWA ON K1B 4C4	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 INNES RD OTTAWA ON K1B 4C4	0.0	7

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2014 has found that there are 1 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Pepin Crt & Innes Rd Ottawa ON	211.8	16

FCS - Contaminated Sites on Federal Land

A search of the FCS database, dated June 2000-Oct 2015 has found that there are 1 FCS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	Ottawa ON	0.0	10

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-May 2015 has found that there are 14 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	0.0	7

Site	Address	Distance (m)	Map Key
Infrastructure Ontario	2244 Innes Road Ottawa ON	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	0.0	7
MINISTRY (SEE & USE ON1964226)	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES ROAD KEMPTVILLE ON K0G 1J0	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON K1B 4C4	0.0	7
MINISTRY (SEE & USE ON1964226) 27-554	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RD., C/O P.O. BAG 2008 KEMPTVILLE ON K0G 1J0	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	0.0	7
MINISTRY OF GOVERNMENT SERVICES	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RD., C/O P.O. BAG 2008 KEMPTVILLE ON K0G 1J0	0.0	7
ONTARIO REALTY CORPORATION	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RAOD GLOUCESTER ON	0.0	7
MINISTRY OF GOVERNMENT SERVICES 27-554	OTTAWA-CARLTON DETENTION CENTRE 2244 INNES RD., C/O P.O. BAG 2008 KEMPTVILLE ON K0G 1J0	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 INNES ROAD OTTAWA ON K1B 4C4	0.0	7
ONTARIO REALTY CORPORATION	2244 INNES RAOD OTTAWA CARLETON DETENTION CENTRE GLOUCESTER ON	0.0	7
OTTAWA CARLETON DETENTION CENTRE	2244 Innes Rd. Ottawa ON	0.0	7

PES - Pesticide Register

A search of the PES database, dated 1988-Jun 2013 has found that there are 1 PES site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
A. PAUL'S SEASONAL MAINTENANCE	2187 DESJARDINS STREET GLOUCESTER ON K1C 7G4	179.3	29

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2015 has found that there are 2 SPL site(s) within

approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Waste Management of Canada Corporation	2244 Innes Road Ottawa ON	0.0	7
Hydro Ottawa Limited	2180 Desjardins Street, Ottawa 2180 DESJARDINS STREET, OTTAWA<UNOFFICIAL> Ottawa ON K1C 7G4	26.4	22

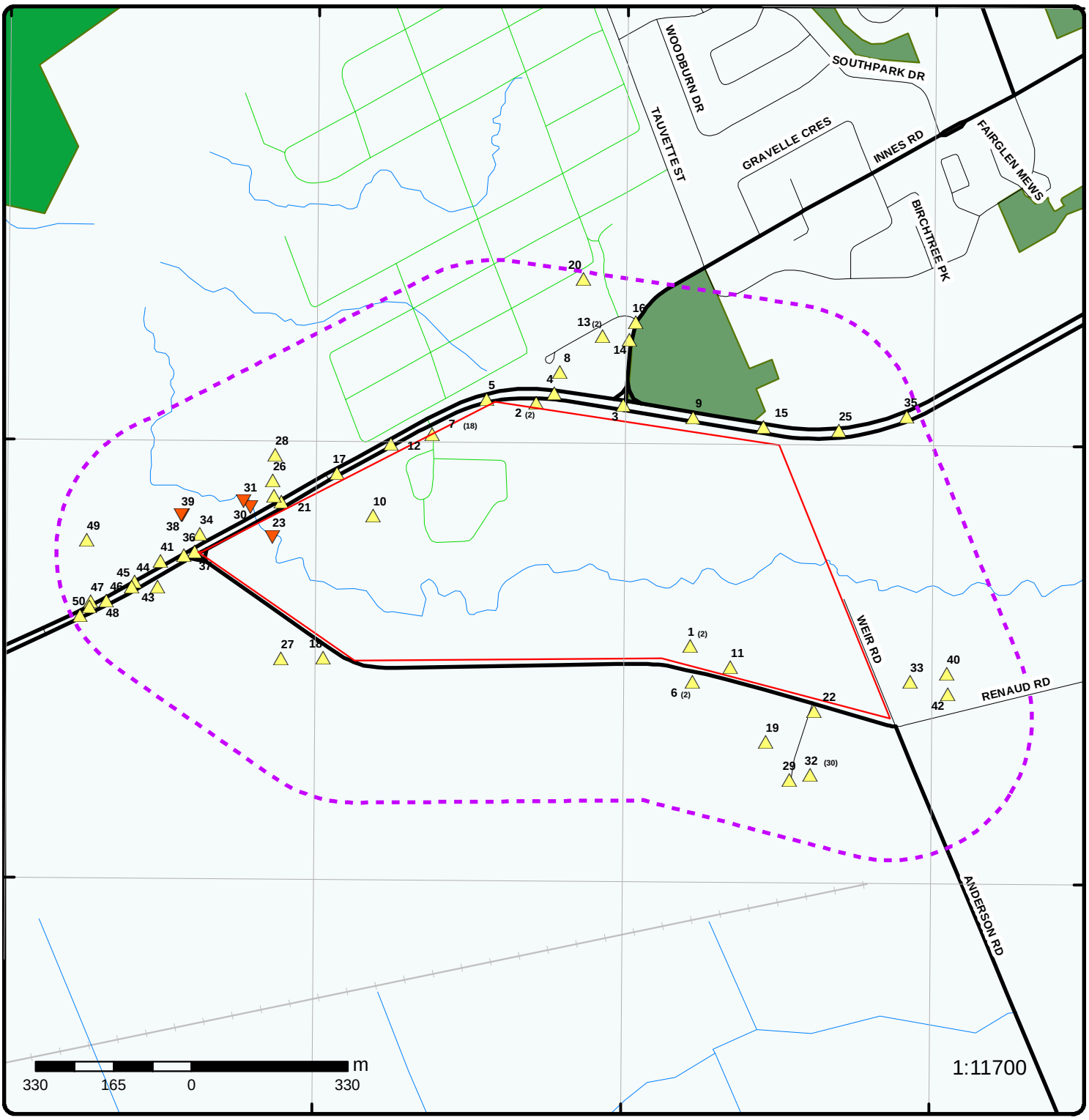
WWIS - Water Well Information System

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 40 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 16 con 3 ON	0.0	1
	lot 17 con 3 ON	12.0	2
	lot 16 con 3 ON	31.5	6
	OTTAWA ON	83.7	8
	lot 16 con 3 ON	0.0	11
	lot 16 con 3 ON	171.6	13
	lot 2 con 6 Ottawa ON	115.8	19
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32

Site	Address	Distance (m)	Map Key
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 16 con 3 ON	158.5	32
	lot 15 con 3 ON	68.8	33

Site	Address	Distance (m)	Map Key
	lot 15 con 3 ON	147.0	40
	OTTAWA ON	132.0	42



Map

Order No: 20160713066

Address: 2244 Innes Rd, Ottawa, ON, K1B4C4

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

Aerial

Order No: 20160713066

Address: 2244 Innes Rd, Ottawa, ON, K1B4C4

Source: ESRI World Imagery, Updated October 2014

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 2	-/0.0	65.7	ON	BORE

Borehole ID:	615033	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	455156	**Northing:**	5029897
Location Accuracy:		**Orig. Ground Elev m:**	68.6
Elev. Reliability Note:		**DEM Ground Elev m:**	67.4
Total Depth m:	29	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	NOV-1953	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400206	**Top Depth(m):**	0.0
Bottom Depth(m):	3.0	**Stratum Desc:**	CLAY. WHITE.
+			
Stratum ID:	218400207	**Top Depth(m):**	3.0
Bottom Depth(m):	28.7	**Stratum Desc:**	CLAY. BLUE.
+			
Stratum ID:	218400208	**Top Depth(m):**	28.7
Bottom Depth(m):	29.0	**Stratum Desc:**	GRAVEL. 00094CK. SHALE. GREY. 00127WEATHERED. UNSPECIFIED. DENSE. 00010 012 000

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	2 of 2	-/0.0	65.7	lot 16 con 3 ON	WWIS

Well ID:	1501484	**Lot:**	016
Concession:	03	**Concession Name:**	OF
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455155.8	**Northing Nad83:**	5029897
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Domestic	**Construction Date:**	01-NOV-53
Sec. Water Use:		**Well Depth:**	95 ft
Pump Rate:	2 GPM	**Static Water Level:**	45 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Cable Tool	**Flowing (y/n):**	N
Elevation (m):	67.44	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden

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

Water Type:	SALTY	**Casing Material:**	SULPHUR
--- Details ---			
Thickness:	10 ft	**Original Depth:**	10 ft
Material Colour:	RED	**Material:**	CLAY
+			
Thickness:	84 ft	**Original Depth:**	94 ft
Material Colour:	BLUE	**Material:**	CLAY
+			
Thickness:	1 ft	**Original Depth:**	95 ft
Material Colour:		**Material:**	GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	1 of 18	-/0.0	64.3	**Ottawa Carleton Detention Centre** **2244 Innes Rd Gloucester** **Ottawa ON**	CA

Certificate #:	8383-85UQF4
Application Year:	2010
Issue Date:	5/31/2010
Approval Type:	Air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	2 of 18	-/0.0	64.3	**OTTAWA CARLETON DETENTION CENTRE** **2244 INNES RD** **OTTAWA ON K1B 4C4**	CFOT

Registration No.:	
Licence No.:	
Tank Size:	35000
Instance Number:	60633662
Facility Type:	FS Fuel Oil Tank
Status Name:	Active
Corrosion Protection:	Fiberglass
Fuel Type:	Fuel Oil
Year Installed:	2001
Tank Material:	Fiberglass (FRP)
Distributor:	
Contact Name:	
Contact Address:	
Contact Address2:	
Contact City:	
Comments:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	3 of 18	-/0.0	64.3	**OTTAWA CARLETON DETENTION CENTRE** **2244 INNES RD** **OTTAWA ON K1B 4C4**	CFOT

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

Registration No.:
Licence No.:
Tank Size: 15000
Instance Number: 60633663
Facility Type: FS Fuel Oil Tank
Status Name: Active
Corrosion Protection: Fiberglass
Fuel Type: Fuel Oil
Year Installed: 2001
Tank Material: Fiberglass (FRP)
Distributor:
Contact Name:
Contact Address:
Contact Address2:
Contact City:
Comments:

7	***4 of 18***	***-/0.0***	***64.3***	***MINISTRY (SEE & USE ON1964226) 27-554*** ***OTTAWA-CARLTON DETENTION CENTRE*** ***2244 INNES RD., C/O P.O. BAG 2008*** ***KEMPTVILLE ON K0G 1J0***	***GEN***

Generator #: ON0123923
Approval Yrs: 92,93,96,97
SIC Code: 8122
SIC Description: CORRECTIONAL SERV.

--- Details ---
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

7	***5 of 18***	***-/0.0***	***64.3***	***OTTAWA CARLETON DETENTION CENTRE*** ***2244 Innes Rd.*** ***Ottawa ON K1B 4C4***	***GEN***

Generator #: ON0134818
Approval Yrs: As of May 2015
SIC Code:
SIC Description:

--- Details ---
Waste Code: 252
Waste Description: Waste crankcase oils and lubricants
+
Waste Code: 212
Waste Description: Aliphatic solvents and residues
+
Waste Code: 243
Waste Description: PCB
+
Waste Code: 261

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

Waste Description: Pharmaceuticals
+
Waste Code: 121
Waste Description: Alkaline slutions - containing heavy metals
+
Waste Code: 312
Waste Description: Pathological wastes
+
Waste Code: 145
Waste Description: Wastes from the use of pigments, coatings and paints
+
Waste Code: 112
Waste Description: Acid solutions - containing heavy metals
+
Waste Code: 146
Waste Description: Other specified inorganic sludges, slurries or solids

---

7	***6 of 18***	***-/0.0***	***64.3***	***MINISTRY (SEE & USE ON1964226)*** ***OTTAWA-CARLTON DETENTION CENTRE*** ***2244 INNES ROAD*** ***KEMPTVILLE ON K0G 1J0***	***GEN***

Generator #: ON0123923
Approval Yrs: 98
SIC Code: 8122
SIC Description: CORRECTIONAL SERV.

--- Details ---
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

7	***7 of 18***	***-/0.0***	***64.3***	***OTTAWA CARLETON DETENTION CENTRE*** ***2244 Innes Rd.*** ***Ottawa ON***	***GEN***

Generator #: ON0134818
Approval Yrs: 2009
SIC Code: 912120
SIC Description: Provincial Correctional Services

--- Details ---
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 243

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

Waste Description: PCBS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 261
Waste Description: PHARMACEUTICALS
+
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

7	***8 of 18***	***-/0.0***	***64.3***	***Infrastructure Ontario*** ***2244 Innes Road*** ***Ottawa ON***	***GEN***

Generator #: ON9413593
Approval Yrs: As of May 2015
SIC Code:
SIC Description:

--- Details ---
Waste Code: 221
Waste Description: Light fuels

7	***9 of 18***	***-/0.0***	***64.3***	***OTTAWA CARLETON DETENTION CENTRE*** ***2244 Innes Rd.*** ***Ottawa ON***	***GEN***

Generator #: ON0134818
Approval Yrs: 2011
SIC Code: 912120
SIC Description: Provincial Correctional Services

--- Details ---
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 243
Waste Description: PCBS
+
Waste Code: 261
Waste Description: PHARMACEUTICALS
+
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES
+
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	10 of 18	-/0.0	64.3	OTTAWA CARLETON DETENTION CENTRE 2244 INNES ROAD OTTAWA ON K1B 4C4	GEN

Generator #: ON0134818
Approval Yrs: 94,95,96,97,98,99,00,01,02,03,04,05,06,07,08
SIC Code: 8629
SIC Description: OTHE HEA./SOC. SERV.

--- Details ---
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 261
Waste Description: PHARMACEUTICALS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	11 of 18	-/0.0	64.3	OTTAWA CARLETON DETENTION CENTRE 2244 Innes Rd. Ottawa ON	GEN

Generator #: ON0134818
Approval Yrs: 2013
SIC Code: 912120
SIC Description:

--- Details ---
Waste Code: 243
Waste Description: PCBS
+
Waste Code: 261
Waste Description: PHARMACEUTICALS
+
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES
+

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

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

---

7 **12 of 18** **-/0.0** **64.3** **OTTAWA CARLETON DETENTION CENTRE** **GEN**
2244 Innes Rd.
Ottawa ON

Generator #: ON0134818
Approval Yrs: 2010
SIC Code: 912120
SIC Description: Provincial Correctional Services

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS
+
Waste Code: 261
Waste Description: PHARMACEUTICALS
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES
+
Waste Code: 243
Waste Description: PCBS

---

7 **13 of 18** **-/0.0** **64.3** **OTTAWA CARLETON DETENTION CENTRE** **GEN**
2244 Innes Rd.
Ottawa ON

Generator #: ON0134818
Approval Yrs: 2012
SIC Code: 912120
SIC Description: Provincial Correctional Services

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 261
Waste Description: PHARMACEUTICALS
+
Waste Code: 112

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

Waste Description: ACID WASTE - HEAVY METALS
+
Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS
+
Waste Code: 243
Waste Description: PCBS
+
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES
+
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
+
Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

7	***14 of 18***	***-/0.0***	***64.3***	***MINISTRY OF GOVERNMENT SERVICES*** ***OTTAWA-CARLTON DETENTION CENTRE*** ***2244 INNES RD., C/O P.O. BAG 2008*** ***KEMPTVILLE ON K0G 1J0***	***GEN***

Generator #: ON0123923
Approval Yrs: 89,90
SIC Code: 8122
SIC Description: CORRECTIONAL SERV.

--- Details ---
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

7	***15 of 18***	***-/0.0***	***64.3***	***ONTARIO REALTY CORPORATION*** ***OTTAWA-CARLTON DETENTION CENTRE*** ***2244 INNES RAOD*** ***GLOUCESTER ON***	***GEN***

Generator #: ON1964226
Approval Yrs: 99,00,01
SIC Code: 8222
SIC Description: CORRECTIONAL SERV.

--- Details ---
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

7	***16 of 18***	***-/0.0***	***64.3***	***MINISTRY OF GOVERNMENT SERVICES*** ***27-554*** ***OTTAWA-CARLTON DETENTION CENTRE*** ***2244 INNES RD., C/O P.O. BAG 2008*** ***KEMPTVILLE ON K0G 1J0***	***GEN***

Generator #: ON0123923
Approval Yrs: 94,95

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

SIC Code: 8122
SIC Description: CORRECTIONAL SERV.

--- Details ---
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	17 of 18	-/0.0	64.3	ONTARIO REALTY CORPORATION 2244 INNES RAOD OTTAWA CARLETON DETENTION CENTRE GLOUCESTER ON	GEN

Generator #: ON1964226
Approval Yrs: 96,97,98
SIC Code: 8222
SIC Description: CORRECTIONAL SERV.

--- Details ---
Waste Code: 243
Waste Description: PCB'S
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	18 of 18	-/0.0	64.3	Waste Management of Canada Corporation 2244 Innes Road Ottawa ON	SPL

Ref NO: 8272-7DGJVW
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 4 L
Incident Cause: Pipe Or Hose Leak
Incident Dt:
Incident Reason: Unknown - Reason not determined
Incident Summary: Waste Management: hydraulic oil to ground, contained
MOE Reported Dt: 4/7/2008
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Other Motor Vehicle
Site Municipality: Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	1 of 1	-/0.0	67.1	Ottawa ON	FCS

Location:
Site Name: Innes Road, east of Anderson
Departmental Id: 456
Site Id: 00023370
Property No.: 1130

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

Municipality:	Ottawa
Census Division:	Ottawa
Federal Electoral District:	Ottawa--Orléans
Nearest Populated Area:	
Longitude:	-75.581779
Latitude:	45.423605
Reporting Organization:	National Capital Commission
Reason for Involvement:	Federal Real Property
Est m³ Contaminated:	
Est Ha Contaminated:	
Est Tons Contaminated:	
Site Management Strategy:	Assessment
Highest Step Completed:	Initial Testing Program
Action Plan:	
Additional Info:	

---

11 | ***1 of 1*** | ***-/0.0*** | ***69.6*** | ***lot 16 con 3 ON*** | ***WWIS***

Well ID:	1511653	**Lot:**	016
Concession:	03	**Concession Name:**	OF
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455240.8	**Northing Nad83:**	5029852
Zone:	18	**Utm Reliability:**	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	**Construction Date:**	24-DEC-71
Sec. Water Use:		**Well Depth:**	101 ft
Pump Rate:	4 GPM	**Static Water Level:**	22 ft
Flow Rate:		**Clear/Cloudy:**	CLOUDY
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.64	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH

--- Details ---

Thickness:	65 ft	**Original Depth:**	65 ft
Material Colour:	GREY	**Material:**	CLAY
+			
Thickness:	29 ft	**Original Depth:**	94 ft
Material Colour:		**Material:**	HARDPAN
+			
Thickness:	7 ft	**Original Depth:**	101 ft
Material Colour:		**Material:**	SAND, GRAVEL

---

23 | ***1 of 1*** | ***-/0.0*** | ***50.4*** | ***ON*** | ***BORE***

Borehole ID:	805689	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454273.03	**Northing:**	5030128.31
Location Accuracy:		**Orig. Ground Elev m:**	48.5

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

Elev. Reliability Note:		**DEM Ground Elev m:**	47.4
Total Depth m:	6.7	**Primary Name:**	BH.B-4
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	20-JAN-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218585784	**Top Depth(m):**	0.0
Bottom Depth(m):	1.2	**Stratum Desc:**	Grey-Brown Stiff Alluvium Silty Clay With: Sa Trace: Org M
+			
Stratum ID:	218585785	**Top Depth(m):**	1.2
Bottom Depth(m):	1.6	**Stratum Desc:**	Grey-Brown Stiff Silty Clay Occasional: Sa
+			
Stratum ID:	218585786	**Top Depth(m):**	1.6
Bottom Depth(m):	6.7	**Stratum Desc:**	Grey Silty Clay Occasional: Sa

---

2	***1 of 2***	***N/12.0***	***66.0***	***ON***	***BORE***

Borehole ID:	615069	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	454831	**Northing:**	5030412
Location Accuracy:		**Orig. Ground Elev m:**	68.6
Elev. Reliability Note:		**DEM Ground Elev m:**	68.2
Total Depth m:	48.5	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	MAY-1949	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400322	**Top Depth(m):**	0.0
Bottom Depth(m):	1.8	**Stratum Desc:**	SAND. YELLOW.
+			
Stratum ID:	218400323	**Top Depth(m):**	1.8
Bottom Depth(m):	33.2	**Stratum Desc:**	CLAY. BLUE.
+			
Stratum ID:	218400324	**Top Depth(m):**	33.2
Bottom Depth(m):	48.5	**Stratum Desc:**	SLATE. BLACK. 001590 FEET.BEDROCK. 00086CK. 45030RED. 0000500400030054019010

2	***2 of 2***	***N/12.0***	***66.0***	***lot 17 con 3 ON***	***WWIS***

Well ID:	1501477	**Lot:**	017
Concession:	03	**Concession Name:**	OF

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

County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	454830.8	**Northing Nad83:**	5030412
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Industrial	**Construction Date:**	06-MAY-49
Sec. Water Use:		**Well Depth:**	159 ft
Pump Rate:		**Static Water Level:**	15 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Cable Tool	**Flowing (y/n):**	N
Elevation (m):	68.22	**Elevation Reliability:**	
Depth to Bedrock:	109	**Overburden/Bedrock:**	Bedrock
Water Type:	SULPHUR	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	6 ft	**Original Depth:**	6 ft
Material Colour:	YELLOW	**Material:**	MEDIUM SAND
+			
Thickness:	103 ft	**Original Depth:**	109 ft
Material Colour:	BLUE	**Material:**	CLAY
+			
Thickness:	50 ft	**Original Depth:**	159 ft
Material Colour:	BLACK	**Material:**	SLATE

---

3 **1 of 1** **NNE/33.7** **67.5** **ON** **BORE**

Borehole ID:	804450	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	455015.21	**Northing:**	5030405.92
Location Accuracy:		**Orig. Ground Elev m:**	70
Elev. Reliability Note:		**DEM Ground Elev m:**	69.3
Total Depth m:	3.7	**Primary Name:**	BH.3
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	1
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580662	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580663	**Top Depth(m):**	0.3
Bottom Depth(m):	0.6	**Stratum Desc:**	Brown Loose Silt - Sand
+			
Stratum ID:	218580664	**Top Depth(m):**	0.6
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Very Stiff Weathered Crust Silty Clay

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	1 of 1	N/37.1	66.2	ON	BORE

Borehole ID:	804449	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454868.34	**Northing:**	5030431.66
Location Accuracy:		**Orig. Ground Elev m:**	68.4
Elev. Reliability Note:		**DEM Ground Elev m:**	68.5
Total Depth m:	1.5	**Primary Name:**	AH.2
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580660	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580661	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	1 of 1	NNW/14.0	64.0	ON	BORE

Borehole ID:	804448	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454725.65	**Northing:**	5030419.82
Location Accuracy:		**Orig. Ground Elev m:**	68.6
Elev. Reliability Note:		**DEM Ground Elev m:**	68.5
Total Depth m:	1.5	**Primary Name:**	AH.1
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580658	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580659	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	1 of 2	SE/31.5	67.5	ON	BORE

