Phase One Environmental Site Assessment

Hillside Vista Walk Up Condominiums (Blocks 1-5), St, Joseph Boulevard and Tenth Line Road, Ottawa, Ontario

Client:
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Phoenix Homes
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Ottawa, Ontario K2E 6T8

Project Number:
OTT-00241432-A0

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Type of Document:
Final

Date Submitted:
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Date Submitted:
August 28, 2017

Legal Notification

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Executive Summary

Exp Services Inc. (**exp**) was retained by Phoenix Homes to complete a Phase One Environmental Site Assessment (ESA) of the property referred to as Blocks 1-5 of Hillside Vista Walk Up Condominiums (St. Joseph Boulevard and Tenth Line Road), located in Ottawa, Ontario, herein referred to as the "Site." The purpose of this Phase One ESA was to determine if past or present site activities have resulted in actual or potential contamination at the Site. **Exp** understands that Phoenix Homes is planning to develop the Site with 5 blocks of condominiums. Consequently, this Phase One ESA will be used in support of the City of Ottawa Site Plan Approval permitting requirements and that a Record of Site Condition (RSC) is not required.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Section 8 of this report.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property, however, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

The Site spans a total of three (3) lots which are located 30 m south of Eric Czapnik Way and 80 m west of Tenth Line Road and is referred to as blocks 1-5 of Hillside Vista Walk Up Condominiums. A portion of the Site is also known as 241 Centrum Boulevard.

The surrounding area of the Site was observed to be developed with residential houses to the north and south, and a medium density housing complex to the east. No environmentally sensitive activities or infrastructures that could present any environmental concerns to the Site were observed on the adjacent properties based on observations made from the boundaries of the Site.

Topographically, the Site is relatively flat with a slight northward slope however this is difficult to ascertain at the time due to the significant amounts of fill located at the Site. The surrounding area has a slight downwards slope towards the north. The closest body of water is the Ottawa River, located approximately 1,100 meters north of the Site. The groundwater flow direction is inferred to be north towards the Ottawa River.

Based on the results of the Phase One ESA, the following information is provided in Table EX-1 in support of the Phase One QP's conclusion.

Table EX-1: **Areas of Potential Environmental Concern**

Area of Potential Environmental Concern (APEC)	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contribution to APEC at the Site (Yes/No)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)	Contaminates of Concern
1. Fill piles	#30 – Importation of Fill Material of Unknown Quality	On-Site	Yes	Soil	Metals, petroleum hydrocarbons (PHC) and polycyclic aromatic hydrocarbons (PAH)

To reduce the degree of uncertainty surrounding the environmental concerns identified during this Phase One ESA, a Phase Two ESA is recommended and the rationale for proposing such recommendations are provided below in Table EX-2.

Table EX-2: Issues Identified, Recommendations and Rationale

Issue Identified	Recommendation	Rationale
Potential impacts in soil and groundwater from the off-site RFOs, automotive garages, spill and dry cleaner.	Obtain representative soil samples from boreholes and/or test pits as part of the proposed geotechnical investigation to collect soil for metals, PAH and PHC analyses to assess disposal options during site development.	To assess soil conditions at the Site.

This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.

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1. Introduction

Exp Services Inc. (**exp**) was retained by Phoenix Homes to complete a Phase One Environmental Site Assessment (ESA) of the property referred to as Blocks 1-5 Hillside Vista Walk Up Condominiums at St. Joseph Boulevard and Tenth Line Road in Ottawa, Ontario, hereinafter referred to as the 'Site'. A site location plan is presented as Figure 1 in Appendix B. At the time of the investigation, the Site was owned by Phoenix Homes.

Owner Contact: Mr. Michael Boucher
Phoenix Homes
18A Bentley Avenue
Ottawa, Ontario K2E 6T8

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by Ontario Regulation 153/04, as amended by Ontario Regulation 511/09 (O.Reg. 153/04), and in accordance with generally accepted professional practices. Subject to this standard of care, **exp** makes no express or implied warranties regarding its services and no third-party beneficiaries are intended. The scope of report and third party reliance are outlined in Appendix A.