Borehole ID:	615024	**Type:**	Borehole

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

Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	455161	**Northing:**	5029822
Location Accuracy:		**Orig. Ground Elev m:**	68.6
Elev. Reliability Note:		**DEM Ground Elev m:**	68.6
Total Depth m:	50.3	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	APR-1956	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400175	**Top Depth(m):**	0.0
Bottom Depth(m):	1.8	**Stratum Desc:**	SAND. WHITE.
+			
Stratum ID:	218400176	**Top Depth(m):**	1.8
Bottom Depth(m):	30.5	**Stratum Desc:**	CLAY. BLUE.
+			
Stratum ID:	218400177	**Top Depth(m):**	30.5
Bottom Depth(m):	31.1	**Stratum Desc:**	SAND. BLACK.
+			
Stratum ID:	218400178	**Top Depth(m):**	31.1
Bottom Depth(m):	50.3	**Stratum Desc:**	SHALE. GREY. 00165BROWN. 00127NSE. UNSPECIFIED. DENSE. 00010 012 00025 020 0006

6	2 of 2	SE/31.5	67.5	lot 16 con 3 ON	WWIS

Well ID:	1501485	**Lot:**	016
Concession:	03	**Concession Name:**	OF
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455160.8	**Northing Nad83:**	5029822
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Domestic	**Construction Date:**	21-APR-56
Sec. Water Use:		**Well Depth:**	165 ft
Pump Rate:	8 GPM	**Static Water Level:**	30 ft
Flow Rate:		**Clear/Cloudy:**	CLOUDY
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Cable Tool	**Flowing (y/n):**	N
Elevation (m):	68.62	**Elevation Reliability:**	
Depth to Bedrock:	102	**Overburden/Bedrock:**	Bedrock
Water Type:	SALTY	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	6 ft	**Original Depth:**	6 ft
Material Colour:	RED	**Material:**	MEDIUM SAND
+			
Thickness:	94 ft	**Original Depth:**	100 ft

Material Colour:	BLUE	**Material:**	CLAY
+			
Thickness:	2 ft	**Original Depth:**	102 ft
Material Colour:	BLACK	**Material:**	FINE SAND
+			
Thickness:	63 ft	**Original Depth:**	165 ft
Material Colour:	GREY	**Material:**	SHALE

---

8 **1 of 1** **N/83.7** **67.0** **WWIS**

OTTAWA ON

Well ID:	1535303	**Lot:**	
Concession:		**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	OTTAWA CITY
Easting Nad83:	454880	**Northing Nad83:**	5030477
Zone:	18	**Utm Reliability:**	margin of error : 10 - 30 m
Primary Water Use:	Commerical	**Construction Date:**	30-AUG-04
Sec. Water Use:		**Well Depth:**	
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Abandoned-Other
Construction Method:		**Flowing (y/n):**	
Elevation (m):	68.52	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	No formation data
Water Type:		**Casing Material:**	Not stated

---

9 **1 of 1** **NE/29.8** **69.5** **BORE**

ON

Borehole ID:	804454	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	455162.11	**Northing:**	5030379.69
Location Accuracy:		**Orig. Ground Elev m:**	70
Elev. Reliability Note:		**DEM Ground Elev m:**	68.6
Total Depth m:	1.5	**Primary Name:**	AH.6
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	1.3
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580676	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580677	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay

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

12 **1 of 1** **WNW/21.0** **64.4** **ON** **BORE**

Borehole ID:	809534	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454523.75	**Northing:**	5030324.6
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	67.5
Total Depth m:	1.5	**Primary Name:**	AH.R-4
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-FEB-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218600389	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt
+			
Stratum ID:	218600390	**Top Depth(m):**	0.1
Bottom Depth(m):	0.2	**Stratum Desc:**	Grey Crushed Stone
+			
Stratum ID:	218600391	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown Fill-Misc Sand - Gravel With: Si
+			
Stratum ID:	218600392	**Top Depth(m):**	0.9
Bottom Depth(m):	1.5	**Stratum Desc:**	Dark Light Brown to Brown Silt - Sand

13 **1 of 2** **N/171.6** **69.7** **ON** **BORE**

Borehole ID:	615078	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	454971	**Northing:**	5030552
Location Accuracy:		**Orig. Ground Elev m:**	70.1
Elev. Reliability Note:		**DEM Ground Elev m:**	69.5
Total Depth m:	19.8	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	NOV-1961	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400347	**Top Depth(m):**	0.0
Bottom Depth(m):	19.8	**Stratum Desc:**	CLAY. BLUE. BLACK. 00052. BEDROCK. 00035 010 WEATHERED.

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				000100140008910030R	

13 **2 of 2** **N/171.6** **69.7** **lot 16 con 3 ON** **WWIS**

Well ID:	1501487	**Lot:**	016
Concession:	03	**Concession Name:**	OF
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	454970.8	**Northing Nad83:**	5030552
Zone:	18	**Utm Reliability:**	margin of error : 100 m - 300 m
Primary Water Use:		**Construction Date:**	30-NOV-61
Sec. Water Use:		**Well Depth:**	65 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Abandoned-Supply
Construction Method:	Boring	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	SULPHUR

--- Details ---

Thickness:	65 ft	**Original Depth:**	65 ft
Material Colour:	BLUE	**Material:**	CLAY

14 **1 of 1** **NNE/173.3** **69.4** **ON** **BORE**

Borehole ID:	804452	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	455028.25	**Northing:**	5030545.16
Location Accuracy:		**Orig. Ground Elev m:**	69.9
Elev. Reliability Note:		**DEM Ground Elev m:**	69.7
Total Depth m:	1.5	**Primary Name:**	AH.4
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580668	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580669	**Top Depth(m):**	0.2
Bottom Depth(m):	0.4	**Stratum Desc:**	Brown Silty Clay With: Sa
+			
Stratum ID:	218580670	**Top Depth(m):**	0.4
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay

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

15 **1 of 1** **ENE/33.1** **70.0** **ON** **BORE**

Borehole ID:	804455	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	455310.85	**Northing:**	5030360.42
Location Accuracy:		**Orig. Ground Elev m:**	69.3
Elev. Reliability Note:		**DEM Ground Elev m:**	68.5
Total Depth m:	1.5	**Primary Name:**	AH.7
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580678	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580679	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay

16 **1 of 1** **NNE/211.8** **70.0** **Pepin Crt & Innes Rd Ottawa ON** **EHS**

Addit. Info Ordered:	
Order No.:	20010820005
Report Date:	8/28/01
Report Type:	Basic Report
Search Radius (km):	0.40

17 **1 of 1** **WNW/17.3** **65.0** **ON** **BORE**

Borehole ID:	809533	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454409.88	**Northing:**	5030262.24
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	65
Total Depth m:	2.7	**Primary Name:**	BH.R-3
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-FEB-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218600386	**Top Depth(m):**	0.0

Bottom Depth(m):	0.1	**Stratum Desc:**	Grey Crushed Stone
+			
Stratum ID:	218600387	**Top Depth(m):**	0.1
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Fill-Misc Silty Clay With: Gr Trace: Brk Frag
+			
Stratum ID:	218600388	**Top Depth(m):**	1.5
Bottom Depth(m):	2.7	**Stratum Desc:**	Grey-Brown Silty Clay

---

18 **1 of 1** **WSW/33.3** **64.9** **ON** **BORE**

Borehole ID:	615029	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	454381	**Northing:**	5029872
Location Accuracy:		**Orig. Ground Elev m:**	67.1
Elev. Reliability Note:		**DEM Ground Elev m:**	67.2
Total Depth m:	-999	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:		**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400191	**Top Depth(m):**	0.0
Bottom Depth(m):	33.5	**Stratum Desc:**	UNSPECIFIED.
+			
Stratum ID:	218400192	**Top Depth(m):**	33.5
Bottom Depth(m):		**Stratum Desc:**	BEDROCK. . BLACK. 00095GREY. 000730165BROWN. 00127NSE. UNSPECIFIED. DENSE. 000

---

19 **1 of 1** **SE/115.8** **70.0** **lot 2 con 6 Ottawa ON** **WWIS**

Well ID:	7111915	**Lot:**	002
Concession:	06	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455316	**Northing Nad83:**	5029694
Zone:	18	**Utm Reliability:**	margin of error : 10 - 30 m
Primary Water Use:	Not Used	**Construction Date:**	15-MAY-08
Sec. Water Use:		**Well Depth:**	m
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Abandoned-Quality
Construction Method:	Digging	**Flowing (y/n):**	
Elevation (m):	69.79	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	

Water Type: **Casing Material:**

--- Details ---

Thickness: m **Original Depth:** m

Material Colour: **Material:**

---

20 **1 of 1** **N/284.2** **70.0** **BORE**

ON

Borehole ID: 615080 **Type:** Borehole
Use: **Status:**
Drill Method: **UTM Zone:** 18
Easting: 454931 **Northing:** 5030672
Location Accuracy: **Orig. Ground Elev m:** 70.1
Elev. Reliability Note: **DEM Ground Elev m:** 69.2
Total Depth m: -999 **Primary Name:**
Township: **Concession:**
Lot: **Municipality:**
Completion Date: **Static Water Level:** -999.9
Primary Water Use: **Sec. Water Use:**

--- Details ---

Stratum ID: 218400350 **Top Depth(m):** 0.0
Bottom Depth(m): 33.5 **Stratum Desc:** UNSPECIFIED.
+
Stratum ID: 218400351 **Top Depth(m):** 33.5
Bottom Depth(m): **Stratum Desc:** BEDROCK. 52. BEDROCK. 00035 010 WEATHERED. 000100140008910030RED. 000050040

---

21 **1 of 1** **W/17.5** **62.9** **BORE**

ON

Borehole ID: 805686 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status:**
Drill Method: Hollow stem auger **UTM Zone:** 18
Easting: 454292.35 **Northing:** 5030202.44
Location Accuracy: **Orig. Ground Elev m:** 60.1
Elev. Reliability Note: **DEM Ground Elev m:** 61.8
Total Depth m: 35.2 **Primary Name:** BH.B-3
Township: **Concession:**
Lot: **Municipality:**
Completion Date: 22-JAN-1988 **Static Water Level:** 5.4
Primary Water Use: **Sec. Water Use:**

--- Details ---

Stratum ID: 218585770 **Top Depth(m):** 0.0
Bottom Depth(m): 0.4 **Stratum Desc:** Brown Fill-Misc Sand - Gravel Trace: Cob
+

Stratum ID:	218585771	**Top Depth(m):**	0.4
Bottom Depth(m):	2.1	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay
+			
Stratum ID:	218585772	**Top Depth(m):**	2.1
Bottom Depth(m):	12.0	**Stratum Desc:**	Grey Stiff Silty Clay Trace: Org M Occasional: F Sa
+			
Stratum ID:	218585773	**Top Depth(m):**	12.0
Bottom Depth(m):	24.0	**Stratum Desc:**	Grey Stiff Silty Clay Trace: Org M Occasional: F Sa
+			
Stratum ID:	218585774	**Top Depth(m):**	24.0
Bottom Depth(m):	29.8	**Stratum Desc:**	Grey Stiff Silty Clay Trace: Org M Occasional: F Sa
+			
Stratum ID:	218585775	**Top Depth(m):**	29.8
Bottom Depth(m):	32.5	**Stratum Desc:**	Dark Grey Compact Till sand silt With: Cl W Gr
+			
Stratum ID:	218585776	**Top Depth(m):**	32.5
Bottom Depth(m):	35.2	**Stratum Desc:**	Dark Grey Bedrock Shale

---

22 **1 of 1** **ESE/26.4** **70.0** **SPL**

Hydro Ottawa Limited
2180 Desjardins Street, Ottawa 2180
DESJARDINS STREET,
OTTAWA<UNOFFICIAL>
Ottawa ON K1C 7G4

Ref NO:	3135-6QM4VA
Contaminant Code:	15
Contaminant Name:	TRANSFORMER OIL (N.O.S.)
Contaminant Quantity:	90 L
Incident Cause:	Other Discharges
Incident Dt:	6/9/2006
Incident Reason:	
Incident Summary:	Hydro Ottawa: 90 L non-PCB transformer oil to Desjardins St
MOE Reported Dt:	6/9/2006
Environmental Impact:	Possible
Nature of Impact:	Soil Contamination
Receiving Medium:	Land
SAC Action Class:	
Sector Source Type:	Transformer
Site Municipality:	Ottawa

---

24 **1 of 1** **WNW/35.8** **62.1** **BORE**

ON

Borehole ID:	803031	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454276.27	**Northing:**	5030214.74
Location Accuracy:		**Orig. Ground Elev**	65.5

		m:	
Elev. Reliability Note:		**DEM Ground Elev m:**	60.9
Total Depth m:	24.1	**Primary Name:**	BH.85-1
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-APR-1985	**Static Water Level:**	.1
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218574642	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Grey Crushed Stone
+			
Stratum ID:	218574643	**Top Depth(m):**	0.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Very Stiff Fill-Misc Silty Clay With: Sa Trace: Gr
+			
Stratum ID:	218574644	**Top Depth(m):**	1.5
Bottom Depth(m):	1.7	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218574645	**Top Depth(m):**	1.7
Bottom Depth(m):	2.0	**Stratum Desc:**	Brown Very Loose Silt - Sand
+			
Stratum ID:	218574646	**Top Depth(m):**	2.0
Bottom Depth(m):	4.0	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218574647	**Top Depth(m):**	4.0
Bottom Depth(m):	17.7	**Stratum Desc:**	Grey Firm to Stiff Silty Clay
+			
Stratum ID:	218574648	**Top Depth(m):**	17.7
Bottom Depth(m):	24.1	**Stratum Desc:**	Grey Stiff to Very Stiff Silty Clay

---

25 **1 of 1** **ENE/128.9** **70.2** **ON** **BORE**

Borehole ID:	804456	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	455470.21	**Northing:**	5030352.94
Location Accuracy:		**Orig. Ground Elev m:**	70.5
Elev. Reliability Note:		**DEM Ground Elev m:**	66.1
Total Depth m:	1.5	**Primary Name:**	AH.8
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218580680	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil

+

Stratum ID:	218580681	**Top Depth(m):**	0.3
Bottom Depth(m):	1.1	**Stratum Desc:**	Brown Silt - Sand

+

Stratum ID:	218580682	**Top Depth(m):**	1.1
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Silty Clay With: Sa

---

26 **1 of 1** **WNW/66.5** **64.1** **ON** **BORE**

Borehole ID:	808252	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454274.46	**Northing:**	5030248.27
Location Accuracy:		**Orig. Ground Elev m:**	65.4
Elev. Reliability Note:		**DEM Ground Elev m:**	61.3
Total Depth m:	10.4	**Primary Name:**	BH 03-8
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	01-OCT-2003	**Static Water Level:**	3.7
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218595838	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil

+

Stratum ID:	218595839	**Top Depth(m):**	0.2
Bottom Depth(m):	0.4	**Stratum Desc:**	Yellowish Brown Silt - Sand

+

Stratum ID:	218595840	**Top Depth(m):**	0.4
Bottom Depth(m):	2.1	**Stratum Desc:**	Grey-Brown Very Stiff Weathered Crust Silty Clay

+

Stratum ID:	218595841	**Top Depth(m):**	2.1
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Stiff Weathered Crust Silty Clay

+

Stratum ID:	218595842	**Top Depth(m):**	3.7
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey Stiff Silty Clay

---

27 **1 of 1** **WSW/85.2** **64.7** **ON** **BORE**

Borehole ID:	803494	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454291.67	**Northing:**	5029871.01
Location Accuracy:		**Orig. Ground Elev m:**	67
Elev. Reliability Note:		**DEM Ground Elev m:**	66.7

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

Total Depth m:	30.9	**Primary Name:**	BH 85-5
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	19-FEB-1986	**Static Water Level:**	3.6
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218576698	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Dark Brown Topsoil Sand
+			
Stratum ID:	218576699	**Top Depth(m):**	0.2
Bottom Depth(m):	1.1	**Stratum Desc:**	Brown Compact Sand
+			
Stratum ID:	218576700	**Top Depth(m):**	1.1
Bottom Depth(m):	2.1	**Stratum Desc:**	Grey-Brown Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218576701	**Top Depth(m):**	2.1
Bottom Depth(m):	8.7	**Stratum Desc:**	Grey-Brown Firm to Stiff Silty Clay
+			
Stratum ID:	218576702	**Top Depth(m):**	8.7
Bottom Depth(m):	12.2	**Stratum Desc:**	Grey Stiff Silty Clay Trace: Org M
+			
Stratum ID:	218576705	**Top Depth(m):**	20.0
Bottom Depth(m):	28.0	**Stratum Desc:**	Grey Stiff Silty Clay With: Org M Trace: F Sa
+			
Stratum ID:	218576706	**Top Depth(m):**	28.0
Bottom Depth(m):	30.9	**Stratum Desc:**	Till
+			
Stratum ID:	218576704	**Top Depth(m):**	16.3
Bottom Depth(m):	20.0	**Stratum Desc:**	Grey Stiff Silty Clay With: Org M Trace: F Sa
+			
Stratum ID:	218576703	**Top Depth(m):**	12.2
Bottom Depth(m):	16.3	**Stratum Desc:**	Grey Stiff Silty Clay

---

28 **1 of 1** **WNW/112.0** **65.0** **ON** **BORE**

Borehole ID:	808251	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454278.83	**Northing:**	5030301.68
Location Accuracy:		**Orig. Ground Elev m:**	65.8
Elev. Reliability Note:		**DEM Ground Elev m:**	63.8
Total Depth m:	5.8	**Primary Name:**	BH 03-7
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	01-OCT-2003	**Static Water Level:**	4.1

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

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

--- Details ---

Stratum ID:	218595832	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218595833	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	Yellowish Brown Silt - Sand
+			
Stratum ID:	218595834	**Top Depth(m):**	0.9
Bottom Depth(m):	3.0	**Stratum Desc:**	Grey-Brown Very Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218595835	**Top Depth(m):**	3.0
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218595836	**Top Depth(m):**	3.7
Bottom Depth(m):	4.0	**Stratum Desc:**	Grey Firm Silty Clay
+			
Stratum ID:	218595837	**Top Depth(m):**	4.0
Bottom Depth(m):	5.8	**Stratum Desc:**	Grey Stiff Silty Clay

---

29 **1 of 1** **SE/179.3** **69.0** **A. PAUL'S SEASONAL MAINTENANCE** **PES**
2187 DESJARDINS STREET
GLOUCESTER ON K1C 7G4

Licence No.:
Licence Type:

---

30 **1 of 1** **W/37.5** **49.9** **BORE**
ON

Borehole ID:	803047	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	454226.43	**Northing:**	5030191.17
Location Accuracy:		**Orig. Ground Elev m:**	48
Elev. Reliability Note:		**DEM Ground Elev m:**	46.9
Total Depth m:	3.7	**Primary Name:**	AH.85-5
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	07-MAY-1985	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218574715	**Top Depth(m):**	0.0
Bottom Depth(m):	1.1	**Stratum Desc:**	Grey-Brown Alluvium Silty Clay Trace: Sa Tr Org M
+			

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

Stratum ID:	218574716	**Top Depth(m):**	1.1
Bottom Depth(m):	1.8	**Stratum Desc:**	Grey Alluvium Silty Clay With: F Sa W Org M
+			
Stratum ID:	218574717	**Top Depth(m):**	1.8
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey Stiff Silty Clay Trace: Org M

---

31 **1 of 1** **W/54.5** **49.0** **ON** **BORE**

Borehole ID:	805692	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454212.18	**Northing:**	5030202.94
Location Accuracy:		**Orig. Ground Elev m:**	48.1
Elev. Reliability Note:		**DEM Ground Elev m:**	46.3
Total Depth m:	7.5	**Primary Name:**	BH.B-5
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	21-JAN-1988	**Static Water Level:**	1
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218585792	**Top Depth(m):**	0.0
Bottom Depth(m):	2.2	**Stratum Desc:**	Grey-Brown Stiff to Very Stiff Silty Clay With: Sa Trace: Org M
+			
Stratum ID:	218585793	**Top Depth(m):**	2.2
Bottom Depth(m):	7.5	**Stratum Desc:**	Grey Firm to Stiff Silty Clay

---

32 **1 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525872	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	59 GPM	**Static Water Level:**	10 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	21 ft	**Original Depth:**	21 ft

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

Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	4 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **2 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525879	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	26 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **3 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525859	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	09-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	FRESH, MINERIAL

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

--- Details ---			
Thickness:	8 ft	**Original Depth:**	8 ft
Material Colour:	BROWN	**Material:**	MEDIUM SAND
+			
Thickness:	10 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, SILT, LAYERED
+			
Thickness:	5 ft	**Original Depth:**	23 ft
Material Colour:	GREY	**Material:**	SILT, CLAY, LAYERED
+			
Thickness:	22 ft	**Original Depth:**	45 ft
Material Colour:	GREY	**Material:**	FINE GRAVEL, LAYERED, SILT
+			
Thickness:	13 ft	**Original Depth:**	58 ft
Material Colour:	GREY	**Material:**	MEDIUM GRAVEL, LAYERED, SILT
+			
Thickness:	12 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	MEDIUM GRAVEL, SILT, LAYERED

32	**4 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525871	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	30 GPM	**Static Water Level:**	7 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	20 ft	**Original Depth:**	20 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	5 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32	**5 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525885	**Lot:**	016

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

Concession:	03	**Concession Name:**	CON
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	16 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	22 ft	**Original Depth:**	22 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	3 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32	**6 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525882	**Lot:**	016
Concession:	03	**Concession Name:**	CON
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	16 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	21 ft	**Original Depth:**	21 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	4 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32	**7 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

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

Well ID:	1525868	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Industrial	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	7 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	8 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525858	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	10-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	8 ft	**Original Depth:**	8 ft
Material Colour:	BROWN	**Material:**	MEDIUM SAND
+			
Thickness:	10 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	MEDIUM SAND, LAYERED
+			
Thickness:	8 ft	**Original Depth:**	26 ft

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

Material Colour:	GREY	**Material:**	SILT, CLAY, LAYERED
+			
Thickness:	31 ft	**Original Depth:**	57 ft
Material Colour:	GREY	**Material:**	FINE GRAVEL, SILT, LAYERED
+			
Thickness:	13 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	MEDIUM GRAVEL, SILT, LAYERED

---

32 **9 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525877	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	20 GPM	**Static Water Level:**	4 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **10 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525860	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	09-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedroc**	Overburden

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

		k:	
Water Type:		**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	14 ft	**Original Depth:**	14 ft
Material Colour:		**Material:**	UNKNOWN TYPE
+			
Thickness:	3 ft	**Original Depth:**	17 ft
Material Colour:	BROWN	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	8 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	SILT, CLAY, LAYERED
+			
Thickness:	23 ft	**Original Depth:**	48 ft
Material Colour:	GREY	**Material:**	GRAVEL, SILT, LAYERED
+			
Thickness:	12 ft	**Original Depth:**	60 ft
Material Colour:	GREY	**Material:**	GRAVEL, MEDIUM GRAVEL, LAYERED
+			
Thickness:	10 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	GRAVEL, COARSE GRAVEL, LAYERED

32 **11 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525870	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	3 GPM	**Static Water Level:**	2 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	16 ft	**Original Depth:**	16 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	9 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	12 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525875	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	7 GPM	**Static Water Level:**	8 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	22 ft	**Original Depth:**	22 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	3 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	13 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525878	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	32 GPM	**Static Water Level:**	5 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	14 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525864	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	09-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	12 ft	**Original Depth:**	12 ft
Material Colour:	BROWN	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	18 ft	**Original Depth:**	30 ft
Material Colour:	GREY	**Material:**	GRAVEL, FINE GRAVEL, LAYERED
+			
Thickness:	26 ft	**Original Depth:**	56 ft
Material Colour:	GREY	**Material:**	GRAVEL, MEDIUM GRAVEL, LAYERED
+			
Thickness:	14 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	GRAVEL, COARSE GRAVEL, LAYERED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	15 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525881	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	30 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedroc**	Overburden