1.1 Objective

Exp understands that the Site is to be redeveloped with five (5) condominium blocks. Consequently, the objective of this Phase One ESA was to identify potential sources of environmental concern to the subject property. **Exp** understands this Phase One ESA will be used for in support of the City of Ottawa Site Plan Approval permitting requirements and that a Record of Site Condition is not required.

1.2 Phase One Property Information

The Site is currently vacant and is located at the corner of St. Joseph Boulevard and Tenth Line Road, Ottawa, Ontario. The Site is generally rectangular in shape with irregular edges, covers an area of approximately 1.08 hectares and is located 30 m south of Erick Czapnik Way and 80 m west of Tenth Line Road. A site plan is presented as Figure. 2 in Appendix B.

The Site spans a total of three (3) separate lots which are legally described as:

Lot 1 (western portion of Site): BLOCK 5, PLAN 4M1542 SUBJECT TO AN EASEMENT AS IN OC1723609 SUBJECT TO AN EASEMENT AS IN OC1723610 SUBJECT TO AN EASEMENT IN GROSS AS IN OC1723611 SUBJECT TO AN EASEMENT AS IN OC1828333 CITY OF OTTAWA

Lot 2 (central section of Site, part of lot): PART LOT 35, CONCESSION 1 OLD SURVEY, CUMBERLAND DESIGNATED AS PART 7, PLAN 4R20233, TOGETHER WITH EASEMENT OVER PART LOT 35, CONCESSION 1 OLD SURVEY, CUMBERLAND DESIGNATED AS PART 3, PLAN 4R20233 AS IN OC501130 TOGETHER WITH AN EASEMENT OVER PART LOT 35, CONCESSION 1 OLD SURVEY, CUMBERLAND DESIGNATED AS PART 6, PLAN 4R20233 AS IN OC501130; TOGETHER WITH AN EASEMENT OVER PART LOT 35, CONCESSION 1 OLD SURVEY, CUMBERLAND DESIGNATED AS PARTS 1 TO 22, PLAN 4R20025 AS IN OC500921; SECONDLY: BLOCK 4, PLAN 4M1542, EXCEPT PARTS 1 TO 30, PLAN 4R29172, SUBJECT TO EASEMENT OVER PARTS 1, 2, 7 TO 12, PLAN 4R20025 AS IN OC500921; SUBJECT TO EASEMENT AS IN OC1723609, SUBJECT TO EASEMENT AS IN

OC1723610, SUBJECT TO EASEMENT IN GROSS AS IN OC1723611, SUBJECT TO EASEMENT AS IN OC1828333 CITY OF OTTAWA.

Lot 3 (eastern portion of Site): BLOCK 2, PLAN 4M1542. SUBJECT TO AN EASEMENT OVER PARTS 2 AND 12 ON PLAN 4R20025 AND PART 13 ON PLAN 4R25841 AS IN OC500921. SUBJECT TO AN EASEMENT OVER PART 15 ON PLAN 4R25841 EXCEPT PART 8 ON PLAN 4R26371 AS IN OC713790. SUBJECT TO AN EASEMENT AS IN OC1723609 SUBJECT TO AN EASEMENT AS IN OC1723610 SUBJECT TO AN EASEMENT IN GROSS AS IN OC1723611 SUBJECT TO AN EASEMENT AS IN OC1828333 CITY OF OTTAWA.

The portion of lot 2 that makes up the Site is also referred to as 241 Centrum Boulevard, Ottawa, Ontario.

Topographically, the Site is relatively flat with a slight northward slope however this is difficult to ascertain at the time due to the significant amounts of fill located at the Site. The surrounding area has a slight downwards slope towards the north. The closest body of water is the Ottawa River, located approximately 1,100 meters north of the Site. The groundwater flow direction is inferred to be north towards the Ottawa River.

Regional groundwater flow direction is inferred to be in the northwestern direction towards the Ottawa River. The approximate Universal Transverse Mercator (UTM) coordinates for the Site centroid is NAD83, Zone 18, 460623.55 m E, 5036821.14 m N. The UTM coordinates were based on an estimate derived using Google Earth™. The accuracy of the centroid is estimated to range from 5 to 50 m.

2. Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the site through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an EcoLog Environmental Risk Information Services Ltd. (ERIS) report for the site and surrounding properties within a 250 metre radius of the site;
- Reviewing available geological maps, well records and utility maps for the vicinity of the site;
- Obtaining a search of land title and assessment rolls for the site;
- Conducting at least one site reconnaissance of the site and building facilities in order to identify the presence of actual and/or potential environmental contaminants or concerns of significance;
- Conducting interviews with designated site representative(s) as a resource for current and historical site information, as well as to provide **exp** staff with unrestricted access to all areas of the site and site buildings (as required by O.Reg 153/04);
- Reviewing the current use of the site and any land use practices that may have impacted its environmental condition;
- Reviewing the current use of the surrounding properties and any land use practices that may have impacted the environmental condition of the site; and,
- Preparing a report to document the findings.

In completing the scope of work, **exp** did not conduct any intrusive investigations, including sampling, analyses, or monitoring.

Exp has confirmed neither the completeness nor the accuracy of any of the records that were obtained or of any of the statements made by others.

Exp personnel who conducted assessment work for this project included Matthew Laneville, B.A., and Mark McCalla, P. Geo. An outline of their qualifications is provided in Appendix A.

3. Records Review

3.1 Phase One ESA Study Area Determination

The Phase One ESA study area consisted of the neighbourhood and extending a distance of 250 metres from the Site. Surrounding properties consist of mainly residential including single-family homes to the north and south, a low-rise residential building to the adjacent east and vacant property to the west. It is noted that the Ottawa River is located approximately 1,100 m to the north of the site. A site plan is presented as Figure 2 in Appendix B.

3.2 First Developed Use Determination

Based on a review of historical aerial photographs, chain of title for the property, historical maps, and other records review, it appears that development at the Site first began in 2014 when land clearing operations started.

3.3 Fire Insurance Plans

A search of The Catalogue of Canadian Fire Insurance Plans 1875 – 1975 (Catalogue) was conducted to determine if fire insurance plans (FIPs) for the site existed. No FIPs were available for the site.

3.4 Chain of Title

A chain of title was requested from Read Abstracts Inc. for the subject site. Based on the information gathered from the title search, the following was found:

The last registered owner is Hillside Vista Inc. Hillside Vista Inc. has owned the property since 2011. Prior to that, it appears that the ownership / deeds of the land changed thirty-five (35) times dating back to 1861 and was limited to private ownership until 1974. From 1977 – 2011 ownership varied between private, corporate and municipal ownership. No notable environmental concerns were identified based on the title search.

Refer to Appendix C for the title search.

3.5 Previous Reports

No previous reports were provided to **exp** for the Site as part of the Phase One ESA.

3.6 Regulatory Environmental Source Information

The appropriate regulatory agencies at the provincial and municipal levels were contacted to obtain information regarding environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues and Sewer Use By-Law infractions. **Exp** did not identify the need to contact any federal agencies.

The following agencies were contacted:

- The Ontario Ministry of the Environment and Climate Change (MOECC) Freedom of Information, Protection of Privacy Office; and,
- The City of Ottawa.

Written responses from the regulatory agencies and copies of the requests are included in Appendix C.

3.6.1 Ontario Ministry of the Environment and Climate Change Records

Records pertaining to the site were requested from the MOECC through the *Freedom of Information and Protection of Privacy Act* (FOI). Their response indicated that there were no records available for this property. A copy of the response is provided in Appendix C.

- On August 1, 2017, the MOECC Environmental Bill of Rights (EBR) registry website was searched by ERIS for postings in the vicinity of the subject site using 250 m radius. No postings were listed.
- On August 1, 2017, the MOECC Hazardous Waste Information Network (HWIN) database was searched by ERIS for registered waste generators in the vicinity of the subject site. No postings were listed.
- On August 1, 2017, the MOECC Brownfields Registry website was searched by ERIS for postings of Records of Site Condition (RSC). No postings were listed.

These searches do not represent environmental concerns.

3.6.2 Municipal Records

3.6.3.1 City Hall Records

A request for the Site was made to the City of Ottawa for the Hazardous Land Use Index (HLUI). No response has yet been received. A copy of the response request is provided in Appendix C.

3.6.3.2 City Directory Search

Exp reviewed city directories dating from 1960 to 2011 from an ERIS search of Vernon's Ottawa in order to identify the occupancy history of the site and neighbouring properties for potential environmental concerns. A copy of the directory search is included in Appendix G. The following table summarizes the directory search.