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

		k:	
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	20 ft	**Original Depth:**	20 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	5 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32 **16 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525869	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	13 GPM	**Static Water Level:**	4 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32 **17 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525874	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	13 GPM	**Static Water Level:**	8 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation**	

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

Depth to Bedrock:		**Reliability:**	
		Overburden/Bedrock:	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	20 ft	**Original Depth:**	20 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	5 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32	**18 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525884	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	23 GPM	**Static Water Level:**	8 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	21 ft	**Original Depth:**	21 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	4 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32	**19 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525876	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	3 GPM	**Static Water Level:**	4 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction	Rotary (Air)	**Flowing (y/n):**	N

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

Method:			
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	20 ft	**Original Depth:**	20 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	5 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

32	**20 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525862	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	10-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	FRESH, MINERIAL
--- Details ---			
Thickness:	17 ft	**Original Depth:**	17 ft
Material Colour:	BROWN	**Material:**	SAND, FINE SAND, SILT
+			
Thickness:	14 ft	**Original Depth:**	31 ft
Material Colour:	GREY	**Material:**	SILT, CLAY, LAYERED
+			
Thickness:	19 ft	**Original Depth:**	50 ft
Material Colour:	GREY	**Material:**	GRAVEL, FINE GRAVEL, SILT
+			
Thickness:	20 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	GRAVEL, MEDIUM GRAVEL, SILT

32	**21 of 30**	**SE/158.5**	**69.3**	**lot 16 con 3 ON**	**WWIS**

Well ID:	1525861	**Lot:**	016
Concession:	03	**Concession Name:**	

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

County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Observation Wells
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:	7	**Overburden/Bedrock:**	Mixed in a Layer
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	7 ft	**Original Depth:**	7 ft
Material Colour:	BROWN	**Material:**	SAND
+			
Thickness:	14 ft	**Original Depth:**	21 ft
Material Colour:	GREY	**Material:**	SAND, SANDSTONE
+			
Thickness:	7 ft	**Original Depth:**	28 ft
Material Colour:	GREY	**Material:**	CLAY, CLAY, SILT
+			
Thickness:	18 ft	**Original Depth:**	46 ft
Material Colour:	GREY	**Material:**	SILT, GRAVEL
+			
Thickness:	24 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	GRAVEL, GRAVEL, STONES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	22 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525863	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	10-SEP-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	FRESH, MINERIAL

--- Details ---

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

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	BROWN	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	6 ft	**Original Depth:**	24 ft
Material Colour:	GREY	**Material:**	SILT, CLAY, LAYERED
+			
Thickness:	24 ft	**Original Depth:**	48 ft
Material Colour:	GREY	**Material:**	GRAVEL, FINE GRAVEL, LAYERED
+			
Thickness:	22 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	GRAVEL, MEDIUM GRAVEL, LAYERED

---

32 **23 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525865	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	33 GPM	**Static Water Level:**	8 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	20 ft	**Original Depth:**	20 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	5 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **24 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525886	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	11-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	10 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR

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

Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	22 ft	**Original Depth:**	22 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	3 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **25 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525867	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	33 GPM	**Static Water Level:**	7 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **26 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525883	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft

Pump Rate:	10 GPM	**Static Water Level:**	6 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	21 ft	**Original Depth:**	21 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	4 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **27 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525873	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	4 GPM	**Static Water Level:**	9 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	21 ft	**Original Depth:**	21 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	4 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

---

32 **28 of 30** **SE/158.5** **69.3** **lot 16 con 3 ON** **WWIS**

Well ID:	1525857	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM

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

Primary Water Use:	Municipal	**Construction Date:**	10-JUL-91
Sec. Water Use:		**Well Depth:**	70 ft
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:		**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	BROWN	**Material:**	SAND, FINE SAND, SILT
+			
Thickness:	9 ft	**Original Depth:**	27 ft
Material Colour:	GREY	**Material:**	SILT, CLAY, LAYERED
+			
Thickness:	25 ft	**Original Depth:**	52 ft
Material Colour:	GREY	**Material:**	GRAVEL, FINE GRAVEL, SILT
+			
Thickness:	18 ft	**Original Depth:**	70 ft
Material Colour:	GREY	**Material:**	GRAVEL, MEDIUM GRAVEL, SILT

32	***29 of 30***	***SE/158.5***	***69.3***	***lot 16 con 3 ON***	***WWIS***

Well ID:	1525866	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	13-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	32 GPM	**Static Water Level:**	3 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	30 of 30	SE/158.5	69.3	lot 16 con 3 ON	WWIS

Well ID:	1525880	**Lot:**	016
Concession:	03	**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455410	**Northing Nad83:**	5029625
Zone:	18	**Utm Reliability:**	unknown UTM
Primary Water Use:	Municipal	**Construction Date:**	12-SEP-91
Sec. Water Use:		**Well Depth:**	25 ft
Pump Rate:	16 GPM	**Static Water Level:**	7 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	69.48	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden
Water Type:	FRESH	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	18 ft	**Original Depth:**	18 ft
Material Colour:	GREY	**Material:**	SAND, MEDIUM SAND
+			
Thickness:	7 ft	**Original Depth:**	25 ft
Material Colour:	GREY	**Material:**	CLAY, MEDIUM-GRAINED

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
33	1 of 1	ESE/68.8	67.4	lot 15 con 3 ON	WWIS

Well ID:	1512280	**Lot:**	015
Concession:	03	**Concession Name:**	OF
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455620.8	**Northing Nad83:**	5029822
Zone:	18	**Utm Reliability:**	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	**Construction Date:**	14-DEC-72
Sec. Water Use:		**Well Depth:**	415 ft
Pump Rate:	10 GPM	**Static Water Level:**	25 ft
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	68.96	**Elevation Reliability:**	
Depth to Bedrock:	113	**Overburden/Bedrock:**	Bedrock
Water Type:	SALTY	**Casing Material:**	FRESH, MINERIAL

--- Details ---

Thickness:	100 ft	**Original Depth:**	100 ft
Material Colour:		**Material:**	CLAY
+			
Thickness:	13 ft	**Original Depth:**	113 ft

Material Colour:		**Material:**	SAND, BOULDERS
+			
Thickness:	302 ft	**Original Depth:**	415 ft
Material Colour:		**Material:**	SHALE

---

34 **1 of 1** **W/35.5** **61.1** **ON** **BORE**

Borehole ID:	808253	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454120.11	**Northing:**	5030134.67
Location Accuracy:		**Orig. Ground Elev m:**	65.9
Elev. Reliability Note:		**DEM Ground Elev m:**	63.4
Total Depth m:	9.1	**Primary Name:**	BH 03-9
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	03-OCT-2003	**Static Water Level:**	4.2
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218595843	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218595844	**Top Depth(m):**	0.2
Bottom Depth(m):	0.7	**Stratum Desc:**	Light Grey-Brown Sand
+			
Stratum ID:	218595845	**Top Depth(m):**	0.7
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Silty Clay
+			
Stratum ID:	218595846	**Top Depth(m):**	3.7
Bottom Depth(m):	9.1	**Stratum Desc:**	Grey Stiff Silty Clay

---

35 **1 of 1** **ENE/273.5** **70.0** **ON** **BORE**

Borehole ID:	804457	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	455614.21	**Northing:**	5030382.75
Location Accuracy:		**Orig. Ground Elev m:**	71.5
Elev. Reliability Note:		**DEM Ground Elev m:**	70.6
Total Depth m:	1.5	**Primary Name:**	AH.9
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	02-DEC-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

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

--- Details ---

Stratum ID:	218580683	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218580684	**Top Depth(m):**	0.1
Bottom Depth(m):	1.2	**Stratum Desc:**	Brown to Grey Silt - Sand
+			
Stratum ID:	218580685	**Top Depth(m):**	1.2
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Weathered Crust Silty Clay

---

36 **1 of 1** **W/7.7** **65.0** **ON** **BORE**

Borehole ID:	809532	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454108.94	**Northing:**	5030096.88
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	66.5
Total Depth m:	1.5	**Primary Name:**	AH.R-5
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-FEB-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218600382	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt
+			
Stratum ID:	218600385	**Top Depth(m):**	0.9
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Silty Clay
+			
Stratum ID:	218600383	**Top Depth(m):**	0.1
Bottom Depth(m):	0.3	**Stratum Desc:**	Grey Crushed Stone
+			
Stratum ID:	218600384	**Top Depth(m):**	0.3
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown Silt - Sand With: Gr

---

37 **1 of 1** **W/30.7** **64.9** **ON** **BORE**

Borehole ID:	805578	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454086.69	**Northing:**	5030089.8
Location Accuracy:		**Orig. Ground Elev m:**	65.1
Elev. Reliability Note:		**DEM Ground Elev m:**	66.2
Total Depth m:	10.4	**Primary Name:**	BH S-8

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

Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	04-MAR-1988	**Static Water Level:**	3.5
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218585337	**Top Depth(m):**	0.9
Bottom Depth(m):	3.3	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218585338	**Top Depth(m):**	3.3
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey Firm to Stiff Silty Clay
+			
Stratum ID:	218585335	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218585336	**Top Depth(m):**	0.3
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown sand silt

---

38 **1 of 1** **W/84.2** **55.3** **BORE**

ON

Borehole ID:	808255	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454083.32	**Northing:**	5030173.85
Location Accuracy:		**Orig. Ground Elev m:**	65.2
Elev. Reliability Note:		**DEM Ground Elev m:**	55.8
Total Depth m:	19.8	**Primary Name:**	BH 03-10A
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	06-OCT-2003	**Static Water Level:**	8.2
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218595852	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218595853	**Top Depth(m):**	0.2
Bottom Depth(m):	0.5	**Stratum Desc:**	Brown Sand
+			
Stratum ID:	218595854	**Top Depth(m):**	0.5
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218595855	**Top Depth(m):**	3.7
Bottom Depth(m):	6.2	**Stratum Desc:**	Grey Stiff Silty Clay
+			
Stratum ID:	218595856	**Top Depth(m):**	6.2
Bottom Depth(m):	19.8	**Stratum Desc:**	Grey Stiff Silty Clay With: Org M

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

39 **1 of 1** **W/85.2** **55.3** **ON** **BORE**

Borehole ID:	808254	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	454081.07	**Northing:**	5030173.89
Location Accuracy:		**Orig. Ground Elev m:**	65.2
Elev. Reliability Note:		**DEM Ground Elev m:**	55.6
Total Depth m:	20	**Primary Name:**	BH 03-10
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	07-OCT-2003	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218595847	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218595848	**Top Depth(m):**	0.2
Bottom Depth(m):	0.5	**Stratum Desc:**	Brown Sand
+			
Stratum ID:	218595849	**Top Depth(m):**	0.5
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218595850	**Top Depth(m):**	3.7
Bottom Depth(m):	6.2	**Stratum Desc:**	Grey Stiff Silty Clay
+			
Stratum ID:	218595851	**Top Depth(m):**	6.2
Bottom Depth(m):	20.0	**Stratum Desc:**	Grey Stiff Silty Clay With: Org M

40 **1 of 1** **ESE/147.0** **68.7** **lot 15 con 3 ON** **WWIS**

Well ID:	1513280	**Lot:**	015
Concession:	03	**Concession Name:**	OF
County:	OTTAWA-CARLETON	**Municipality:**	GLOUCESTER TOWNSHIP
Easting Nad83:	455698.8	**Northing Nad83:**	5029838
Zone:	18	**Utm Reliability:**	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	**Construction Date:**	07-MAY-73
Sec. Water Use:		**Well Depth:**	108 ft
Pump Rate:	10 GPM	**Static Water Level:**	20 ft
Flow Rate:		**Clear/Cloudy:**	CLEAR
Specific Capacity:		**Final Well Status:**	Water Supply
Construction Method:	Rotary (Air)	**Flowing (y/n):**	N
Elevation (m):	68.28	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	Overburden

Water Type:	FRESH	**Casing Material:**	FRESH

--- Details ---

Thickness:	100 ft	**Original Depth:**	100 ft
Material Colour:		**Material:**	CLAY
+			
Thickness:	8 ft	**Original Depth:**	108 ft
Material Colour:		**Material:**	SAND, GRAVEL

---

41 **1 of 1** **W/81.7** **65.0** **BORE**

ON

Borehole ID:	803049	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	454037.39	**Northing:**	5030076.72
Location Accuracy:		**Orig. Ground Elev m:**	66
Elev. Reliability Note:		**DEM Ground Elev m:**	66.4
Total Depth m:	3.7	**Primary Name:**	AH.85-6
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	07-MAY-1985	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218574723	**Top Depth(m):**	1.1
Bottom Depth(m):	2.7	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218574724	**Top Depth(m):**	2.7
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey Stiff Silty Clay
+			
Stratum ID:	218574721	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218574722	**Top Depth(m):**	0.3
Bottom Depth(m):	1.1	**Stratum Desc:**	Brown Silt - Sand

---

42 **1 of 1** **ESE/132.0** **69.0** **WWIS**

OTTAWA ON

Well ID:	7047101	**Lot:**	
Concession:		**Concession Name:**	
County:	OTTAWA-CARLETON	**Municipality:**	OTTAWA CITY
Easting Nad83:	455700	**Northing Nad83:**	5029795
Zone:	18	**Utm Reliability:**	margin of error : 10 - 30 m
Primary Water Use:	Not Used	**Construction Date:**	06-JUL-07
Sec. Water Use:		**Well Depth:**	
Pump Rate:		**Static Water Level:**	
Flow Rate:		**Clear/Cloudy:**	
Specific Capacity:		**Final Well Status:**	Abandoned-Other

Construction Method:	Digging	**Flowing (y/n):**	
Elevation (m):	69.49	**Elevation Reliability:**	
Depth to Bedrock:		**Overburden/Bedrock:**	
Water Type:		**Casing Material:**	SULPHUR

43 **1 of 1** **W/113.5** **67.0** **ON** **BORE**

Borehole ID:	615047	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	454031	**Northing:**	5030022
Location Accuracy:		**Orig. Ground Elev m:**	64
Elev. Reliability Note:		**DEM Ground Elev m:**	67
Total Depth m:	-999	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:		**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400254	**Top Depth(m):**	0.0
Bottom Depth(m):	24.4	**Stratum Desc:**	UNSPECIFIED.
+			
Stratum ID:	218400255	**Top Depth(m):**	24.4
Bottom Depth(m):		**Stratum Desc:**	BEDROCK. TILL. COMPACT. BEDROCK. SOFT. SOFT. E. 00008015000450 30RED. 000050040

44 **1 of 1** **W/148.9** **66.9** **ON** **BORE**

Borehole ID:	805577	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	453981.57	**Northing:**	5030033.77
Location Accuracy:		**Orig. Ground Elev m:**	65.8
Elev. Reliability Note:		**DEM Ground Elev m:**	67.1
Total Depth m:	10.4	**Primary Name:**	BH S-7
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	04-MAR-1988	**Static Water Level:**	1.3
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218585330	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil

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

+

Stratum ID:	218585331	**Top Depth(m):**	0.3
Bottom Depth(m):	0.7	**Stratum Desc:**	Light Brown sand silt

+

Stratum ID:	218585332	**Top Depth(m):**	0.7
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown Sand

+

Stratum ID:	218585333	**Top Depth(m):**	0.9
Bottom Depth(m):	3.6	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay

+

Stratum ID:	218585334	**Top Depth(m):**	3.6
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey Stiff Silty Clay

---

45 **1 of 1** **W/158.6** **67.0** **ON** **BORE**

Borehole ID:	809530	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	453975.75	**Northing:**	5030023.38
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	67.1
Total Depth m:	1.5	**Primary Name:**	AH.R-6
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-FEB-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218600375	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Asphalt

+

Stratum ID:	218600376	**Top Depth(m):**	0.1
Bottom Depth(m):	0.4	**Stratum Desc:**	Grey Crushed Stone

+

Stratum ID:	218600377	**Top Depth(m):**	0.4
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown Fill-Misc Silt - Sand With: Gr

+

Stratum ID:	218600378	**Top Depth(m):**	0.9
Bottom Depth(m):	1.5	**Stratum Desc:**	Grey-Brown Fill-Misc clay silt With: Sa Trace: Brk Frag

---

46 **1 of 1** **W/218.7** **66.0** **ON** **BORE**

Borehole ID:	809528	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	453923.18	**Northing:**	5029994.36

Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	66.8
Total Depth m:	2.7	**Primary Name:**	BH.R-2
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-FEB-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218600369	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Grey Crushed Stone
+			
Stratum ID:	218600370	**Top Depth(m):**	0.1
Bottom Depth(m):	2.5	**Stratum Desc:**	Grey-Brown Fill-Misc Silty Clay With: Sa W Gr Trace: Org M
+			
Stratum ID:	218600371	**Top Depth(m):**	2.5
Bottom Depth(m):	2.7	**Stratum Desc:**	Grey-Brown Silty Clay

---

47 **1 of 1** **W/249.7** **65.0** **ON** **BORE**

Borehole ID:	803051	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hand auger	**UTM Zone:**	18
Easting:	453889.83	**Northing:**	5029991.98
Location Accuracy:		**Orig. Ground Elev m:**	64.9
Elev. Reliability Note:		**DEM Ground Elev m:**	65.4
Total Depth m:	3.7	**Primary Name:**	AH.85-7
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	07-MAY-1985	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218574727	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218574728	**Top Depth(m):**	0.3
Bottom Depth(m):	0.8	**Stratum Desc:**	Brown Silt - Sand
+			
Stratum ID:	218574729	**Top Depth(m):**	0.8
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay

---

48 **1 of 1** **W/256.4** **65.0** **ON** **BORE**

Borehole ID:	805575	**Type:**	Borehole

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

Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	453887.42	**Northing:**	5029981.53
Location Accuracy:		**Orig. Ground Elev m:**	65.4
Elev. Reliability Note:		**DEM Ground Elev m:**	65.4
Total Depth m:	10.4	**Primary Name:**	BH S-6
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	07-MAR-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218585317	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	Topsoil
+			
Stratum ID:	218585318	**Top Depth(m):**	0.3
Bottom Depth(m):	0.8	**Stratum Desc:**	Light Brown sand silt
+			
Stratum ID:	218585319	**Top Depth(m):**	0.8
Bottom Depth(m):	0.9	**Stratum Desc:**	Brown Sand
+			
Stratum ID:	218585320	**Top Depth(m):**	0.9
Bottom Depth(m):	3.7	**Stratum Desc:**	Grey-Brown Very Stiff to Stiff Weathered Crust Silty Clay
+			
Stratum ID:	218585321	**Top Depth(m):**	3.7
Bottom Depth(m):	7.6	**Stratum Desc:**	Grey Firm to Stiff Silty Clay
+			
Stratum ID:	218585322	**Top Depth(m):**	7.6
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey Stiff Silty Clay Trace: Org M Occasional: Sa

---

49 ***1 of 1*** ***W/237.2*** ***62.0*** ***ON*** ***BORE***

Borehole ID:	615057	**Type:**	Borehole
Use:		**Status:**	
Drill Method:		**UTM Zone:**	18
Easting:	453881	**Northing:**	5030122
Location Accuracy:		**Orig. Ground Elev m:**	62.5
Elev. Reliability Note:		**DEM Ground Elev m:**	57.7
Total Depth m:	-999	**Primary Name:**	
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:		**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218400285	**Top Depth(m):**	0.0

Bottom Depth(m):	10.7	**Stratum Desc:**	UNSPECIFIED.
+			
Stratum ID:	218400286	**Top Depth(m):**	10.7
Bottom Depth(m):		**Stratum Desc:**	BEDROCK. STONES. SHALE. BLACK. SHALE. GREY. 00102BEDROCK. 45030RED. 000050040

---

50 **1 of 1** **W/283.7** **65.0** **ON** **BORE**

Borehole ID:	809527	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status:**	
Drill Method:	Hollow stem auger	**UTM Zone:**	18
Easting:	453866.26	**Northing:**	5029962.93
Location Accuracy:		**Orig. Ground Elev m:**	-999.9
Elev. Reliability Note:		**DEM Ground Elev m:**	65.1
Total Depth m:	2.7	**Primary Name:**	BH.R-1
Township:		**Concession:**	
Lot:		**Municipality:**	
Completion Date:	17-FEB-1988	**Static Water Level:**	-999.9
Primary Water Use:		**Sec. Water Use:**	

--- Details ---

Stratum ID:	218600365	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Grey Crushed Stone
+			
Stratum ID:	218600366	**Top Depth(m):**	0.1
Bottom Depth(m):	0.6	**Stratum Desc:**	Brown Fill-Misc Sand With: Gr
+			
Stratum ID:	218600367	**Top Depth(m):**	0.6
Bottom Depth(m):	1.5	**Stratum Desc:**	Brown Silt - Sand
+			
Stratum ID:	218600368	**Top Depth(m):**	1.5
Bottom Depth(m):	2.7	**Stratum Desc:**	Grey-Brown Silty Clay

Unplottable Summary

Total: 84 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	D & H Rivington Enterprises Inc.	Part of Block C, Registered Plan 148 and Part of Lot 18, Concession 2, Village o	Ottawa ON	
CA	RLD Industries Ltd.	Lot 17, Concession 3, Part 2 of RP# 5R-10167	Ottawa ON	
CA	Melron Property Enterprises Inc.	Part of Lot 15 Junction Gore	Ottawa ON	
CA	City of Ottawa	Part of Lot 15, Gore Junction	Ottawa ON	
CA	The Corporation of the City of Ottawa	Lot 18, Conc. 2 (Rideau Front)	Ottawa ON	
CA	THE DOUGLAS MACDONALD DEVELOP.CORP.	INNES RD.	GLOUCESTER CITY ON	
CA	LIFE CENTRE - LIFE CENTRE CHURCH	INNES ROAD	GLOUCESTER CITY ON	
CA	LIFE CENTRE - STORMWATER MANAGEMENT FAC.	INNES ROAD/MUD CREEK	GLOUCESTER CITY ON	
CA	KLAUS MORITZ	INNES RD.	GLOUCESTER CITY ON	
CA	Claridge Homes (Carson) Inc.	Renaud Rd	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	Ashcroft Homes - Eastboro Inc.	Renaud Road	Ottawa ON	
CA	R.M. OF OTTAWA-CARLETON	INNES ROAD	GLOUCESTER CITY ON	

CA	R.M. OF OTTAWA-CARLETON,	INNES RD. TRANSPORTATION DEPT.	GLOUCESTER CITY ON
CA	THE DOUGLAS MACDONALD DEVELOP.CORP.	INNES RD.	GLOUCESTER CITY ON
CA	KLAUS MORITZ	INNES RD.	GLOUCESTER CITY ON
CA	R.M. OF OTTAWA-CARLETON	INNES RD. NORTH SIDE	GLOUCESTER CITY ON
CA	REG. MUN. OF OTTAWA-CARLETON	INNES RD.	GLOUCESTER CITY ON
CA	DOMICILE DEVELOPMENTS INC. IN TRUST	PRIVATE STREET #1/INNES ROAD	GLOUCESTER CITY ON
CA	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Gloucester ON
CA	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Gloucester ON
CA		Lot 17, Concession 2, Jock River Farms - Phase 2	Ottawa ON
CA		Lot 17, Concession 2, Jock River Farms - Phase 2	Ottawa ON
CA		Terminus of Charlies Lane, Lot 19/20 Conc 2	Ottawa ON
CA		Terminus of Charlies Lane, Lot 19/20 Conc 2	Ottawa ON
CA		Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site	Ottawa ON
CA		Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site	Ottawa ON
CA	South Ottawa Collector	Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3	Ottawa ON
CA	Claridge Point West	Part of Lot 18, Concession 2, Rideau Front	Ottawa ON
CA	Claridge Point West	Part of Lot 18, Concession 2, Rideau Front	Ottawa ON
CA	MINISTRY OF GOVERNMENT SERVICES	KEMPTVILLE COLLEGE AGRIC. TECH	KEMPTVILLE TOWN ON
EBR	Possess the Land Inc.	Lot 17, Concession 2	Ottawa ON