Table 3.1: City Directory Search

Address	Distance/ Direction from Site	Year	Occupant	APEC (yes/no)
Hillside Vista	Site	1960 - 2011	Not Listed	No
205 Erick Czapnik Way	Adjacent to Site (North)	1960 – 2011	Not Listed	No
3265 St Joseph Boulevard	Adjacent to Site (South)	2011	Muliti-tenant residential	No
		1960 – 2005/06	Not Listed	
3259 St Joseph Boulevard	Adjacent to Site (South)	2005/06 – 2011	Not Listed	No
		1995/96 – 2000/01	Residential	
		1960 – 1990	Not Listed	
3251 St Joseph Boulevard	Adjacent to Site (South)	2011	Not Listed	No
		2000/01 – 2005/06	Residential	
		1960 – 1995/96	Not Listed	

3245 St Joseph Boulevard	Adjacent to Site (South)	2011	Insulation Contractor	No
		195/96 – 2005/06	Residential	
		1960 – 1990	Not Listed	
3227 St Joseph Boulevard	50 m southwest	1995/96 - 2011	Residential	No
		1960 - 1990	Not Listed	
3343 St. Joseph Boulevard	66 m east	1960 - 2011	Not Listed	No
345 Centrum Boulevard	70 m west	2005/06 – 2011	Not Listed	No
		1995/96 – 2000/01	Multi tenant residential	
		1960 - 1990	Not Listed	

Based on review of the City Directories, the Site and surrounding properties do not represent APECs.

3.7 Land Use Documents

A review of the following publications was carried out as part of this Phase One ESA:

- Old Landfill Management Strategy Phase 1 – Identification of Sites, City of Ottawa, Ontario (Golder Associates, October 2004);
- Inventory of Coal Gasification Plant Waste Sites in Ontario (Intera, April 1987);
- Mapping and Assessment of Former Industrial Sites – City of Ottawa (Intera, July 1988); and,
- Ontario Inventory of PCB Storage Sites (Ontario Ministry of the Environment; 1993).

3.7.1 Old Landfill Management Strategy Phase 1 – Identification of Sites - Golder (2004)

No former landfills were identified within 250 m of the subject site. In addition, there is no visual evidence of a landfill in the area.

3.7.2 Inventory of Coal Gasification Plant Waste Sites in Ontario - Ontario MOE (1987)

There were no coal gasification plants identified within 250 m of the subject site.

3.7.3 Mapping and Assess Former Industrial Sites – Intera (1988)

There are no Intera sites identified within 250 m of the subject Site.

3.7.4 Ontario Inventory of PCB Storage Sites - Ontario MOE (1993)

No records pertaining to PCB storage sites were identified within 250 m of the subject site in this document.

3.8 EcoLog ERIS Database Search

A search of provincial and federal databases for records pertaining to the subject site and properties within 250 metres of the subject site was conducted by EcoLog Environmental Risk Information Services (or

EcoLog ERIS). EcoLog ERIS is an environmental database and information service provider. **Exp** has confirmed neither the completeness nor the accuracy of the records that were provided. A summary of the more significant findings is provided below. A copy of the EcoLog ERIS report is provided in Appendix D.

Based on the EcoLog search, the following was identified:

- An environmental compliance approval for municipal and private sewage works was identified at 241 Centrum Boulevard (Site). Due to the nature of the approvals, these are not considered APECs.
- A spill was reported in 2016 located at 3275 St. Josephs Boulevard (80 m southeast of the Site). The incident summary was described as a sill of methane to the air. Due to the nature of this spill, this is not considered an APEC.
- A certificate of approval was identified for municipal and private sewage in 2011 and 2012 at 3291 St. Joseph Boulevard (95 m east of the Site). Due to the nature of the approvals, these are not considered APECs.
- Numerous boreholes and water wells were identified at various distances from the Site. Due to the nature of these entries they do not represent APECs.

3.9 Physical Setting Review

3.9.1 Aerial Photographs

The following table summarizes the development and land use history of the subject site and adjacent properties as depicted on the reviewed aerial photographs.