EBR	J.K. Pederson Landscaping Ltd. (614791 Ontario Ltd.)	Part Lot 16, Concession 3	Ottawa ON	
ECA	Thomas Cavanagh Construction Limited	Lot 16 and 17, Concession 2	Ottawa ON	
ECA	1384341 Ontario Ltd.	Scarlet Wood Lot 17, Conc. 3	Ottawa ON	
GEN	CANADIAN POLYOLS INTERN(OUT OF BUSINESS)	PT EAST 1/2 LOT 15, CONC 2, TWP. OF OXFORD-ON-RIDEAU, C/O RR #5 HWY 43	KEMPTVILLE ON	K0G 1J0
GEN	CANADIAN POLYOLS INTERNATIONAL INC08-857	PT EAST 1/2 LOT 15, CONC 2, TWP. OF OXFORD-ON-RIDEAU, C/O RR #5 HWY 43	KEMPTVILLE ON	K0G 1J0
GEN	CANADIAN POLYOLS INTERNATIONAL INC	PT EAST 1/2 LOT 15, CONC 2, TWP. OF OXFORD-ON-RIDEAU, C/O RR #5 HWY 43	KEMPTVILLE ON	K0G 1J0
LIMO	The Corporation of the Township of Gloucester	Lot 16, Concession 3	Ottawa ON	
LIMO	The Corporation of the City of Ottawa	Lot 19-20, Concession 3	Ottawa ON	
NPCB	MINISTRY OF GOVERNMENT SERVICES	COLLEGE OF AGRICULTURE; P.O. BOX 2008	KEMPTVILLE ON	K0G 1J0
SPL		Lot 18, concession 3	Ottawa ON	
SPL	Purolator Courier	Eastbound Lanes just east of Innes Rd	Ottawa ON	
SPL	Unknown<UNOFFICIAL>	Innes Rd Eastbound at Blair	Ottawa ON	
SPL		Glen Park dr	Ottawa ON	
SPL	Minto Developments Inc.	On Blackburn Bypass St. between Esprit St. and Lakeridge St. PRIVATE PORPERTY<UNOFFICIAL>	Ottawa ON	
SPL	Enbridge Gas Distribution Inc.	Anderson Rd. ¿ 2km South of Renaud Rd.	Ottawa ON	
WDS	Waste Management of Canada Corporation		Ottawa ON	
WDS	Waste Management of Canada Corporation		Ottawa ON	
WDS	Waste Management of Canada Corporation		Ottawa ON	
WDS	Waste Management of Canada Corporation		Ottawa ON	
WWIS		lot 15	ON	

WWIS	lot 15	ON
WWIS	lot 16 con 2	ON
WWIS	lot 16 con 2	ON
WWIS	lot 17	ON
WWIS	lot 19	ON
WWIS	lot 18	ON
WWIS	lot 18	ON
WWIS	lot 19	ON
WWIS	lot 19	ON
WWIS	lot 16 con 3	ON
WWIS	lot 15 con 2	ON
WWIS	lot 18	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 18	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON

WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON
WWIS	lot 15	ON

Unplottable Report

Site: ***D & H Rivington Enterprises Inc.***
Part of Block C, Registered Plan 148 and Part of Lot 18, Concession 2, Village o Ottawa ON

Database: ***CA***

Certificate #:	9743-6HTRXS
Application Year:	2005
Issue Date:	11/7/2005
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***RLD Industries Ltd.***
Lot 17, Concession 3, Part 2 of RP# 5R-10167 Ottawa ON

Database: ***CA***

Certificate #:	6378-5HTHJU
Application Year:	2003
Issue Date:	1/15/2003
Approval Type:	Air
Status:	Revoked and/or Replaced
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Melron Property Enterprises Inc.***
Part of Lot 15 Junction Gore Ottawa ON

Database: ***CA***

Certificate #:	6154-5JWM4C
Application Year:	2003
Issue Date:	2/24/2003
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	

Contaminants:
Emission Control:

Site: ***City of Ottawa*** ***Database:***
Part of Lot 15, Gore Junction Ottawa ON ***CA***

Certificate #: 5759-6BUQTB
Application Year: 2005
Issue Date: 5/16/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***The Corporation of the City of Ottawa*** ***Database:***
Lot 18, Conc. 2 (Rideau Front) Ottawa ON ***CA***

Certificate #: 1336-8BVR72
Application Year: 2010
Issue Date: 12/15/2010
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: ***THE DOUGLAS MACDONALD DEVELOP.CORP.*** ***Database:***
INNES RD. GLOUCESTER CITY ON ***CA***

Certificate #: 7-1125-85-006
Application Year: 85
Issue Date: 12/23/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***LIFE CENTRE - LIFE CENTRE CHURCH***
INNES ROAD GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-0926-91-
Application Year: 91
Issue Date: 7/3/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***LIFE CENTRE - STORMWATER MANAGEMENT FAC.***
INNES ROAD/MUD CREEK GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-0803-91-
Application Year: 91
Issue Date: 9/25/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***KLAUS MORITZ***
INNES RD. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-0583-85-006
Application Year: 85
Issue Date: 6/7/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Claridge Homes (Carson) Inc.***
Renaud Rd Ottawa ON

Database: ***CA***

Certificate #: 6667-7P8R2K
Application Year: 2009
Issue Date: 2/13/2009
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: ***Ashcroft Homes - Eastboro Inc.***
Renaud Road Ottawa ON

Database: ***CA***

Certificate #: 2240-8ERLQE
Application Year: 2011
Issue Date: 3/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Ashcroft Homes - Eastboro Inc.***
Renaud Road Ottawa ON

Database: ***CA***

Certificate #: 7226-6GLJQM
Application Year: 2011
Issue Date: 6/24/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***Ashcroft Homes - Eastboro Inc.***
Renaud Road Ottawa ON

Database: ***CA***

Certificate #: 1462-8E5P3N
Application Year: 2011
Issue Date: 2/23/2011
Approval Type: Municipal and Private Sewage Works

Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
INNES ROAD GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-0734-88-
Application Year: 88
Issue Date: 5/13/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON,***
INNES RD. TRANSPORTATION DEPT. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 7-0814-88-
Application Year: 88
Issue Date: 6/28/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***THE DOUGLAS MACDONALD DEVELOP.CORP.***
INNES RD. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-1487-85-006
Application Year: 85
Issue Date: 12/23/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:

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

Site: ***KLAUS MORITZ***
INNES RD. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 7-0394-85-006
Application Year: 85
Issue Date: 5/30/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***R.M. OF OTTAWA-CARLETON***
INNES RD. NORTH SIDE GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 3-2060-88-
Application Year: 88
Issue Date: 10/30/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***REG. MUN. OF OTTAWA-CARLETON***
INNES RD. GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 7-0153-85-006
Application Year: 85
Issue Date: 3/21/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:

Emission Control:

Site: ***DOMICILE DEVELOPMENTS INC. IN TRUST***
PRIVATE STREET #1/INNES ROAD GLOUCESTER CITY ON

Database: ***CA***

Certificate #: 7-0032-90-
Application Year: 90
Issue Date: 2/1/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***South Ottawa Collector***
Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Gloucester ON

Database: ***CA***

Certificate #: 7728-4QAG7M
Application Year: 00
Issue Date: 10/20/00
Approval Type: Industrial air
Status: Revoked and/or Replaced
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street, Heritage Building, N.W. Office
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Odour Control Systems
Contaminants:
Emission Control:

Site: ***South Ottawa Collector***
Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Gloucester ON

Database: ***CA***

Certificate #: 3-0993-86-006
Application Year: 00
Issue Date: 10/12/00
Approval Type: Municipal & Private sewage
Status: Revoked and/or Replaced
Application Type: Notice
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar St., Heritage Bldg.,1st Fl., N/W Office
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: This amendment is for modification to the South Ottawa Tunnel trunk sewer. These modification include preliminary grit and screening removal, conversion to open channel flow and solids conveyance, modifications to the ROPEC riser shaft to allow it to operate as a pump station and odour and corrosion control at the upstream drop shaft and downstream riser shaft.
Contaminants:
Emission Control:

Site:

Lot 17, Concession 2, Jock River Farms - Phase 2 Ottawa ON

Database:
CA

Certificate #:	8123-4XXQHB
Application Year:	01
Issue Date:	7/5/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Jock River Farms Limited
Client Address:	331 Cooper Street, Suite 300
Client City:	Ottawa
Client Postal Code:	K2P 0G5
Project Description:	Construction of watermains on Berrigan Drive, Clardige Drive, Totteridge Avenue, Street No. 11, Elwood Park Drive, Gospel Oak Drive, Fairlop Way, Wanstead Drive, Palmadeo Drive, Golder's Green, Upminister Way, Plumas Gate, Trafford Drive, Villa Park Drive, Longfields Drive, Oakwell Drive, Stockwell Road, and Villa Park Drive.
Contaminants:	
Emission Control:	

Site:

Lot 17, Concession 2, Jock River Farms - Phase 2 Ottawa ON

Database:
CA

Certificate #:	8761-4XXKV9
Application Year:	01
Issue Date:	7/5/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Jock River Farms Limited
Client Address:	331 Cooper Street, Suite 300
Client City:	Ottawa
Client Postal Code:	K2P 0G5
Project Description:	Cnstruction of sanitary and storm sewers on Berrigan Drive, Clardige Drive, Totteridge Avenue, Street No. 11, Elwood Park Drive, Gospel Oak Drive, Fairlop Way, Wanstead Drive, Golder's Green, Upminister Way, Plumas Gate, Trafford Drive, Longfields Drive, Oakwell Drive and Stockwell Road.
Contaminants:	
Emission Control:	

Site:

Terminus of Charlies Lane, Lot 19/20 Conc 2 Ottawa ON

Database:
CA

Certificate #:	3319-5B4HJ2
Application Year:	02
Issue Date:	6/17/02
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Mr. John Caldwell, c/o Adam and Miller
Client Address:	300 March Road
Client City:	Ottawa
Client Postal Code:	K2K 2E2
Project Description:	Approval is sought for the construction of watermains on Hidden Lake Crescent and Charlies

Lane.

Contaminants:
Emission Control:

Site: ***Database:*** ***CA***

Terminus of Charlies Lane, Lot 19/20 Conc 2 Ottawa ON

Certificate #: 9949-5B4JJN
Application Year: 02
Issue Date: 6/17/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Mr. John Caldwell, c/o Adam and Miller
Client Address: 300 March Road
Client City: Ottawa
Client Postal Code: K2K 2E2
Project Description: Approval is sought for the construction of sanitary and storm sewers on Hidden Lake Crescent and Charlies Lane and storm sewers on Street Three.
Contaminants:
Emission Control:

Site: ***Database:*** ***CA***

Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site Ottawa ON

Certificate #: 5544-4XMK2C
Application Year: 01
Issue Date: 6/19/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 101 Centrepointe Drive
Client City: Ottawa
Client Postal Code: K2G 5K7
Project Description: Construction of watermains on Clenning Street and Letourneau Street
Contaminants:
Emission Control:

Site: ***Database:*** ***CA***

Lot 18, Conc. 2, Longfields Subdivivion - Kilbarron / Beatrice Site Ottawa ON

Certificate #: 2570-4XMJSR
Application Year: 01
Issue Date: 6/19/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the City of Ottawa
Client Address: 101 Centrepointe Drive
Client City: Ottawa
Client Postal Code: K2G 5K7
Project Description: Construction of sanitary and storm sewers on Clenning Street and Letourneau Street.
Contaminants:
Emission Control:

Site: ***South Ottawa Collector*** ***Database:*** ***CA***
Lot 15, 16, 17, 18, 19, 20, 21, 22, Conc. 1, 2, 3 Ottawa ON

Certificate #:	5781-5D7RDZ
Application Year:	02
Issue Date:	9/13/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	Amended CofA
Client Name:	City of Ottawa
Client Address:	110 Laurier Avenue West
Client City:	City of Ottawa
Client Postal Code:	K1P 1J1
Project Description:	Enhanced flow control and flooding protection for the Green Creek Collector and provide further reduction in the potential to divert sediments to the South Ottawa Tunnel (SOT) by reducing the accumulation of grit within the upstream Green Creek Collector and Walkley Chamber.
Contaminants:	
Emission Control:	

Site: ***Claridge Point West*** ***Database:*** ***CA***
Part of Lot 18, Concession 2, Rideau Front Ottawa ON

Certificate #:	6961-57WT5M
Application Year:	02
Issue Date:	3/8/02
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Claridge Homes Corporation
Client Address:	210 Gladstone Avenue
Client City:	Ottawa
Client Postal Code:	
Project Description:	Construction of Watermains
Contaminants:	
Emission Control:	

Site: ***Claridge Point West*** ***Database:*** ***CA***
Part of Lot 18, Concession 2, Rideau Front Ottawa ON

Certificate #:	3590-57WTBK
Application Year:	02
Issue Date:	3/8/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Claridge Homes Corporation
Client Address:	210 Gladstone Avenue
Client City:	Ottawa
Client Postal Code:	
Project Description:	Construction Storm & Sanitary Sewers
Contaminants:	
Emission Control:	

Site: ***MINISTRY OF GOVERNMENT SERVICES***
KEMPTVILLE COLLEGE AGRIC. TECH KEMPTVILLE TOWN ON

Database: ***CA***

Certificate #:	8-4053-86-
Application Year:	86
Issue Date:	1/2/1987
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	INCINERATOR
Contaminants:	Nitrogen Oxides
Emission Control:	No Controls

Site: ***Possess the Land Inc.***
Lot 17, Concession 2 Ottawa ON

Database: ***EBR***

Year:	2015
EBR Registry No.:	012-4199
Ministry Ref. No.:	MNRF INST 47/15
Type:	Instrument Proposal
Instrument Type:	(ESA s.17(2) (c)) - Permit for activities with conditions to achieve overall benefit to the species
Proposal Date:	June 03, 2015
Location:	Lot 17, Concession 2, Geographic Township of Nepean 35 Highbury Park Dr., Ottawa CITY OF OTTAWA
Proponent Address:	190 Colonnade Road, Unit 8B, Ottawa Ontario, Canada K2E 7J5

Site: ***J.K. Pederson Landscaping Ltd. (614791 Ontario Ltd.)***
Part Lot 16, Concession 3 Ottawa ON

Database: ***EBR***

Year:	2014
EBR Registry No.:	012-1814
Ministry Ref. No.:	MNR 24/14
Type:	Instrument Proposal
Instrument Type:	(ARA s. 16 (2)) - Approval of licensee proposed amendment to a site plan
Proposal Date:	May 20, 2014
Location:	Part Lot 16, Concession 3 CITY OF OTTAWA OSGOODE
Proponent Address:	2408 Manotick Station Road, Osgoode Ontario, Canada K0A 2W0

Site: ***Thomas Cavanagh Construction Limited***
Lot 16 and 17, Concession 2 Ottawa ON

Database: ***ECA***

Record Type:	
PDF URL:	
CofA Number:	3467-9AYP63
Date:	30-AUG-13
Status:	Approved
Project Type:	Municipal and Private Sewage

Site: ***1384341 Ontario Ltd.***

Database:

Scarlet Wood Lot 17, Conc. 3 Ottawa ON ***ECA***

Record Type:
PDF URL:
CofA Number: 1923-8PCK5L
Date: 12/19/2011
Status: Approved
Project Type: Municipal and Private Sewage

Site: ***CANADIAN POLYOLS INTERN(OUT OF BUSINESS)*** ***Database:*** ***GEN***
PT EAST 1/2 LOT 15, CONC 2, TWP. OF OXFORD-ON-RIDEAU, C/O RR #5 HWY 43 KEMPTVILLE ON K0G 1J0

Generator #: ON1404100
Approval Yrs: 92,93,95,96,97,98
SIC Code: 1699
SIC Description: OTHER PLASTIC PROD.

--- Details ---
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Site: ***CANADIAN POLYOLS INTERNATIONAL INC08-857*** ***Database:*** ***GEN***
PT EAST 1/2 LOT 15, CONC 2, TWP. OF OXFORD-ON-RIDEAU, C/O RR #5 HWY 43 KEMPTVILLE ON K0G 1J0

Generator #: ON1404100
Approval Yrs: 94
SIC Code: 1699
SIC Description: OTHER PLASTIC PROD.

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: ***CANADIAN POLYOLS INTERNATIONAL INC*** ***Database:*** ***GEN***
PT EAST 1/2 LOT 15, CONC 2, TWP. OF OXFORD-ON-RIDEAU, C/O RR #5 HWY 43 KEMPTVILLE ON K0G 1J0

Generator #: ON1404100
Approval Yrs: 90
SIC Code: 1699
SIC Description: OTHER PLASTIC PROD.

--- Details ---
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS
+
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: ***The Corporation of the Township of Gloucester***
Lot 16, Concession 3 Ottawa ON

Database: ***LIMO***

C of A Number:	A460701
Operation Status:	Closed
C of A Issue Date:	
Site Name:	Gloucester Landfill
MOE Region:	
MOE District:	
C of A Issued to:	
Landfill Type:	
Site County:	
Total Site Area:	
Footprint:	
Total Approved Capac:	
Fill Rate:	
Contam. Atten. Zone:	
Air Emmis. Monitor:	
Groundwater Monitor:	
Surf. Water Monitor:	
Landfill Gas Monitor:	
Natural Attenuation:	
Liners:	
Cover Material:	
Leachate Off Site:	
Leachate On Site:	
Landfill Gas Manag.(P):	
Landfill Gas Manag.(F):	
Landfill Gas Manag.(E):	
Financial Assurance:	
Req Coll. Landfill Gas:	
Landfill Gas Collected:	
Est Remain Capac(ERC):	
ERC Date Last Determ.:	
ERC Methodology:	
Total Waste Rec.(TWR):	
TWR Methodology:	
Last Reporting Year:	

Site: ***The Corporation of the City of Ottawa***
Lot 19-20, Concession 3 Ottawa ON

Database: ***LIMO***

C of A Number:	A460703
Operation Status:	Closed
C of A Issue Date:	
Site Name:	Ridge Road Landfill
MOE Region:	
MOE District:	
C of A Issued to:	
Landfill Type:	
Site County:	
Total Site Area:	
Footprint:	
Total Approved Capac:	
Fill Rate:	
Contam. Atten. Zone:	
Air Emmis. Monitor:	
Groundwater Monitor:	

Surf. Water Monitor:
Landfill Gas Monitor:
Natural Attenuation:
Liners:
Cover Material:
Leachate Off Site:
Leachate On Site:
Landfill Gas Manag.(P):
Landfill Gas Manag.(F):
Landfill Gas Manag.(E):
Financial Assurance:
Req Coll. Landfill Gas:
Landfill Gas Collected:
Est Remain Capac(ERC):
ERC Date Last Determ.:
ERC Methodology:
Total Waste Rec.(TWR):
TWR Methodology:
Last Reporting Year:

Site: ***MINISTRY OF GOVERNMENT SERVICES***
COLLEGE OF AGRICULTURE; P.O. BOX 2008 KEMPTVILLE ON K0G 1J0

Database: ***NPCB***

Company Code:	O0255J
Industry:	Government (not Fed)
Site Status:	
Transaction Date:	7/25/1991
Inspection Date:	9/7/1991

--- Details ---

Label:	
Serial No.:	
PCB Type/Code:	Askarel
Location:	
Item/State:	
No. of Items:	
Manufacturer:	
Status:	In-Use
Contents:	159.00 L
+	
Label:	
Serial No.:	
PCB Type/Code:	Askarel
Location:	
Item/State:	
No. of Items:	
Manufacturer:	
Status:	In-Use
Contents:	728.00 L

Site:
Lot 18, concession 3 Ottawa ON

Database: ***SPL***

Ref NO:	8348-7G3Q82
Contaminant Code:	15
Contaminant Name:	TRANSFORMER OIL (N.O.S.)
Contaminant Quantity:	3 L
Incident Cause:	Other Discharges

Incident Dt:
Incident Reason: Other - Reason not otherwise defined
Incident Summary: Hydro One, 3L non-PCB transformer oil to grnd, cln
MOE Reported Dt: 6/29/2008
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Transformer
Site Municipality: Ottawa

Site: ***Purolator Courier***
Eastbound Lanes just east of Innes Rd Ottawa ON

Database: ***SPL***

Ref NO: 3071-98NH3R
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 12 L
Incident Cause: Collision/Accident
Incident Dt: 14-JUN-13
Incident Reason: Operator/Human Error
Incident Summary: Purolator TT Roll-over on Queensway - 12 L's of dsl to ditch
MOE Reported Dt: 14-JUN-13
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Highway Spills (usually highway accidents)
Sector Source Type: Truck - Transport/Hauling
Site Municipality: Ottawa

Site: ***Unknown<UNOFFICIAL>***
Innes Rd Eastbound at Blair Ottawa ON

Database: ***SPL***

Ref NO: 2061-8MDRQW
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity:
Incident Cause:
Incident Dt: 10/6/2011
Incident Reason:
Incident Summary: MVA: diesel on road.
MOE Reported Dt: 10/6/2011
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type:
Site Municipality: Ottawa

Site:
Glen Park dr Ottawa ON

Database: ***SPL***

Ref NO: 7863-9Q6QNF
Contaminant Code: 99
Contaminant Name: CHLORINATED WATER

Contaminant Quantity: 3 m³
Incident Cause: Leak/Break
Incident Dt: 2014/10/23
Incident Reason: Unknown / N/A
Incident Summary: super chlorinated water to the ground
MOE Reported Dt: 2014/10/23
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Pipeline/Components
Site Municipality: Ottawa

Site: ***Minto Developments Inc.***
On Blackburn Bypass St. between Esprit St. and Lakeridge St. PRIVATE PORPERTY<UNOFFICIAL>
Ottawa ON

Database: ***SPL***

Ref NO: 1232-6NYQ7C
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 120 L
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Dt: 4/18/2006
Incident Reason: Unknown - Reason not determined
Incident Summary: Spill of diesel- 30 gals to grnd, contain by berms - Ottawa
MOE Reported Dt: 4/18/2006
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Other
Site Municipality: Ottawa

Site: ***Enbridge Gas Distribution Inc.***
Anderson Rd. ¿ 2km South of Renaud Rd. Ottawa ON

Database: ***SPL***

Ref NO: 1545-89WMQM
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Quantity: 1000000 L
Incident Cause: Discharge or Emission to Air
Incident Dt:
Incident Reason:
Incident Summary: TSSA-FSB: natural gas leak from 16" steel main.
MOE Reported Dt: 10/4/2010
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium:
SAC Action Class: Air Spills - Gases and Vapours
Sector Source Type: Other
Site Municipality:

Site: ***Waste Management of Canada Corporation***
Ottawa ON

Database: ***WDS***

Certificate No.: A461002
Issue Date: 10/27/2008
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:

Site: ***Waste Management of Canada Corporation***
Ottawa ON

Database: ***WDS***

Certificate No.: A461002
Issue Date: 8/9/2010
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:

Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:

Site: ***Waste Management of Canada Corporation Ottawa ON***

Database: ***WDS***

Certificate No.: A461002
Issue Date: 8/12/2010
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):

Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:
PDF URL:
Record Type:
Project Type:

Site: ***Waste Management of Canada Corporation***
Ottawa ON

Database: ***WDS***

Certificate No.: A461002
Issue Date: 4/5/2011
Status: Approved
Application Status:
Concession:
Lot:
Region/County:
Proponent:
Address:
City:
Facility Type:
District Office:
Municipalities Served:
Total Area (ha):
Landfill Capacity (m³):
Landfill Monitoring:
Landfill Control Type:
Est. Closure Date:
Transfer Area (ha):
Transfer Capacity (m³):
Transfer Sites Certificate No.:
Incinerator Area (ha):
Incinerator Capacity (t):
Processing Area (m³):
Processing Capacity (m³/d):
Processing Volume (m³):
Processing Feed (m³):
Mobile Units:
Mobile Description:
Mobile Capacity:
Mobile Unit Certificate No.:
Waste Type:
Waste Type Other:
Waste Class:
Other Approvals/Permits:
Approval Description:
Waste Description:
Site Closing Description:

PDF URL:
Record Type:
Project Type:

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526640	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	18-AUG-92
Sec. Water Use:		***Well Depth:***	35 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	3 ft	***Original Depth:***	3 ft
Material Colour:	GREY	***Material:***	STONES, SAND
+			
Thickness:	32 ft	***Original Depth:***	35 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526639	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	19-AUG-92
Sec. Water Use:		***Well Depth:***	27 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	4 ft	***Original Depth:***	4 ft
Material Colour:	GREY	***Material:***	STONES, FINE SAND, FILL
+			
Thickness:	23 ft	***Original Depth:***	27 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, FINE SAND

Site: ***Database:***
lot 16 con 2 ON ***WWIS***

Well ID:	1520450	***Lot:***	016
Concession:	02	***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	12-FEB-86
Sec. Water Use:		***Well Depth:***	74 ft
Pump Rate:	40 GPM	***Static Water Level:***	12 ft
Flow Rate:		***Clear/Cloudy:***	CLEAR
Specific Capacity:		***Final Well Status:***	Recharge Well
Construction Method:	Cable Tool	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	31	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH, Not stated	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	9 ft	***Original Depth:***	9 ft
Material Colour:	BROWN	***Material:***	CLAY, PACKED
+			
Thickness:	22 ft	***Original Depth:***	31 ft
Material Colour:	BROWN	***Material:***	SAND, GRAVEL, BOULDERS
+			
Thickness:	43 ft	***Original Depth:***	74 ft
Material Colour:	GREY	***Material:***	SANDSTONE

Site: ***Database:***
lot 16 con 2 ON ***WWIS***

Well ID:	1520451	***Lot:***	016
Concession:	02	***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	15-FEB-86
Sec. Water Use:		***Well Depth:***	63 ft
Pump Rate:	40 GPM	***Static Water Level:***	14 ft
Flow Rate:		***Clear/Cloudy:***	CLEAR
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Cable Tool	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	30	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	30 ft	***Original Depth:***	30 ft
Material Colour:	BROWN	***Material:***	SAND
+			
Thickness:	33 ft	***Original Depth:***	63 ft
Material Colour:	GREY	***Material:***	SANDSTONE

Site: ***Database:***
WWIS

lot 17 ON

Well ID:	1522714	***Lot:***	017
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	09-JUN-88
Sec. Water Use:		***Well Depth:***	64 ft
Pump Rate:	15 GPM	***Static Water Level:***	10 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Air Precussion	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	26	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	14 ft	***Original Depth:***	14 ft
Material Colour:	GREY	***Material:***	CLAY
+			
Thickness:	12 ft	***Original Depth:***	26 ft
Material Colour:	GREY	***Material:***	HARDPAN
+			
Thickness:	38 ft	***Original Depth:***	64 ft
Material Colour:	GREY	***Material:***	LIMESTONE

Site: ***Database:***
WWIS

lot 19 ON

Well ID:	1523645	***Lot:***	019
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	12-JUN-89
Sec. Water Use:		***Well Depth:***	60 ft
Pump Rate:	30 GPM	***Static Water Level:***	7 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Air Precussion	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	57	***Overburden/Bedrock:***	Mixed in a Layer
Water Type:	FRESH	***Casing Material:***	FRESH, SULPHUR

--- Details ---

Thickness:	15 ft	***Original Depth:***	15 ft
Material Colour:	GREY	***Material:***	SAND
+			
Thickness:	42 ft	***Original Depth:***	57 ft
Material Colour:	GREY	***Material:***	HARDPAN, SAND
+			
Thickness:	3 ft	***Original Depth:***	60 ft
Material Colour:	GREY	***Material:***	GRAVEL, ROCK, FRACTURED

Site: ***Database:***
lot 18 ON ***WWIS***

Well ID:	1526258	***Lot:***	018
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	25-JUN-92
Sec. Water Use:		***Well Depth:***	203 ft
Pump Rate:	12 GPM	***Static Water Level:***	32 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Air Precussion	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	27	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	27 ft	***Original Depth:***	27 ft
Material Colour:	GREY	***Material:***	CLAY, HARDPAN, STONES
+			
Thickness:	176 ft	***Original Depth:***	203 ft
Material Colour:	GREY	***Material:***	SANDSTONE

Site: ***Database:***
lot 18 ON ***WWIS***

Well ID:	1526259	***Lot:***	018
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	16-JUN-92
Sec. Water Use:		***Well Depth:***	103 ft
Pump Rate:	9 GPM	***Static Water Level:***	30 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Air Precussion	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	29	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	29 ft	***Original Depth:***	29 ft
Material Colour:	GREY	***Material:***	CLAY, HARDPAN, STONES
+			
Thickness:	74 ft	***Original Depth:***	103 ft
Material Colour:	GREY	***Material:***	SANDSTONE, LIMESTONE, LAYERED

Site: ***Database:***
lot 19 ON ***WWIS***

Well ID:	1531656	***Lot:***	019

Concession:		***Concession Name:***	BF
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	09-NOV-00
Sec. Water Use:		***Well Depth:***	90 ft
Pump Rate:	15 GPM	***Static Water Level:***	27 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Rotary (Air)	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	72	***Overburden/Bedrock:***	Bedrock
Water Type:	Not stated	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	12 ft	***Original Depth:***	12 ft
Material Colour:	BROWN	***Material:***	CLAY, PACKED
+			
Thickness:	43 ft	***Original Depth:***	55 ft
Material Colour:	GREY	***Material:***	CLAY
+			
Thickness:	17 ft	***Original Depth:***	72 ft
Material Colour:	GREY	***Material:***	SAND, GRAVEL, BOULDERS
+			
Thickness:	18 ft	***Original Depth:***	90 ft
Material Colour:	GREY	***Material:***	SANDSTONE

Site: ***Database:***
lot 19 ON ***WWIS***

Well ID:	1531489	***Lot:***	019
Concession:		***Concession Name:***	BF
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	01-SEP-00
Sec. Water Use:		***Well Depth:***	
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Observation Wells
Construction Method:	Other Method	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	No formation data
Water Type:		***Casing Material:***	

Site: ***Database:***
lot 16 con 3 ON ***WWIS***

Well ID:	1531488	***Lot:***	016
Concession:	03	***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	25-OCT-00

Sec. Water Use:		***Well Depth:***	70 ft
Pump Rate:	25 GPM	***Static Water Level:***	11 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Rotary (Air)	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	22	***Overburden/Bedrock:***	Bedrock
Water Type:	Not stated	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	4 ft	***Original Depth:***	4 ft
Material Colour:	BROWN	***Material:***	TOPSOIL, STONES
+			
Thickness:	4 ft	***Original Depth:***	8 ft
Material Colour:	BROWN	***Material:***	CLAY
+			
Thickness:	6 ft	***Original Depth:***	14 ft
Material Colour:	GREY	***Material:***	CLAY
+			
Thickness:	8 ft	***Original Depth:***	22 ft
Material Colour:	GREY	***Material:***	CLAY, SANDY, STONES
+			
Thickness:	48 ft	***Original Depth:***	70 ft
Material Colour:	GREY	***Material:***	LIMESTONE

Site: ***Database:*** ***WWIS***

lot 15 con 2 ON

Well ID:	1530884	***Lot:***	015
Concession:	02	***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	03-OCT-99
Sec. Water Use:		***Well Depth:***	150 ft
Pump Rate:	100 GPM	***Static Water Level:***	36 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Rotary (Air)	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	140	***Overburden/Bedrock:***	Bedrock
Water Type:	Not stated	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	118 ft	***Original Depth:***	118 ft
Material Colour:	BROWN	***Material:***	SAND, PACKED
+			
Thickness:	22 ft	***Original Depth:***	140 ft
Material Colour:	GREY	***Material:***	SAND, STONES, PACKED
+			
Thickness:	10 ft	***Original Depth:***	150 ft
Material Colour:	GREY	***Material:***	LIMESTONE

Site: ***Database:*** ***WWIS***

lot 18 ON

Well ID:	1530719	***Lot:***	018
Concession:		***Concession Name:***	BF
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	31-MAY-99
Sec. Water Use:		***Well Depth:***	100 ft
Pump Rate:	20 GPM	***Static Water Level:***	32 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Air Precussion	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	73	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	16 ft	***Original Depth:***	16 ft
Material Colour:	BROWN	***Material:***	CLAY
+			
Thickness:	54 ft	***Original Depth:***	70 ft
Material Colour:	BLUE	***Material:***	CLAY
+			
Thickness:	3 ft	***Original Depth:***	73 ft
Material Colour:		***Material:***	SAND, BOULDERS
+			
Thickness:	27 ft	***Original Depth:***	100 ft
Material Colour:	GREY	***Material:***	SANDSTONE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1530391	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:		***Construction Date:***	10-SEP-98
Sec. Water Use:		***Well Depth:***	
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Abandoned-Quality
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	No formation data
Water Type:		***Casing Material:***	

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1530294	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	

Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Domestic	***Construction Date:***	28-SEP-98
Sec. Water Use:		***Well Depth:***	180 ft
Pump Rate:	4 GPM	***Static Water Level:***	50 ft
Flow Rate:		***Clear/Cloudy:***	CLOUDY
Specific Capacity:		***Final Well Status:***	Water Supply
Construction Method:	Air Precussion	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	3	***Overburden/Bedrock:***	Bedrock
Water Type:	FRESH, Not stated	***Casing Material:***	FRESH, MINERIAL

--- Details ---

Thickness:	3 ft	***Original Depth:***	3 ft
Material Colour:		***Material:***	CLAY
+			
Thickness:	177 ft	***Original Depth:***	180 ft
Material Colour:	GREY	***Material:***	LIMESTONE

Site: ***Database:*** ***WWIS***

lot 15 ON

Well ID:	1530293	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	GLOUCESTER TOWNSHIP
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:		***Construction Date:***	29-SEP-98
Sec. Water Use:		***Well Depth:***	
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Abandoned-Other
Construction Method:		***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	No formation data
Water Type:		***Casing Material:***	

Site: ***Database:*** ***WWIS***

lot 18 ON

Well ID:	1526813	***Lot:***	018
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY (NEPEAN)
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	19-AUG-92
Sec. Water Use:		***Well Depth:***	25 ft
Pump Rate:	30 GPM	***Static Water Level:***	15 ft
Flow Rate:		***Clear/Cloudy:***	CLEAR
Specific Capacity:		***Final Well Status:***	Observation Wells
Construction Method:	Cable Tool	***Flowing (y/n):***	N
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden

Water Type:	FRESH	***Casing Material:***	FRESH

--- Details ---

Thickness:	2 ft	***Original Depth:***	2 ft
Material Colour:	BROWN	***Material:***	TOPSOIL, SOFT
+			
Thickness:	11 ft	***Original Depth:***	13 ft
Material Colour:	BROWN	***Material:***	SAND, GRAVEL, SOFT
+			
Thickness:	4 ft	***Original Depth:***	17 ft
Material Colour:	BROWN	***Material:***	GRAVEL, BOULDERS, HARD
+			
Thickness:	8 ft	***Original Depth:***	25 ft
Material Colour:	BROWN	***Material:***	GRAVEL, HARD

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526653	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	19-AUG-92
Sec. Water Use:		***Well Depth:***	32 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	6 ft	***Original Depth:***	6 ft
Material Colour:	BROWN	***Material:***	FINE SAND, FILL
+			
Thickness:	26 ft	***Original Depth:***	32 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526652	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	20-AUG-92
Sec. Water Use:		***Well Depth:***	30 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedroc***	Overburden

		k:	
Water Type:	FRESH	***Casing Material:***	Not stated
--- Details ---			
Thickness:	5 ft	***Original Depth:***	5 ft
Material Colour:	BROWN	***Material:***	FINE SAND, FILL
+			
Thickness:	25 ft	***Original Depth:***	30 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526651	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	20-AUG-92
Sec. Water Use:		***Well Depth:***	28 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated
--- Details ---			
Thickness:	5 ft	***Original Depth:***	5 ft
Material Colour:	BROWN	***Material:***	GRAVEL, FINE SAND, FILL
+			
Thickness:	23 ft	***Original Depth:***	28 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526650	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	12-AUG-92
Sec. Water Use:		***Well Depth:***	33 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated
--- Details ---			
Thickness:	1 ft	***Original Depth:***	1 ft

Material Colour:	GREY	***Material:***	UNKNOWN TYPE, HARD
+			
Thickness:	1 ft	***Original Depth:***	2 ft
Material Colour:	GREY	***Material:***	STONES, PACKED
+			
Thickness:	3 ft	***Original Depth:***	5 ft
Material Colour:	BROWN	***Material:***	SAND, GRAVEL, FILL
+			
Thickness:	28 ft	***Original Depth:***	33 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526649	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	13-AUG-92
Sec. Water Use:		***Well Depth:***	33 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	1 ft	***Original Depth:***	1 ft
Material Colour:	GREY	***Material:***	UNKNOWN TYPE
+			
Thickness:	3 ft	***Original Depth:***	4 ft
Material Colour:	GREY	***Material:***	STONES, FINE SAND, PACKED
+			
Thickness:	4 ft	***Original Depth:***	8 ft
Material Colour:	BROWN	***Material:***	FINE SAND, FILL
+			
Thickness:	25 ft	***Original Depth:***	33 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526648	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	13-AUG-92
Sec. Water Use:		***Well Depth:***	31 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	

Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	1 ft	***Original Depth:***	1 ft
Material Colour:	GREY	***Material:***	UNKNOWN TYPE
+			
Thickness:	3 ft	***Original Depth:***	4 ft
Material Colour:	GREY	***Material:***	STONES, PACKED, FILL
+			
Thickness:	27 ft	***Original Depth:***	31 ft
Material Colour:	GREY	***Material:***	CLAY, FINE SAND, SILT

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526647	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	14-AUG-92
Sec. Water Use:		***Well Depth:***	5 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	1 ft	***Original Depth:***	1 ft
Material Colour:	GREY	***Material:***	UNKNOWN TYPE
+			
Thickness:	4 ft	***Original Depth:***	5 ft
Material Colour:	BROWN	***Material:***	FINE SAND, FILL

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526646	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	13-AUG-92
Sec. Water Use:		***Well Depth:***	31 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedroc***	Overburden

		k:	
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	1 ft	***Original Depth:***	1 ft
Material Colour:	GREY	***Material:***	UNKNOWN TYPE, HARD
+			
Thickness:	5 ft	***Original Depth:***	6 ft
Material Colour:	BROWN	***Material:***	COARSE SAND, GRAVEL, FILL
+			
Thickness:	19 ft	***Original Depth:***	25 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, SAND
+			
Thickness:	6 ft	***Original Depth:***	31 ft
Material Colour:	GREY	***Material:***	CLAY, GRAVEL, LOOSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526645	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	18-AUG-92
Sec. Water Use:		***Well Depth:***	27 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	1 ft	***Original Depth:***	1 ft
Material Colour:	GREY	***Material:***	STONES
+			
Thickness:	26 ft	***Original Depth:***	27 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, GRAVEL

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526644	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	18-AUG-92
Sec. Water Use:		***Well Depth:***	28 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	

Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	3 ft	***Original Depth:***	3 ft
Material Colour:	GREY	***Material:***	STONES, COARSE SAND
+			
Thickness:	25 ft	***Original Depth:***	28 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, GRAVEL

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526643	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	17-AUG-92
Sec. Water Use:		***Well Depth:***	31 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	1 ft	***Original Depth:***	1 ft
Material Colour:	GREY	***Material:***	STONES
+			
Thickness:	30 ft	***Original Depth:***	31 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, GRAVEL

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526642	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	17-AUG-92
Sec. Water Use:		***Well Depth:***	305 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	2 ft	***Original Depth:***	2 ft
Material Colour:	GREY	***Material:***	STONES
+			
Thickness:	303 ft	***Original Depth:***	305 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526641	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	17-AUG-92
Sec. Water Use:		***Well Depth:***	32 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:		***Overburden/Bedrock:***	Overburden
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	2 ft	***Original Depth:***	2 ft
Material Colour:	GREY	***Material:***	GRAVEL, SAND
+			
Thickness:	30 ft	***Original Depth:***	32 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site: ***Database:***
lot 15 ON ***WWIS***

Well ID:	1526638	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	19-AUG-92
Sec. Water Use:		***Well Depth:***	30 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	0	***Overburden/Bedrock:***	Overburden below Bedrock
Water Type:	FRESH	***Casing Material:***	Not stated

--- Details ---

Thickness:	4 ft	***Original Depth:***	4 ft
Material Colour:	GREY	***Material:***	CONGLOMERATE, STONES, SAND
+			
Thickness:	26 ft	***Original Depth:***	30 ft

Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Site:
lot 15 ON

Database:
WWIS

Well ID:	1526637	***Lot:***	015
Concession:		***Concession Name:***	
County:	OTTAWA-CARLETON	***Municipality:***	OTTAWA CITY
Easting Nad83:		***Northing Nad83:***	
Zone:	18	***Utm Reliability:***	unknown UTM
Primary Water Use:	Not Used	***Construction Date:***	19-AUG-92
Sec. Water Use:		***Well Depth:***	23 ft
Pump Rate:		***Static Water Level:***	
Flow Rate:		***Clear/Cloudy:***	
Specific Capacity:		***Final Well Status:***	Test Hole
Construction Method:	Not Known	***Flowing (y/n):***	
Elevation (m):		***Elevation Reliability:***	
Depth to Bedrock:	0	***Overburden/Bedrock:***	Mixed in a Layer
Water Type:	FRESH	***Casing Material:***	

--- Details ---

Thickness:	3 ft	***Original Depth:***	3 ft
Material Colour:	GREY	***Material:***	STONES, CONGLOMERATE, SAND
+			
Thickness:	20 ft	***Original Depth:***	23 ft
Material Colour:	GREY	***Material:***	CLAY, SILT, DENSE

Appendix: Database Descriptions

Ecolog Environmental Risk Information Services Ltd (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 all 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 Mar 2015

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 2014

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

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

Government Publication Date: 2001-Jul 2014

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Government Publication Date: 1948-Dec 2015

Chemical Register: Private CHEM

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

Government Publication Date: 1992, 1999-Jul 2014

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-Feb 2014

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-Jan 2016

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-Jun 2014

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: Feb 29, 2016

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jan 2016

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: Feb 29, 2016

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 2014

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

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include 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.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities: Provincial EXP

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Current to Nov 2015

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: June 2000-Oct 2015

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-Sept 2003

Fuel Storage Tank: Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Government Publication Date: 2010-Nov 2015

Fuel Storage Tank - Historic: Provincial FSTH

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

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-May 2015

Greehouse 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: Dec 31, 2013

TSSA Historic Incidents: Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Government Publication Date: June 2009 - Nov 2015

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: 2012

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-Apr 2013

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: 1994-2013

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-Aug 2010

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 Wells: Federal NEBW

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-2013

Oil and Gas Wells: Private OGW

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

Government Publication Date: 1988-2015

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Aug 2015

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-Jan 2016

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

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 Environment maintains a database of all manufacturers and vendors of registered pesticides.

Government Publication Date: 1988-Jun 2013

TSSA Pipeline Incidents: Provincial PINC

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Government Publication Date: June 2009-2014

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-Jan 2016

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: 1986-2013

Record of Site Condition: Provincial RSC

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

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2016

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Jul 2014

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jun 2015

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: 1990-2013

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-Mar 2007

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

The TSSA, under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Government Publication Date: Current to Nov 2015

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: Feb 29, 2016

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: 1955-Mar 2014

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 were included as reference.

Appendix D
City Directory Search

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 City Directory

PROJECT NUMBER: 20160713066	
Site Address:	2244 Innes Road, Ottawa, Ontario
Year: 2011	
Site Listing:	-Correctional Facilities Institutions and Programs -Ottawa Carleton District School Board
Adjacent Properties:	
2224 Innes Road	-Alliance Chretienne Missionnaire De La Capitale
2126 Anderson Road	-Address Not Listed
2170 Anderson Road	-Residential (1 tenant)
2389 Pepin Court	-Young Philip Enterprises Ltd

PROJECT NUMBER: 20160713066	

Site Address:	2244 Innes Road, Ottawa, Ontario
Year: 2006-2007	
Site Listing:	-Ottawa Carleton District School Board -T&M Electrical -OPSEU Union President -MP Lundy Construction
Adjacent Properties:	
2224 Innes Road	-Alliance Chretienne Missionnaire De La Capitale -Centre de Vie
2126 Anderson Road	-Address Not Listed
2170 Anderson Road	-Residential (1 tenant)
2389 Pepin Court	-Residential (1 tenant)

PROJECT NUMBER: 20160713066	
Site Address:	2244 Innes Road, Ottawa, Ontario
Year: 2001-2002	
Site Listing:	-Ontario Realty Corporation -PCL Contractors Canada -Donald Servant Electric

Adjacent Properties:	
2224 Innes Road	-Centre de Vie
2126 Anderson Road	-Residential (1 tenant)
2170 Anderson Road	-Residential (1 tenant)
2389 Pepin Court	-Residential (1 tenant)

PROJECT NUMBER: 20160713066	
Site Address:	2244 Innes Road, Ottawa, Ontario
Year: 1996-1997	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2224 Innes Road	-Prankard Bill Evangelistic Assoc -L'Eglise De La Nouvelle Alliance
2126 Anderson Road	-Residential (1 tenant)
2170 Anderson Road	-Residential (2 tenants)
2389 Pepin Court	-Street Not Listed

PROJECT NUMBER: 20160713066	
Site Address:	2244 Innes Road, Ottawa, Ontario
Year: 1992	
Site Listing:	-Address Not Listed
Adjacent Properties:	
2224 Innes Road	-Academie Chretienne de la Nouvelle Alliance -L'Eglise De La Nouvelle Alliance
2126 Anderson Road	-Residential (1 tenant)
2170 Anderson Road	-Residential (2 tenants)
2389 Pepin Court	-Street Not Listed

PROJECT NUMBER: 20160713066	
Site Address:	2244 Innes Road, Ottawa, Ontario
Year: 1987	
Site Listing:	-Street Not Listed
Adjacent Properties:	

2224 Innes Road	-Street Not Listed
2126 Anderson Road	-Address Not Listed
2170 Anderson Road	-Address Not Listed
2389 Pepin Court	-Street Not Listed

Orleans is listed from 1987 to 2011 within the city directory archives.

-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 E
Freedom of Information Searches

PRIVATE AND CONFIDENTIAL
VIA REGULAR MAIL

August, 16, 2016

Ontario Ministry of the Environment
Freedom of Information & Protection of Privacy Office
40 St. Clair Avenue West
8th Floor
Toronto, ON
M4V 1M2

Attention: To Whom it May Concern

Re: ECOH File No. 16868
Disclosure of Information Contained in the MOE's Files Relating to Municipal Address 2244 Innes Road, Ottawa, Ontario

Please find enclosed a completed information request form for the above-referenced property as we are conducting a Phase One Environmental Site Assessment of the subject site.

Also enclosed is a cheque for $35.00 to cover the $5.00 application fee and one (1) hour of search time at $30.00/hour.

Your earliest attention to this matter would be greatly appreciated. Please contact me at LDimand@ecoh.ca or 905-795-2800 with the results of your search or if you require additional details.

Thank you in advance for your assistance.