Table 3.1: Development and Land Use History Summary

Aerial Photograph (year)	Details
1976	The Site appears to be used for agricultural purposes. The adjacent property located to the north east of the Site is occupied by a building with a different footprint (small residential or agricultural structure) to the current building located at 205 Eric Czapnik Way. Neighbouring properties appear to be developed with residential housing to the south. Regional Road 174 can be seen to the north.
1991	The Site remains vacant and residential properties to the south remain unchanged. The Site appears to have been worked however, no structures are present on the Site. Residential development has occurred across Regional Road 174 and high density residential developments have occurred to the west of the Site.
1999	There are no apparent changes to the site or neighbouring properties. Tenth Line Road has been constructed and is observed to the east of the site.
2002	There are no apparent changes to the Site or directly adjacent properties. A police station has been constructed to the east of Tenth Line Road (3343 Tenth Line Road).
2005	There are no apparent changes to the Site. The single family residential properties to the south of the Site have been redeveloped into medium density residential.
2009	There are no apparent changes to the Site or neighbouring properties.
2014	The Site has begun to be prepped for development (clearing of land). The property adjacent to the east (205 Eric Czapnik Way) is present in its current configuration.
2017	The property to the north of the Site has been developed and is currently undergoing development of medium density residential structures. There are no apparent changes to the Site.

Based on the review of the aerial photography, APECs were not identified at the site or the surrounding properties.

3.9.2 Geology, Hydrogeology and Topography

The following information sources were reviewed to determine the nature of the subsurface materials at the site:

1. *Bedrock Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
2. *Surficial Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
3. Ontario Geotechnical Boreholes – Electronic Resource.
4. MOE Water Well Records – Electronic Resource.
5. Department of Natural Resources, Topographic Mapping. Electronic Resource.

The above maps revealed that the bedrock in the general area is a combination of limestone, sandstone and shale of the Rockcliffe Formation at a depth of 4 m. With respect to surficial geology, beneath any fill,

the site is underlain by fine textured glaciomarine deposits (eastern portion) and paleozoic bedrock (shaly limestone) at the western and southern extents of the Site.

The local topography of the Site has a slight downwards slope towards the north. Inferred groundwater flow direction is to the north towards the Ottawa River located 1,100 m from the Site.

3.9.3 Fill Materials

Notable amounts of fill material were observed at the Site. Based on the unknown quality of the fill and observation of construction debris within the fill, this represents an APEC (APEC 1).

3.9.4 Water Bodies and Areas of Natural Significance (ANSI)

There were no water bodies on the subject site. The subject site is not located in close proximity to an ANSI, according to the Ministry of Natural Resources Natural Heritage website.

The closest water body is the Ottawa River which is located approximately 1,100 m to the north of the Site.

3.9.5 Well Records

Local MOE water wells records show that bedrock depth in the area is approximately 4 m from surface. The well records are presented in the EcoLog report in Appendix D.

3.10 Site Operating Records

No site operating records were available for review.

3.11 Summary of Records Review

Based on a review of the available records, the Site has been used for agricultural purposes or vacant dating back to the early 1970s. The previous uses of the Site do not represent an APEC.

The large amounts of fill materials were observed at the Site and represents and APEC (APEC 1).

4. Interviews

Interviews were attempted by **exp** with any individuals identified to be the most knowledgeable about both the current and historical site uses. The purpose of the interviews is to obtain information to assist in identifying areas of potential environmental concern and identify details of potentially contaminating activities or potential contaminant pathways, in, on or below the site.

During the completion of this Phase One ESA, the following individuals were interviewed:

- Mr. Steve Poirier (site superintendent) indicated that Phoenix Homes are the current owners of the subject property. To his knowledge, the site has always been vacant until development of the property to the north began development in 2016/2017. It was reported that fill located on the Site was stockpiled as a result of the development of the property to the north of the Site. It was reported that there have not been any environmental concerns or significant spills or releases of chemicals at the Site. Mr. Poirier indicated that there was no record of above/below ground storage tanks being present at the Site. Mr. Poirier also indicated that he was not aware of any illegal dumping or similar infractions at the Site.

5. Site Reconnaissance

5.1 General Requirements

On July 18, 2017, Mr. Matthew Laneville, B.A. of **exp** conducted the site visit for the property located at St, Joseph Boulevard and Tenth Line Road (Site). The site visit was conducted in accordance with **exp**'s internal health and safety protocols and with the Ministry of Labour health and safety regulations. The purpose of the site visit was to assess the current conditions of the Site.