Kindest Regards,

ECOH
Environmental Consulting
Occupational Health

Laura Dimand

Laura Dimand

From: Ruchi Chohan <rchohan@tssa.org> on behalf of Public Information Services <publicinformationservices@tssa.org>
Sent: Wednesday, August 17, 2016 9:01 AM
To: Laura Dimand
Subject: RE: FOI request for 2244 Innes Road, Ottawa

Good Morning Laura,

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record:

2244 Innes Rd, Ottawa has record of 2 under review fuel oil tanks and 2 active fuel oil tanks

For a more detailed report including underground fuel storage tank details and copies of all inspection reports, please submit your request in writing to Public Information Services via e-mail (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.

Thank you and have a great day!

Ruchi

From: Laura Dimand [mailto:ldimand@ecoh.ca]
Sent: Tuesday, August 16, 2016 9:14 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: FOI request for 2244 Innes Road, Ottawa

To whom it may concern,

Topic: Public Safety Enquiry

Program Area: Fuels

*Disclosure of Information Contained in TSSA's Files Relating to **2244 Innes Road, Ottawa, ON**.*

As part of our environmental investigation, we request that the Technical Standards and Safety Authority ("TSSA") - Fuel Safety Division review its database and identify to us any records of above-ground or underground fuel storage tanks; records of spills, incidents, complaints, violations, notices, orders or other directives; record of any clean ups or remediation which the TSSA may have on file, for the above mentioned property.

Your earliest attention to this matter would be greatly appreciated.

Please contact me at ldimand@ecoh.ca or 905-795-2800 with the results of your search or if you require additional details.

Thank you in advance for your assistance.
ECOH INC.

Regards,

Laura Dimand, **BSc., EPt**
Environmental Scientist

ECOH Environmental Consulting Occupational Health

75 Courtneypark Drive West, Unit 1
Mississauga, ON L5W 0E3
Office: 905.795.2800 x 2277
Toll Free: 1.866.231.6855
Cell: 416.726.9356
Fax: 905.795.2870
www.ecoh.ca

Appendix F
Aerial Photographs

Legend

Approximate Site Boundary

Image Source:
Ecolog ERIS 1958

Figure 1

Aerial Photograph - 1958

LOCATION:

2244 Innes Road
Ottawa, Ontario

PROJECT:

Phase Ones Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868-01	**DATE:** September 2016	**DRW BY:** CAB	
CAD FILE: FIG1-7 P16868-01 Aerial Photographs	**SCALE:** As Noted	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health

Legend

Approximate Site Boundary

Image Source:
Ecolog ERIS 1976

Figure 2

Aerial Photograph - 1976

LOCATION:

2244 Innes Road
Ottawa, Ontario

PROJECT:

Phase Ones Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868-01	**DATE:** September 2016	**DRW BY:** CAB	
CAD FILE: FIG1-7 P16868-01 Aerial Photographs	**SCALE:** As Noted	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health

Legend

Approximate Site Boundary

Image Source:
Ecolog ERIS 1989

Figure 3

Aerial Photograph - 1989

LOCATION:

2244 Innes Road
Ottawa, Ontario

PROJECT:

Phase Ones Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868-01	**DATE:** September 2016	**DRW BY:** CAB	
CAD FILE: FIG1-7 P16868-01 Aerial Photographs	**SCALE:** As Noted	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health

Legend

Approximate Site Boundary

Image Source:
Ecolog ERIS 1999

Figure 4

Aerial Photograph - 1999

LOCATION:

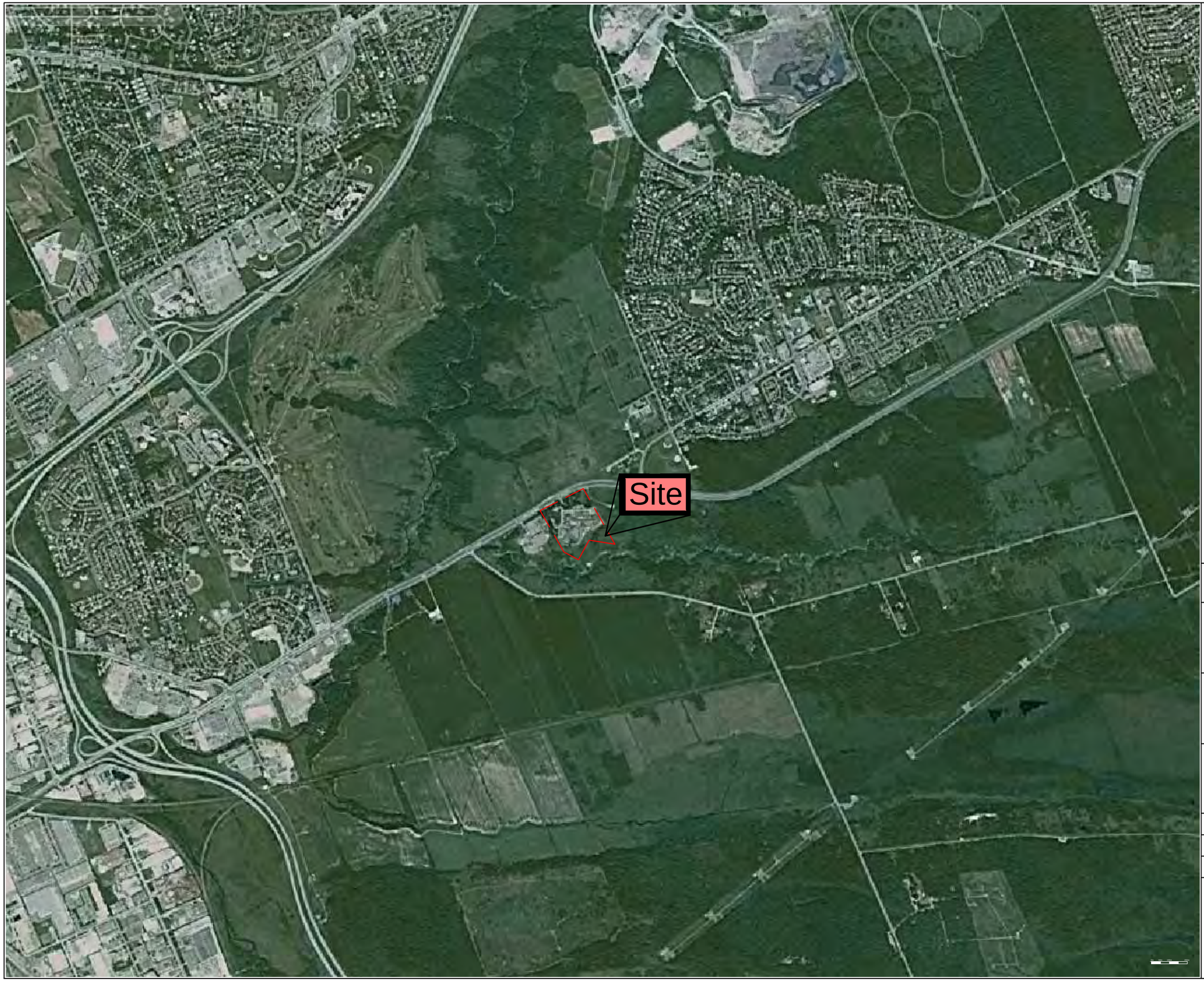
2244 Innes Road
Ottawa, Ontario

PROJECT:

Phase Ones Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868-01	**DATE:** September 2016	**DRW BY:** CAB	
CAD FILE: FIG1-7 P16868-01 Aerial Photographs	**SCALE:** As Noted	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health



Legend

Approximate Site Boundary

Image Source:
Google Earth
Images

Figure 5

Aerial Photograph - 2009

LOCATION:

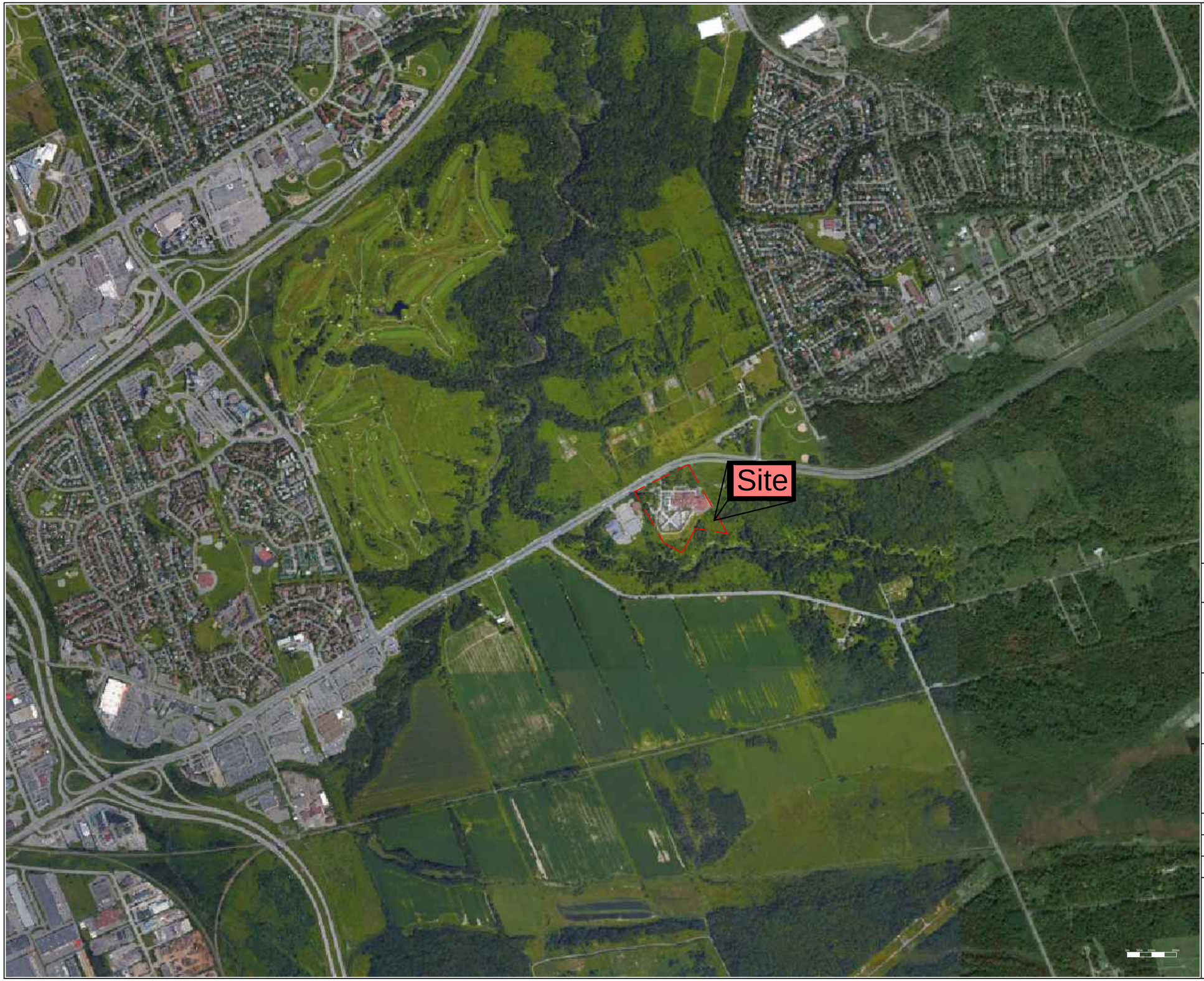
2244 Innes Road
Ottawa, Ontario

PROJECT:

Phase Ones Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868-01	**DATE:** September 2016	**DRW BY:** CAB	
CAD FILE: FIG1-7 P16868-01 Aerial Photographs	**SCALE:** As Noted	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health



Legend

Approximate Site Boundary

Image Source:
Google Earth
Images

Figure 6

Aerial Photograph - 2016

LOCATION:

2244 Innes Road
Ottawa, Ontario

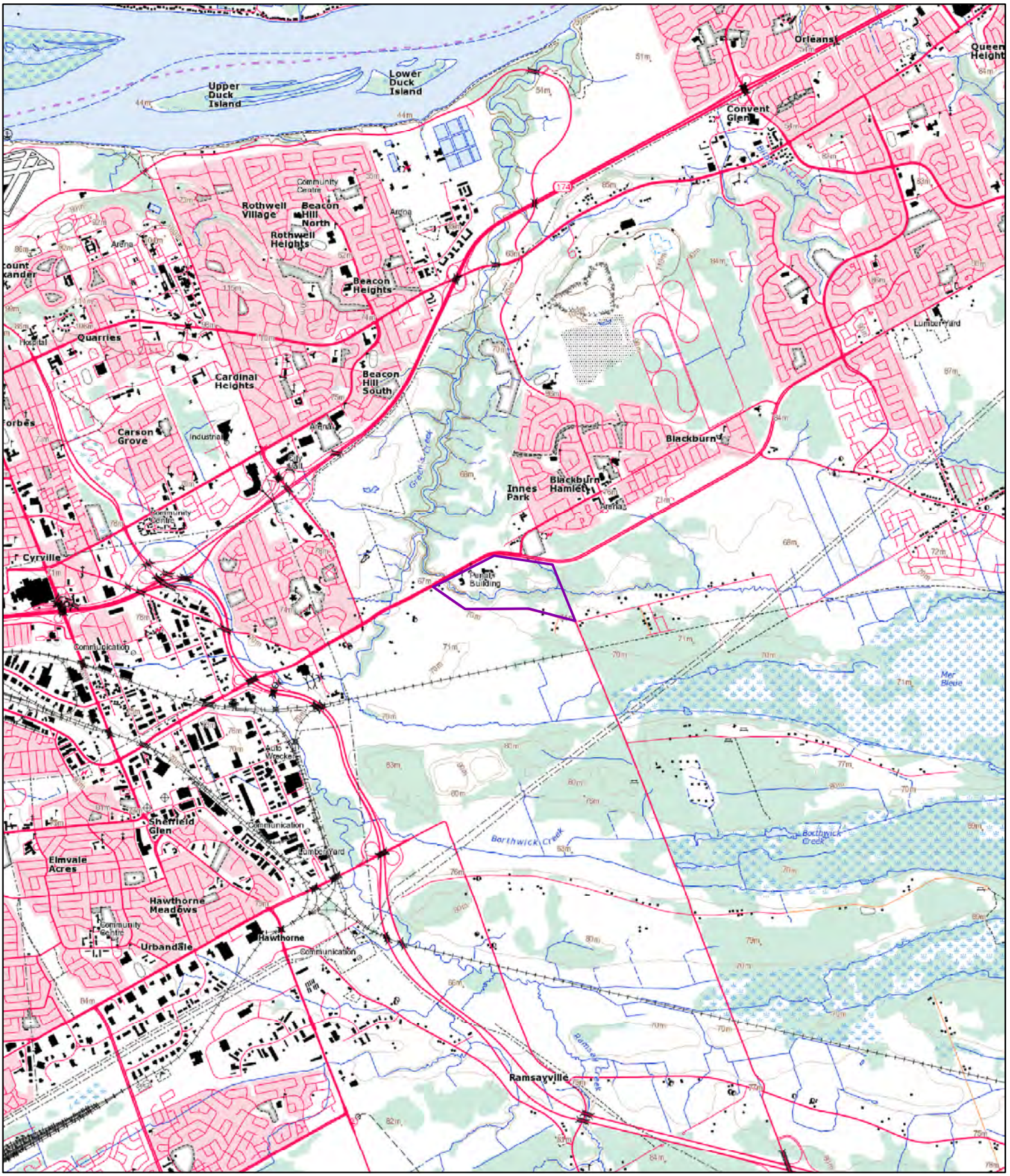
PROJECT:

Phase Ones Environmental Site Assessment

CLIENT: Colliers Project Leaders			
PROJECT NUMBER: 16868-01	**DATE:** September 2016	**DRW BY:** CAB	
CAD FILE: FIG1-7 P16868-01 Aerial Photographs	**SCALE:** As Noted	**CHK BY:** LD	

ECOH
Environmental Consulting
Occupational Health

Appendix G
Desk Study Maps



Topographic Map

N

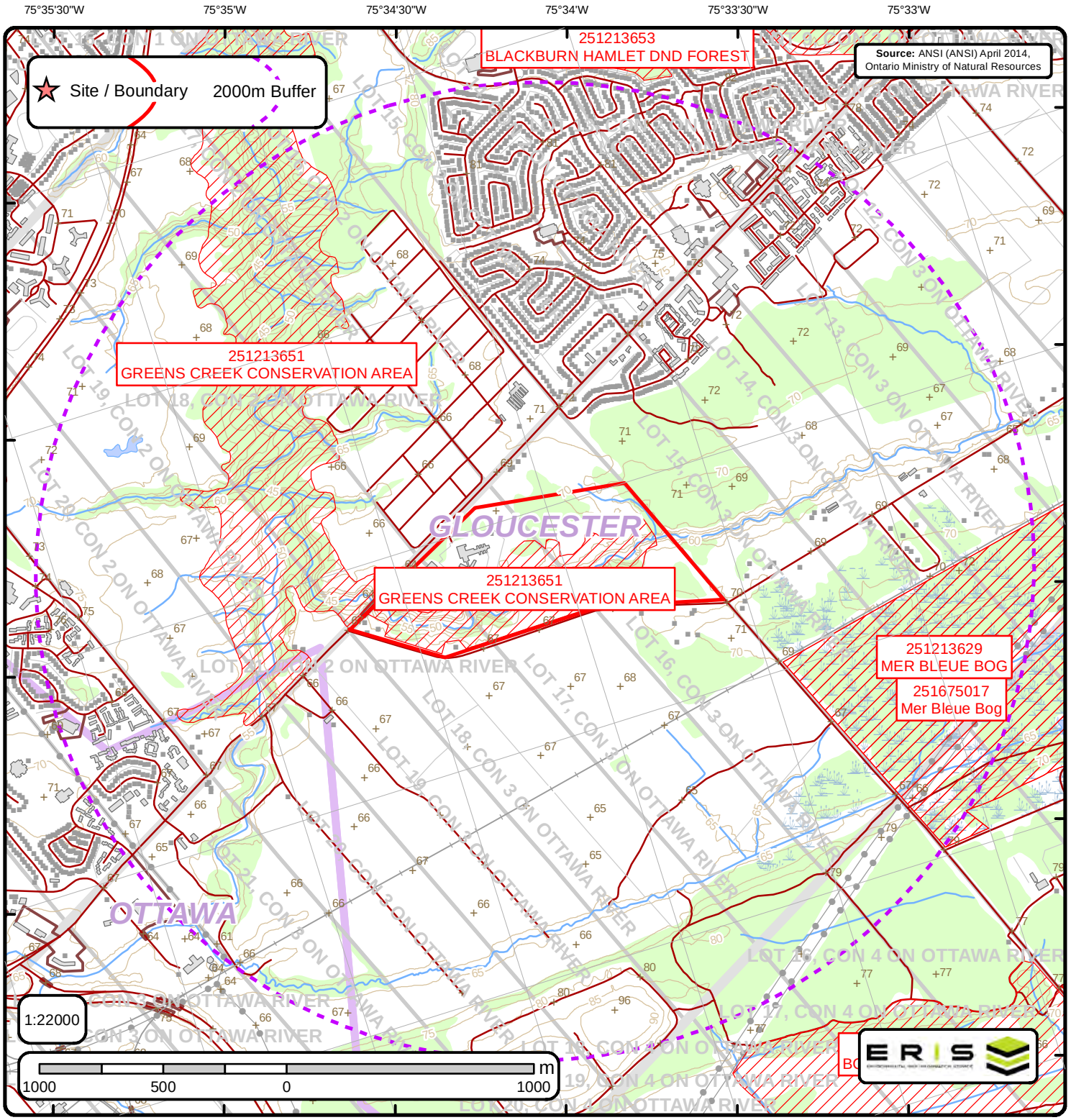
1000 500 0 1000 m

1:50000

Order No: 20160713066

Map Centre Address: 2244 Innes Rd, Ottawa, ON, K1B4C4

Data source: Toporama (1:50K) by Natural Resource Canada. Publication date: 2013-07-19
Legend available at http://ftp2.cits.rncan.gc.ca/pub/toporama/doc/Toporama_legend_carto_specs_en.pdf



Area of Natural & Scientific Interest (ANSI) Order No. 20160713066

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

Bedrock Geology Report

Bedrock Geology units found within 2000 m of

2244 Innes Rd, Ottawa, ON, K1B4C4

Order ID: 20160713066

ID: 13323 | **Unit Name:** |

Type (All): 55b | **Type (Primary):** 55b | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Shale, limestone, dolostone, siltstone | **Stratus (Primary):** Georgian Bay Formation; Blue Mountain Formation; Billings Formation; Collingwood Member; Eastview Member | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** UPPER ORDOVICIAN | **Province (Primary):**

Bedrock Geology Report Metadata

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

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```
SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE
```

ANSI Report

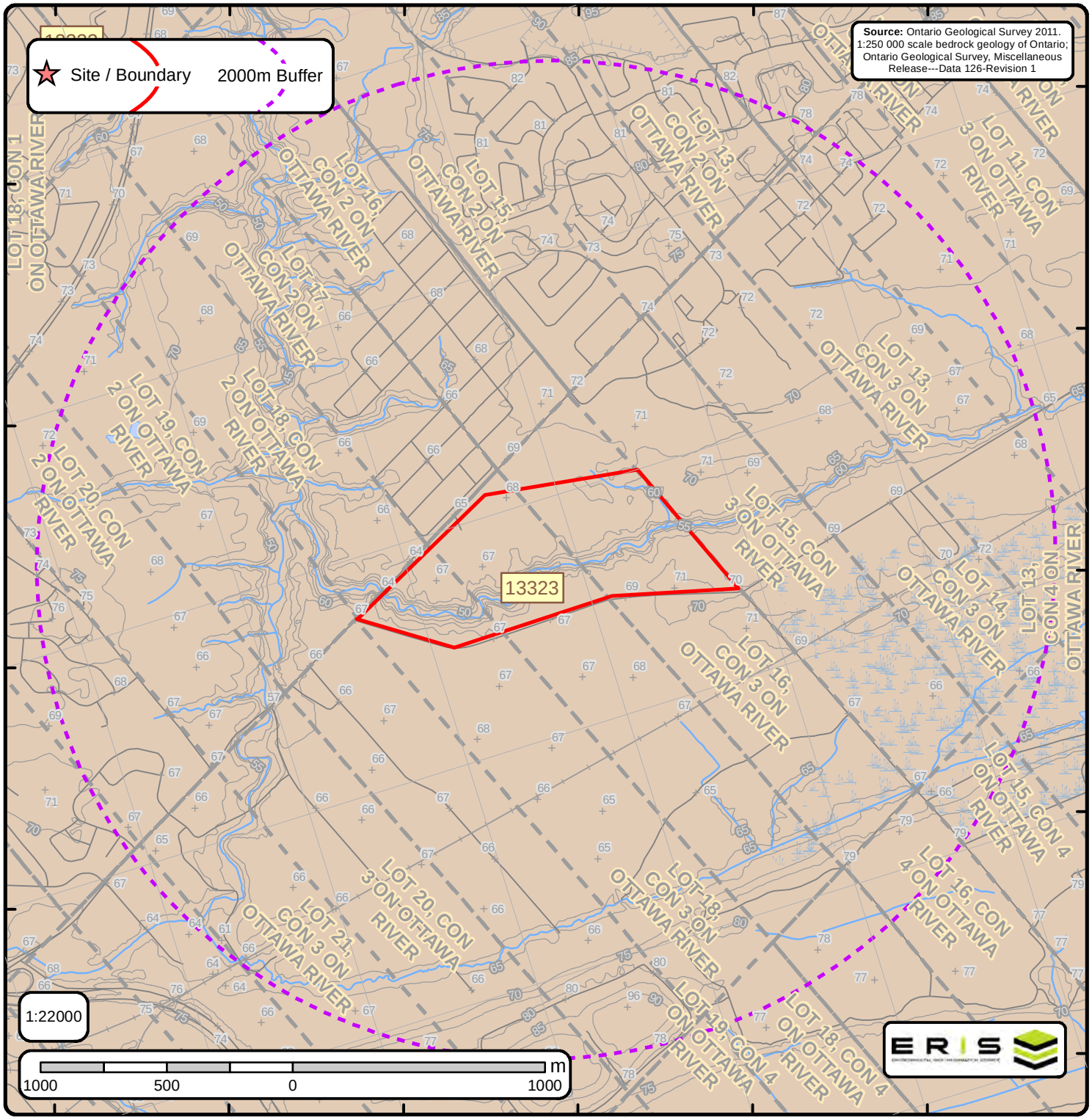
ANSI Units Found within 2000 m of
2244 Innes Rd, Ottawa, ON, K1B4C4

Order ID:
20160713066

ANSI Name: GREENS CREEK CONSERVATION AREA |
ID: 251213651 | **Type:** ANSI, Life Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):** 2692995.325 | **Comments:**

ANSI Name: Mer Bleue Bog |
ID: 251675017 | **Type:** ANSI, Earth Science | **Significance:** Provincial | **Management Plan:** | **Area (sqm):** 31128673.984 |
Comments:

ANSI Name: MER BLEUE BOG |
ID: 251213629 | **Type:** ANSI, Life Science | **Significance:** Provincial | **Management Plan:** No | **Area (sqm):** 31128673.984 |
Comments: Ansi, Life Science



Bedrock Geology of Ontario

Order No. 20160713066

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

Bedrock Geology Lines

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

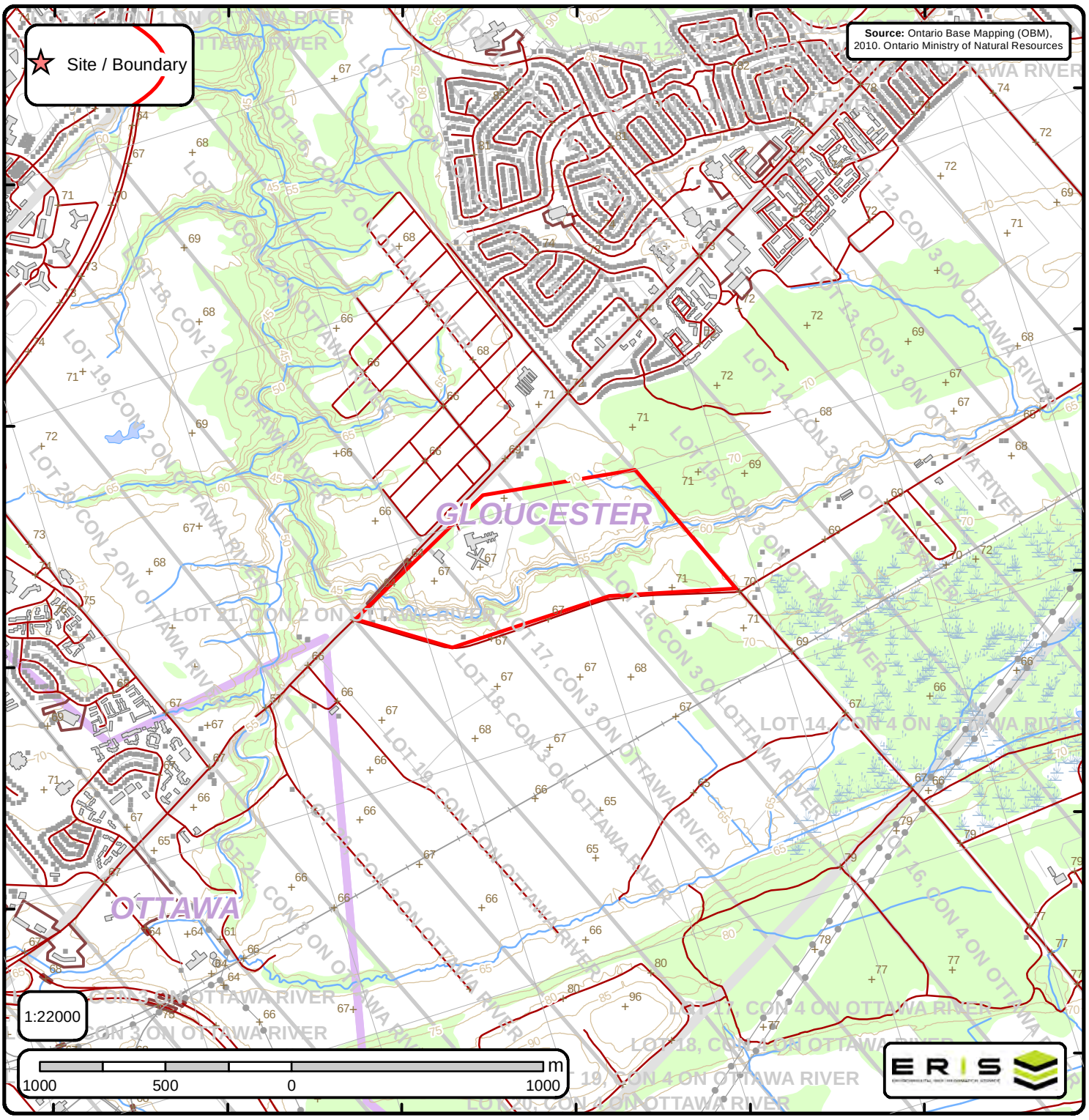
Dikes

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

C Lines

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

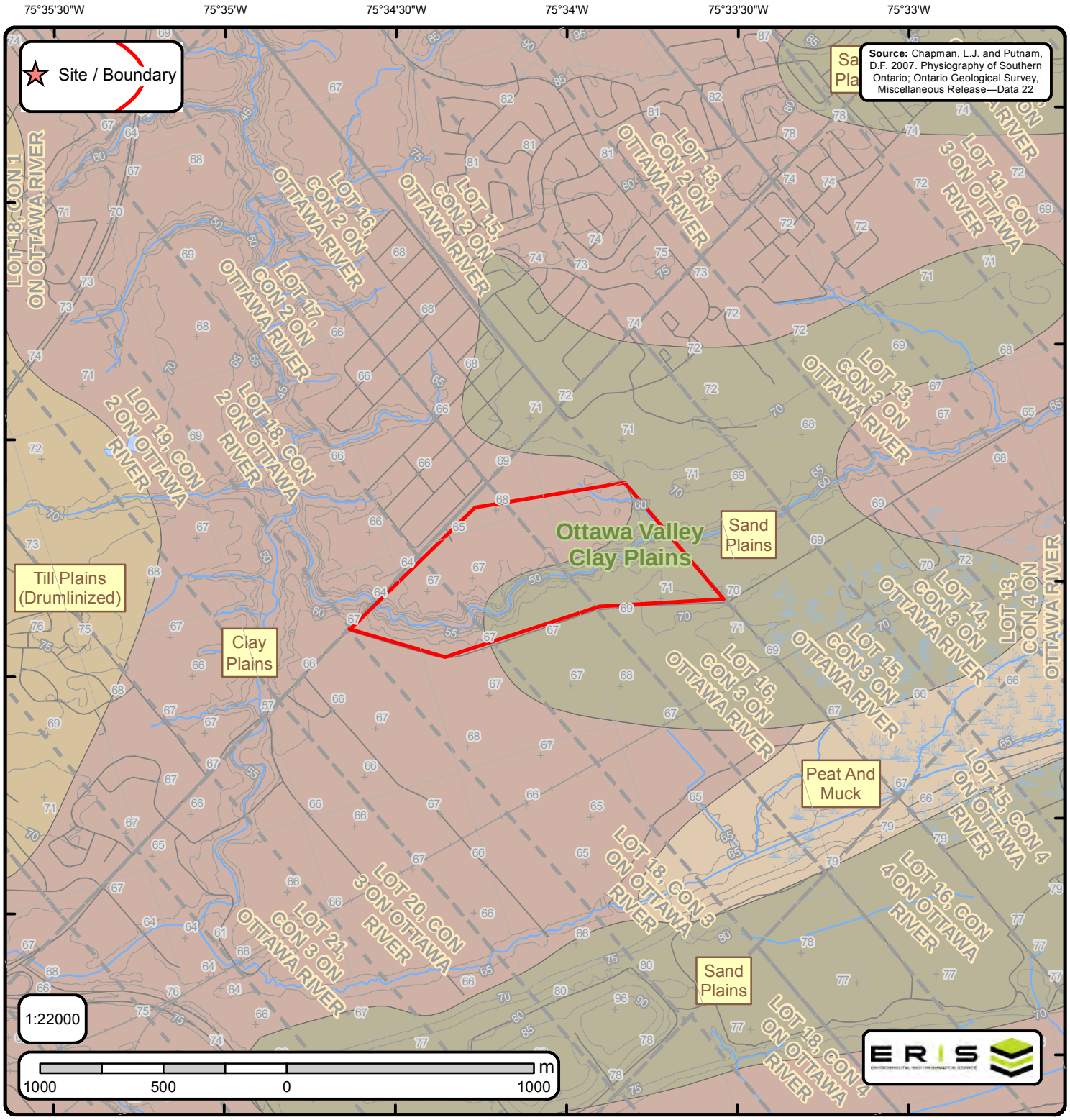
Kimberlite



Ontario Base Mapping (OBM) Data

Order No. 20160713066

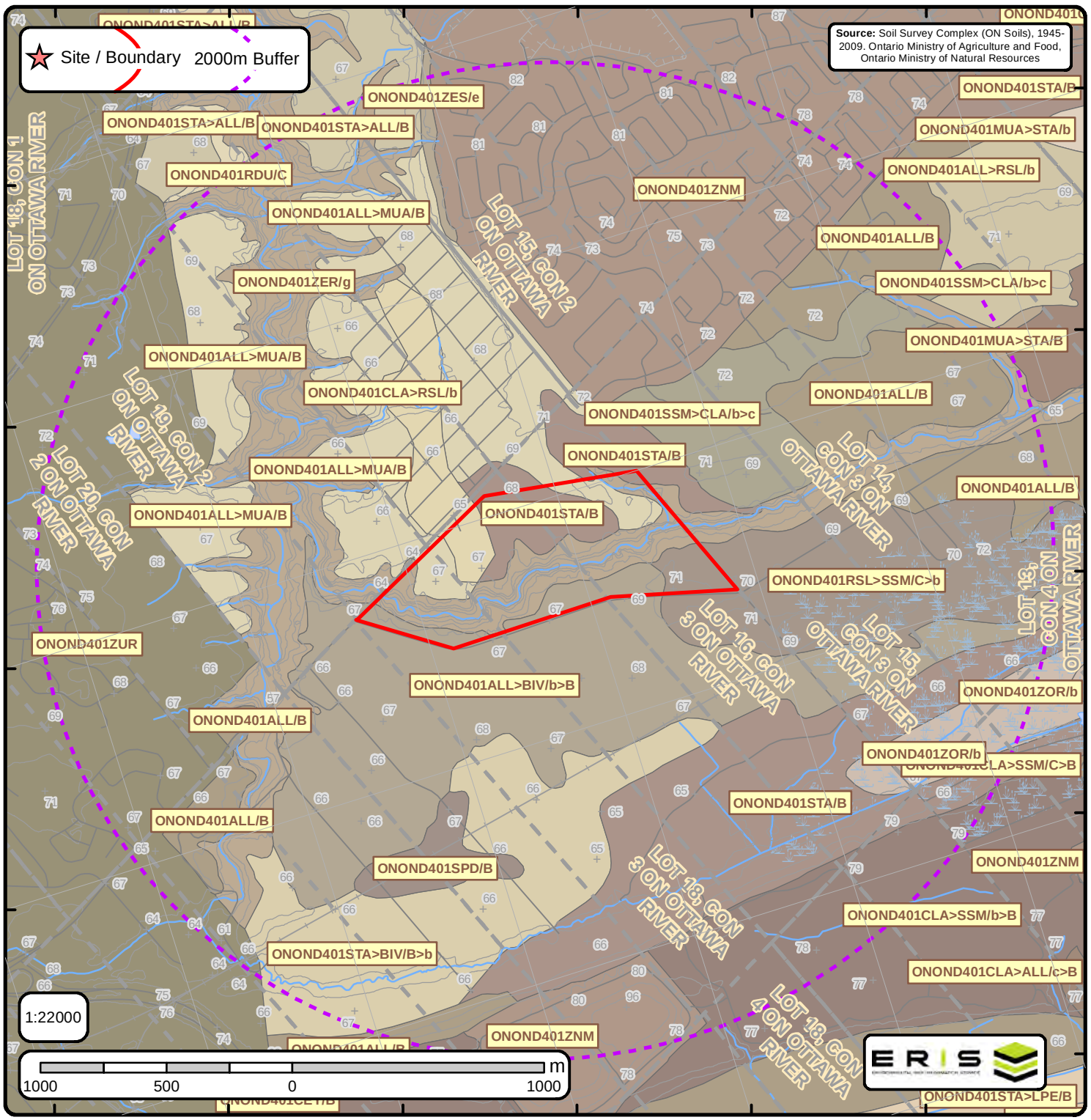
Spot Height (metre)	Transportation Structure	Contour Line	Wooded Area
Building Point	Utility Line	Pit or Quarry	Conservation Authority
Towers	Water Structure	Waterbody	Conservation Area
Utility Site Point	Drainage Line Feature	Wetlands	Municipal Park
Misc. Line	River or Stream	Concession	Provincial Park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



Physiography of Southern Ontario

Order No. 20160713066

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



Soil Survey Complex (ON Soils)

Order No. 20160713066

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

Soils Report

Soil Map Units Found within 2000 m of
2244 Innes Rd, Ottawa, ON, K1B4C4

Order ID:
20160713066

Map Unit: ONOND401ZUR **Soil Complex:** 1 of 1 **Area (sq m):** 85821000.0
Soil Type: ONZUR___ | **Percent:** 100 | **Code:** ZUR | **Name:** URBAN | **Symbol:** ZUR | **Parent Material:** | **Landscape:** | **Slope:** -9.000000 | **Class:** | **Range:** | **Stoniness:** | **CLI:** | **CLI1:** | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** | **Hydro:** | **Texture:** | **Modifier:** ___

Map Unit: ONOND401RDU/C **Soil Complex:** 1 of 1 **Area (sq m):** 50350.8984375
Soil Type: ONRDU___ | **Percent:** 100 | **Code:** RDU | **Name:** RIDEAU | **Symbol:** RDU | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** D | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 1 of 2 **Area (sq m):** 209823.0
Soil Type: ONALL___ | **Percent:** 70 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 2 of 2 **Area (sq m):** 209823.0
Soil Type: ONMUA___ | **Percent:** 30 | **Code:** MUA | **Name:** MOUNTAIN | **Symbol:** MUA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** FSL | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 1 of 2 **Area (sq m):** 543067.0
Soil Type: ONALL___ | **Percent:** 70 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 2 of 2 **Area (sq m):** 543067.0
Soil Type: ONMUA___ | **Percent:** 30 | **Code:** MUA | **Name:** MOUNTAIN | **Symbol:** MUA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** FSL | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 1 of 2 **Area (sq m):** 358879.0
Soil Type: ONALL___ | **Percent:** 70 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 2 of 2 **Area (sq m):** 358879.0
Soil Type: ONMUA___ | **Percent:** 30 | **Code:** MUA | **Name:** MOUNTAIN | **Symbol:** MUA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** FSL | **Modifier:** ___

Map Unit: ONOND401CLA>RSL/b **Soil Complex:** 1 of 2 **Area (sq m):** 216366.0
Soil Type: ONCLA___ | **Percent:** 70 | **Code:** CLA | **Name:** CARLSBAD | **Symbol:** CLA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** F | **CLI2:** M | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** A | **Texture:** LS | **Modifier:** ___

Map Unit: ONOND401CLA>RSL/b **Soil Complex:** 2 of 2 **Area (sq m):** 216366.0
Soil Type: ONRSL___ | **Percent:** 30 | **Code:** RSL | **Name:** RAMSAYVILLE | **Symbol:** RSL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** B | **Texture:** LS | **Modifier:** ___

Soils Report

Soil Map Units Found within 2000 m of
2244 Innes Rd, Ottawa, ON, K1B4C4

Map Unit: ONOND401ALL/B **Soil Complex:** 1 of 1 **Area (sq m):** 330945.0
Soil Type: ONALL___ | **Percent:** 100 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:**W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>RSL/b **Soil Complex:** 1 of 2 **Area (sq m):** 437540.0
Soil Type: ONALL___ | **Percent:** 70 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:**W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>RSL/b **Soil Complex:** 2 of 2 **Area (sq m):** 437540.0
Soil Type: ONRSL___ | **Percent:** 30 | **Code:** RSL | **Name:** RAMSAYVILLE | **Symbol:** RSL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:**F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** B | **Texture:** LS | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 1 of 2 **Area (sq m):** 143367.0
Soil Type: ONALL___ | **Percent:** 70 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:**W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>MUA/B **Soil Complex:** 2 of 2 **Area (sq m):** 143367.0
Soil Type: ONMUA___ | **Percent:** 30 | **Code:** MUA | **Name:** MOUNTAIN | **Symbol:** MUA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:**F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** FSL | **Modifier:** ___

Map Unit: ONOND401STA/B **Soil Complex:** 1 of 1 **Area (sq m):** 143374.0
Soil Type: ONSTA___ | **Percent:** 100 | **Code:** STA | **Name:** STE. ROSALIE | **Symbol:** STA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:**D | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401SSM>CLA/b>c **Soil Complex:** 1 of 2 **Area (sq m):** 388243.0
Soil Type: ONSSM___ | **Percent:** 70 | **Code:** SSM | **Name:** ST. SAMUEL | **Symbol:** SSM | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 5 | **CLI1:**F | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401SSM>CLA/b>c **Soil Complex:** 2 of 2 **Area (sq m):** 388243.0
Soil Type: ONCLA___ | **Percent:** 30 | **Code:** CLA | **Name:** CARLSBAD | **Symbol:** CLA | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** c | **Range:** 2 - 5 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:**F | **CLI2:** M | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** A | **Texture:** LS | **Modifier:** ___

Map Unit: ONOND401SSM>CLA/b>c **Soil Complex:** 1 of 2 **Area (sq m):** 27747.6992188
Soil Type: ONSSM___ | **Percent:** 70 | **Code:** SSM | **Name:** ST. SAMUEL | **Symbol:** SSM | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 5 | **CLI1:**F | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401SSM>CLA/b>c **Soil Complex:** 2 of 2 **Area (sq m):** 27747.6992188
Soil Type: ONCLA___ | **Percent:** 30 | **Code:** CLA | **Name:** CARLSBAD | **Symbol:** CLA | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** c | **Range:** 2 - 5 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:**F | **CLI2:** M | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** A | **Texture:** LS | **Modifier:** ___

Map Unit: ONOND401MUA>STA/B **Soil Complex:** 1 of 2 **Area (sq m):** 996374.0
Soil Type: ONMUA___ | **Percent:** 70 | **Code:** MUA | **Name:** MOUNTAIN | **Symbol:** MUA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** FSL | **Modifier:** ___

Map Unit: ONOND401MUA>STA/B **Soil Complex:** 2 of 2 **Area (sq m):** 996374.0
Soil Type: ONSTA___ | **Percent:** 30 | **Code:** STA | **Name:** STE. ROSALIE | **Symbol:** STA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** D | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401ALL/B **Soil Complex:** 1 of 1 **Area (sq m):** 317278.0
Soil Type: ONALL___ | **Percent:** 100 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401STA/B **Soil Complex:** 1 of 1 **Area (sq m):** 143295.0
Soil Type: ONSTA___ | **Percent:** 100 | **Code:** STA | **Name:** STE. ROSALIE | **Symbol:** STA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401ALL/B **Soil Complex:** 1 of 1 **Area (sq m):** 22359.0
Soil Type: ONALL___ | **Percent:** 100 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401CLA>SSM/b>B **Soil Complex:** 1 of 2 **Area (sq m):** 1354250.0
Soil Type: ONCLA___ | **Percent:** 70 | **Code:** CLA | **Name:** CARLSBAD | **Symbol:** CLA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** F | **CLI2:** M | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** A | **Texture:** LS | **Modifier:** ___

Map Unit: ONOND401CLA>SSM/b>B **Soil Complex:** 2 of 2 **Area (sq m):** 1354250.0
Soil Type: ONSSM___ | **Percent:** 30 | **Code:** SSM | **Name:** ST. SAMUEL | **Symbol:** SSM | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** | **CLI:** 5 | **CLI1:** F | **CLI2:** F | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL/B **Soil Complex:** 1 of 1 **Area (sq m):** 129074.0
Soil Type: ONALL___ | **Percent:** 100 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ZNM **Soil Complex:** 1 of 1 **Area (sq m):** 410331.0
Soil Type: ONZNM___ | **Percent:** 100 | **Code:** ZNM | **Name:** NOT MAPPED | **Symbol:** ZNM | **Parent Material:** | **Landscape:** | **Slope:** -9.000000 | **Class:** | **Range:** | **Stoniness:** | **CLI:** | **CLI1:** | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** | **Hydro:** | **Texture:** | **Modifier:** ___

Map Unit: ONOND401ZNM **Soil Complex:** 1 of 1 **Area (sq m):** 5683560.0
Soil Type: ONZNM___ | **Percent:** 100 | **Code:** ZNM | **Name:** NOT MAPPED | **Symbol:** ZNM | **Parent Material:** | **Landscape:** | **Slope:** -9.000000 | **Class:** | **Range:** | **Stoniness:** | **CLI:** | **CLI1:** | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** | **Hydro:** | **Texture:** | **Modifier:** ___

Soils Report

Soil Map Units Found within 2000 m of
2244 Innes Rd, Ottawa, ON, K1B4C4

Map Unit: ONOND401STA>ALL/B **Soil Complex:** 1 of 2 **Area (sq m):** 286875.0
Soil Type: ONSTA___ | **Percent:** 70 | **Code:** STA | **Name:** STE. ROSALIE | **Symbol:** STA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401STA>ALL/B **Soil Complex:** 2 of 2 **Area (sq m):** 286875.0
Soil Type: ONALL___ | **Percent:** 30 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ZES/e **Soil Complex:** 1 of 1 **Area (sq m):** 30751.5
Soil Type: ONZES___ | **Percent:** 100 | **Code:** ZES | **Name:** SCARP | **Symbol:** ZES | **Parent Material:** | **Landscape:** | **Slope:** 12 | **Class:** e | **Range:** | **Stoniness:** | **CLI:** 5 | **CLI1:** T | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** | **Texture:** | **Modifier:** ___

Map Unit: ONOND401CLA>SSM/b>B **Soil Complex:** 1 of 2 **Area (sq m):** 338388.0
Soil Type: ONCLA___ | **Percent:** 70 | **Code:** CLA | **Name:** CARLSBAD | **Symbol:** CLA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** F | **CLI2:** M | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** A | **Texture:** LS | **Modifier:** ___

Map Unit: ONOND401CLA>SSM/b>B **Soil Complex:** 2 of 2 **Area (sq m):** 338388.0
Soil Type: ONSSM___ | **Percent:** 30 | **Code:** SSM | **Name:** ST. SAMUEL | **Symbol:** SSM | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** | **CLI:** 5 | **CLI1:** F | **CLI2:** F | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ZER/g **Soil Complex:** 1 of 1 **Area (sq m):** 2789690.0
Soil Type: ONZER___ | **Percent:** 100 | **Code:** ZER | **Name:** ERODED CHANNEL | **Symbol:** ZER | **Parent Material:** | **Landscape:** | **Slope:** 37.500000 | **Class:** g | **Range:** | **Stoniness:** | **CLI:** 7 | **CLI1:** T | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** W | **Hydro:** | **Texture:** | **Modifier:** ___

Map Unit: ONOND401ALL>BIV/b>B **Soil Complex:** 1 of 2 **Area (sq m):** 1505720.0
Soil Type: ONALL___ | **Percent:** 70 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL>BIV/b>B **Soil Complex:** 2 of 2 **Area (sq m):** 1505720.0
Soil Type: ONBIV___ | **Percent:** 30 | **Code:** BIV | **Name:** BAINSVILLE | **Symbol:** BIV | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 2 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** VFSL | **Modifier:** ___

Map Unit: ONOND401ALL/B **Soil Complex:** 1 of 1 **Area (sq m):** 750300.0
Soil Type: ONALL___ | **Percent:** 100 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401RSL>SSM/C>b **Soil Complex:** 1 of 2 **Area (sq m):** 1120210.0
Soil Type: ONRSL___ | **Percent:** 70 | **Code:** RSL | **Name:** RAMSAYVILLE | **Symbol:** RSL | **Parent Material:** | **Landscape:** | **Slope:** 3.500000 | **Class:** C | **Range:** 2 - 5 | **Stoniness:** 0 | **CLI:** 4 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** B | **Texture:** LS | **Modifier:** ___

Soils Report

Soil Map Units Found within 2000 m of
2244 Innes Rd, Ottawa, ON, K1B4C4

Map Unit: ONOND401RSL>SSM/C>b **Soil Complex:** 2 of 2 **Area (sq m):** 1120210.0
Soil Type: ONSSM___ | **Percent:** 30 | **Code:** SSM | **Name:** ST. SAMUEL | **Symbol:** SSM | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 5 | **CLI1:** F | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ALL/B **Soil Complex:** 1 of 1 **Area (sq m):** 79846.0
Soil Type: ONALL___ | **Percent:** 100 | **Code:** ALL | **Name:** ALLENDALE | **Symbol:** ALL | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401STA>BIV/B>b **Soil Complex:** 1 of 2 **Area (sq m):** 902348.0
Soil Type: ONSTA___ | **Percent:** 70 | **Code:** STA | **Name:** STE. ROSALIE | **Symbol:** STA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401STA>BIV/B>b **Soil Complex:** 2 of 2 **Area (sq m):** 902348.0
Soil Type: ONBIV___ | **Percent:** 30 | **Code:** BIV | **Name:** BAINSVILLE | **Symbol:** BIV | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 2 | **CLI1:** W | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** C | **Texture:** VFSL | **Modifier:** ___

Map Unit: ONOND401STA/B **Soil Complex:** 1 of 1 **Area (sq m):** 1403560.0
Soil Type: ONSTA___ | **Percent:** 100 | **Code:** STA | **Name:** STE. ROSALIE | **Symbol:** STA | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** D | **CLI2:** W | **Survey:** OTTAWA CARLETON | **Drainage:** P | **Hydro:** D | **Texture:** C | **Modifier:** ___

Map Unit: ONOND401SPD/B **Soil Complex:** 1 of 1 **Area (sq m):** 116833.0
Soil Type: ONSPD___ | **Percent:** 100 | **Code:** SPD | **Name:** STAPLEDON | **Symbol:** SPD | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** B | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** 3 | **CLI1:** F | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** I | **Hydro:** B | **Texture:** LFS | **Modifier:** ___

Map Unit: ONOND401ZOR/b **Soil Complex:** 1 of 1 **Area (sq m):** 1670810.0
Soil Type: ONZOR___ | **Percent:** 100 | **Code:** ZOR | **Name:** ORGANIC | **Symbol:** ZOR | **Parent Material:** | **Landscape:** | **Slope:** 1.200000 | **Class:** b | **Range:** 0.5 - 2 | **Stoniness:** 0 | **CLI:** O | **CLI1:** | **CLI2:** | **Survey:** OTTAWA CARLETON | **Drainage:** VP | **Hydro:** D | **Texture:** ORG | **Modifier:** ___

Soils Report Metadata

Soil Survey Complex (ON Soils)

ONTARIO MINISTRY OF AGRICULTURE AND FOOD
MINISTRY OF NATURAL RESOURCES
1945-2009

Map Unit - The SOIL MAPUNIT is the basic element of an applied soil classification resulting from detailed soil surveys. Soil Map unit is comprised of one or more soil survey polygons. The MAPUNIT field was generated for each polygon by appending the PROVINCE and NSDB-ID codes with the MAP UNIT symbol that identified that polygon on the original printed soil map. The MAPUNIT usually encodes meaningful information about the soil type and topography; the same information which is found in the Component table. Within any one survey, a group of polygons with similar properties may be coded with the same MAPUNIT.

Soil Type - Identifies a specific soil profile.

Percent - Proportion of the area of the Soil Map Unit occupied by a specific soil component, expressed as a percent. For any particular SOIL MAPUNIT, the sum of the individual. Soil Map Unit Component Area values must be equal to 100%.

Code - Three letter CANSIS code for identifying soils. **Name** - Textual identifier of the soil. **Symbol** - Soil symbol as found in the soil Mapunit.

Survey - Name describing the geographic location where the Soil Survey was completed. Typically the name denotes an administrative boundary of an Upper Tier municipality that occurred at the time of the Soil Survey.

Slope - Predominant slope of the landscape expressed as a percent (%). Slope steepness is often referred to by Class.

Class	Range (%)	Terminology
A	0.0 - 0.5	Level
B	0.5 - 2	Nearly level
C	2.0 - 5	Very gentle slopes
D	5.0 - 9	Gentle slopes
E	9.0 - 15	Moderate slopes
F	15 - 30	Strong slopes
G	30 - 45	Very strong slopes
H	45 - 70	Extreme slopes
I	70 - 100	Steep slopes
J	> 100	Very steep slopes

Stoniness - Occurrence of surface stoniness

Code	
-	Not Applicable
0	Non-stony
1	Slightly stony
2	Moderately stony
3	Very stony
4	Exceedingly stony
5	Excessively stony

Drainage - Indicates classification of how well the soil drains.

Code	
-	Not Applicable
VR	Very Rapidly
R	Rapidly
W	Well
MW	Moderately Well
I	Imperfectly
P	Poorly
VP	Very Poorly

Texture - Describes the soil texture of the A Horizon in the soil profile.

Code	
S	coarse sand and loamy sand
SL	moderately coarse sandy loam
L	medium - moderately fine loam
SIL	silt loam
CL	clay loam
SIC	silty clay
C	clay
O	organic

CLI - Classification of soil and land physical and climatic capability for the production of common field crops as part of the Canada Land Inventory (CLI).

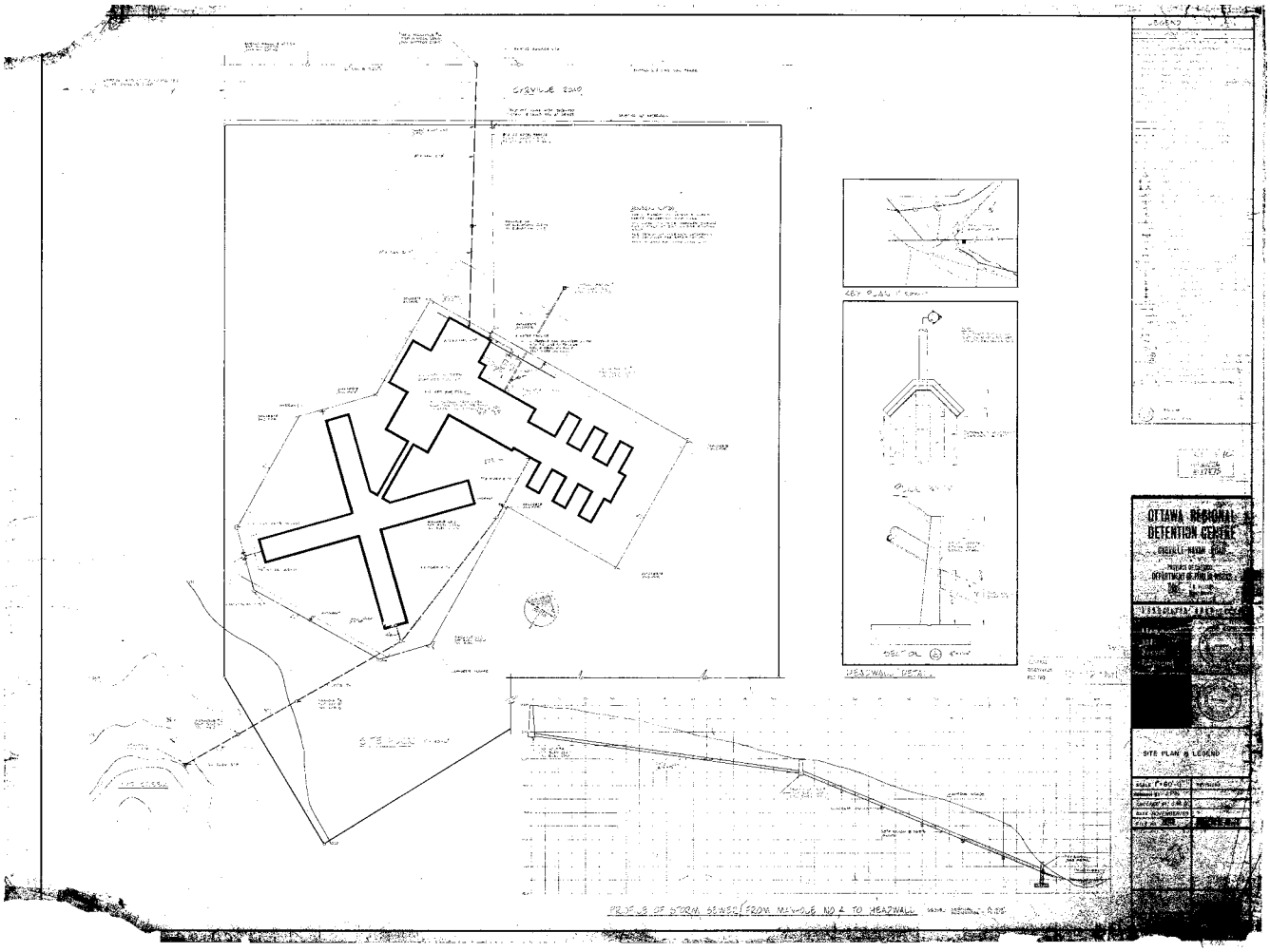
Class 1 No significant limitations in use for Crops
Class 2 moderate limitations on use for crops
Class 3 moderately severe limitations on use for crops.
Class 4 Severe limitations on use for crops.
Class 5 Very severe limitations preclude annual cultivation; improvements feasible.
Class 6 Natural grazing only; no improvements feasible.
Class 7 No capability for agriculture.

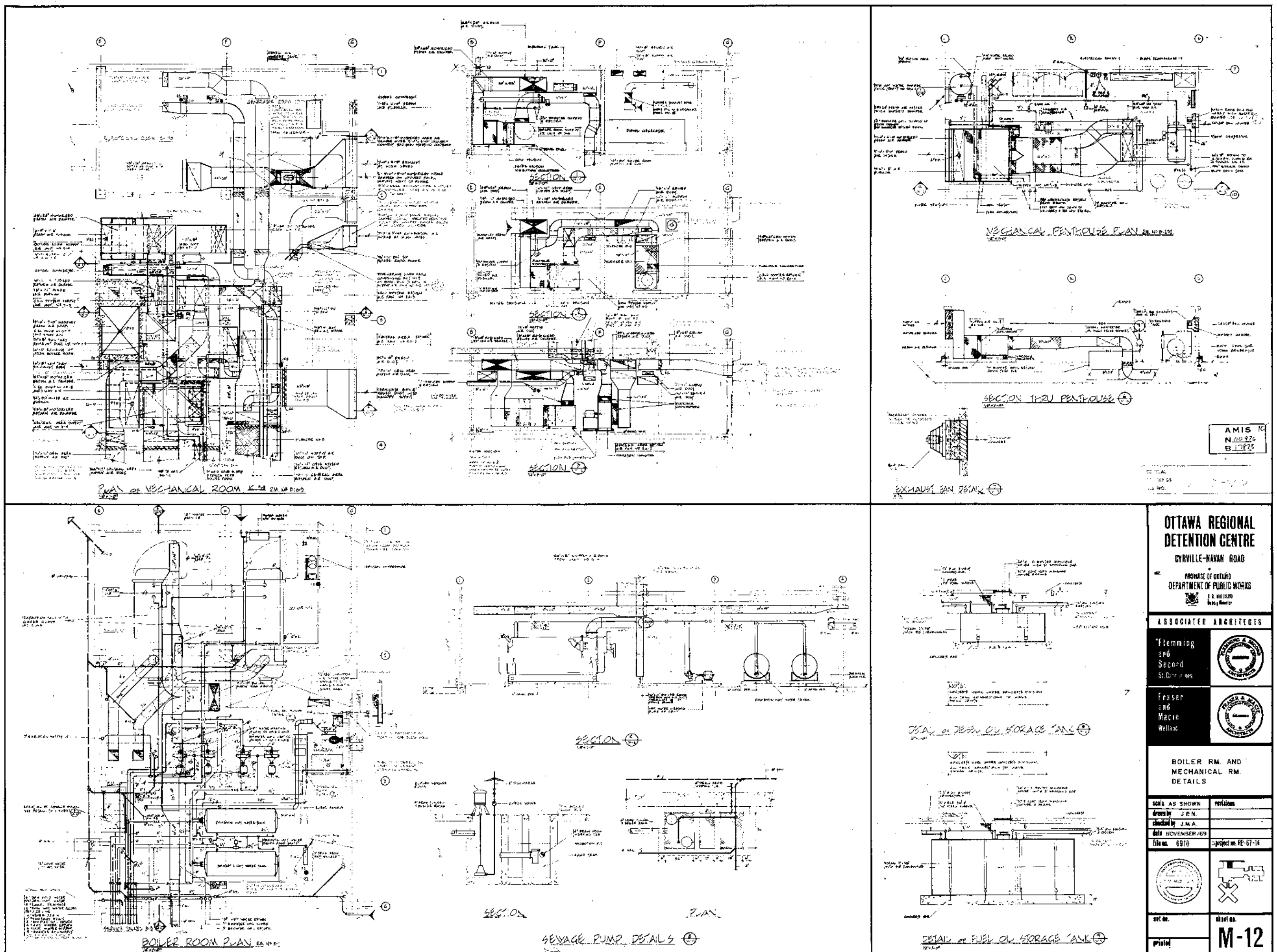
CLI1 and CLI2 - First and Second CLI (Canada Land Inventory) Limitation Subclass

Subclass C Land subject to crop heat unit regimes of under 2300 (i.e. adverse Climate)
Subclass D Adverse soil structure (i.e. Depth of rooting zone is restricted)
Subclass E Loss of soil profile from Erosion
Subclass F Low inherent soil Fertility
Subclass I Subject to occasional flooding (Inundation) from adjacent streams or waterbodies
Subclass M Low inherent Moisture holding capacity
Subclass P Presence of surface stones > 15 cm diameter.
Subclass R Presence of consolidated bedrock within one metre of the soil surface
Subclass S Presence of a combination of the Subclasses F and M, or, the presence of a combination of the Subclasses P and R (i.e. adverse soil characteristics)
Subclass T Presence of adverse Topography

Hydro – Hydrological Soil Groups classify soils into 4 groups (A,B,C,and D) according to water run-off and infiltration rates.

A Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel.
B Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures.
C Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture.
D Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material.


CRESTLINE ROAD
KEY PLAN
HEADWALL DETAIL
SITE PLAN
PROFILE OF STORM SEWER FROM MANHOLE NO 4 TO HEADWALL
OTTAWA REGIONAL DETENTION CENTRE
SITE PLAN & LEGEND



PLAN OF MECHANICAL ROOM
SECTION
MECHANICAL PENTHOUSE PLAN
SECTION THRU PENTHOUSE
BOILER ROOM PLAN
SEWAGE PUMP DETAILS
PLAN
AMIS
N 60976
B 17823
OTTAWA REGIONAL
DETENTION CENTRE
CYRVILLE-NAVAN ROAD
PROVINCE OF ONTARIO
DEPARTMENT OF PUBLIC WORKS
ASSOCIATED ARCHITECTS
Flemming
and
Secord
Fraser
and
Macie
Welland
BOILER RM. AND
MECHANICAL RM.
DETAILS
scale AS SHOWN
revisions
drawn by J.P.N.
checked by J.M.A.
date NOVEMBER/69
file no. 6910
project no. RE-67-14
set no.
printed
sheet no.
M-12

Appendix H
Site Photographs

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

Photo No. 1.	
Date: August 5, 2016	
Description: View of the main entrance to the OCDC building.	

Photo No. 2.	
Date: August 5, 2016	
Description: View of the concrete pad associated with the USTs below the main entrance parking lot, north of the OCDC building.	

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

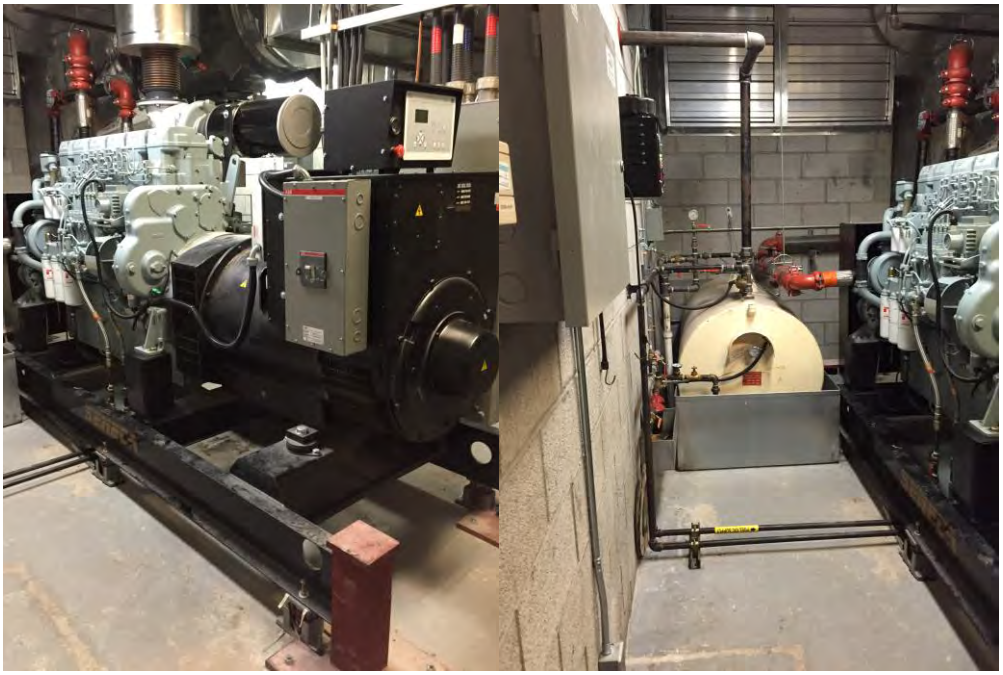
Photo No. 3.	
Date: August 5, 2016	
Description: View of the AST and associated back-up generator in the ground floor Generator Room within Block B. .	

Photo No. 4.	
Date: August 5, 2016	
Description: View of the AST and the sump equipped with a pump in the AST Room in the basement of Block B	

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

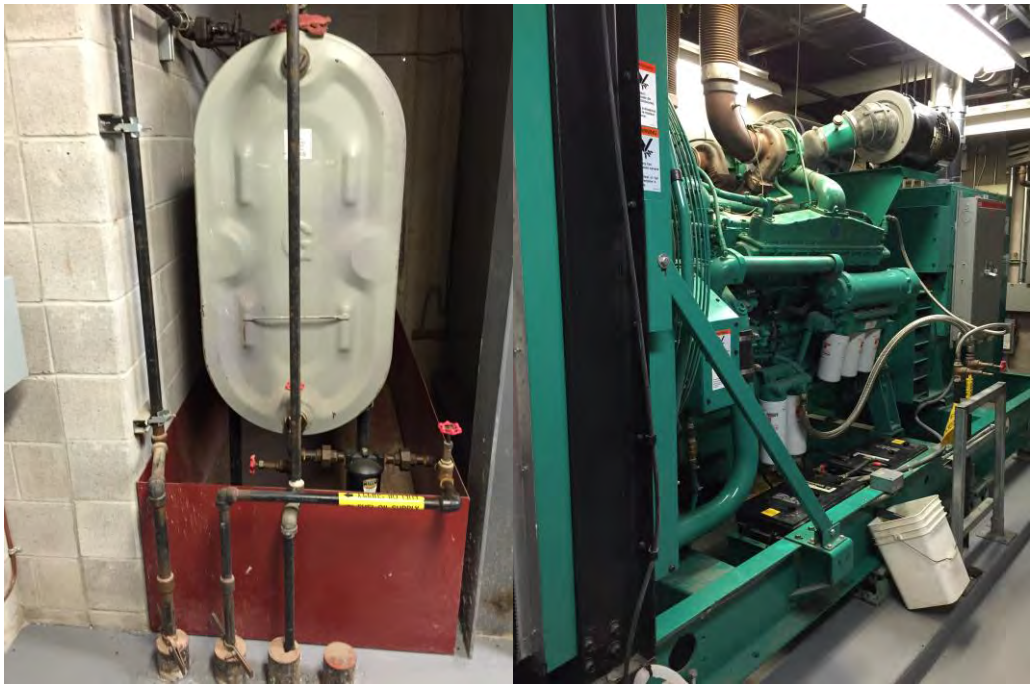
Photo No. 5.	
Date: August 5, 2016	
Description: View of the AST and back-up generator in the AST on the ground floor within Block D. Note the bucket placed below the leaking fuel line. .	

Photo No. 6.	
Date: August 5, 2016	
Description: View of the sump equipped with a pump within the boiler room in Block B	

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

Photo No. 7.	
Date: August 5, 2016	
Description: View of the auger grinder within the main entrance parking lot, north of the OCDC building. .	

Photo No. 8.	
Date: August 5, 2016	
Description: View of the fill and vent pipes located on the north side of Block B (left) and on the north side of Block D (right)	

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

Photo No. 9.	
Date: August 5, 2016	
Description: View of the storm water retention pond. .	

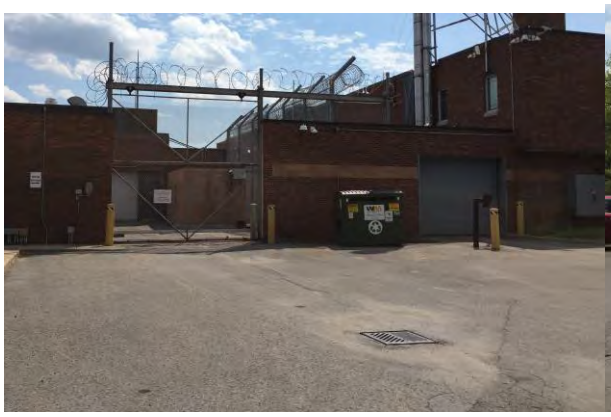
Photo No. 10.	
Date: August 5, 2016	
Description: View of the de-icing salt and the jerry cans stored within the north storage container. .	

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

Photo No. 11.	
Date: August 5, 2016	
Description: View of the two (2) garage bays within the maintenance garage, and the interceptor trench associated with the south garage bay.	

Photo No. 12.	
Date: August 5, 2016	
Description: View of the two (2) ASTs located adjacent to the storm water retention pond, south of the OCDC building.	

Client Name:	Site Location:	Project No.
Colliers Project Leaders	2244 Innes Road, Ottawa	16868

Photo No. 13.	
Date: August 5, 2016	 
Description: View of cracked pavement within vaious locations	