The general environmental management and housekeeping practices at the site were reviewed as part of this assessment insofar as they could impact the environmental condition of the property; however, a detailed review of regulatory compliance issues was beyond the scope of **exp**'s investigation.

Observations of the subject property and surrounding properties were conducted. The exterior observations were recorded by walking over the grounds. Adjoining properties were observed from within the grounds of the Site.

Mr. Laneville was unaccompanied during the Site visit. Photographs were taken at the Site on July 18, 2017 and are included in Appendix E.

5.2 Specific Observations at Phase OneESA Property

5.2.1 Site Description and Buildings

The Site is rectangular in shape with irregular edges, covers an area of approximately 10,800 m^2 (2.67 acres or 1.08 hectares) and is located on the southern side of Regional Road 174 to the west of Tenth Line Road and to the north of St. Joseph Boulevard.

The Site is currently vacant and does not have any temporary or permanent buildings present.

5.2.2 Heating and Cooling Systems

Since the Site is vacant, and heating and cooling systems were not observed.

5.2.3 Site Utilities and Services

Storm water sewers were observed to be present at the southern and western extents of the Site. As the Site is vacant, it is not currently serviced.

5.2.4 Site Use

At the time of the investigation, the Site was vacant. Historically the Site was used for agricultural purposes.

5.2.5 Drains, Pits and Sumps

No sumps, or pits were observed at the Site.

5.2.6 Storage Tanks

5.2.6.1 Underground Storage Tanks

Exp did not observe any underground storage tanks (UST) during the site reconnaissance. No visual evidence such as fill / vent pipes, levelometers or oil fill lines associated with USTs were observed at the site.

5.2.6.2 Aboveground Storage Tanks

Exp did not observe any ASTs during the site reconnaissance.

5.2.7 Chemical Storage and Handling and Floor Condition

As the Site is currently vacant, chemical storage is not present.

5.2.8 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of stained soil, pavement or vegetation were observed during the site visit.

5.2.9 Fill, Debris and Methane

Large amounts of fill were observed across the Site. The fill was observed to contain large boulders, gravel, soils and construction debris (concrete and rebar) The Site is similar in elevation to the property to the north however is approximately 6 m lower in elevation, when compared to the property to the south which is residential. The Site slopes slightly downwards towards the north. Significant amounts of fill materials were observed at the Site which represent an APEC (APEC 1).

Based on the site visit, there are no sources of methane at the surface of the property.

5.2.10 Air Emissions

Regulatory control of air emissions in Ontario is the responsibility of the MOE. According to the Environmental Protection Act (EPA), a Certificate of Approval (CofA) (Air) is required for the ongoing operation of any equipment that may discharge a contaminant into the natural environment if the equipment was installed, modified or altered after June 29th, 1988. Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a CofA was added to the EPA. Unless explicitly exempted, most industrial processes or modifications to industrial processes and equipment require a CofA. The EPA provides a list of specific equipment and conditions, which are exempt from CofA (Air) requirements (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

No air emissions concerns were identified at the time of the site visit.

5.2.11 Odours

No strong odours were detected during the site visit.

5.2.12 Noise

No excessive noise was detected during the site visit.

5.2.13 Special Attention Items, Hazardous Building Materials and Designated Substances

5.2.13.1 Asbestos

Asbestos-containing materials (ACMs) are fibrous hydrated silicates, and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos, which is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACMs in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACMs was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

Since the Site is currently undeveloped, asbestos containing materials are not anticipated.

5.2.13.2 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

Since the Site is currently undeveloped, lead containing materials and LBPs are not anticipated and were not observed at the Site.

5.2.13.3 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian manufacturers and formulators of the preservative voluntarily agreed to remove “interior uses” from their product labels.

Since the Site is currently undeveloped, mercury containing materials and paints are not anticipated and were not observed at the Site.

5.2.13.4 Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCBs-containing equipment on the Site. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCBs must be disposed in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCBs is permissible.

Since the Site is currently undeveloped, PCB containing materials are not anticipated and were not observed at the Site.

5.2.13.5 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets and fabrics, and it contributes to "that new house smell.”

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is

an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. Most installations occurred between 1977 and the further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit as the Site is currently undeveloped.

5.2.13.6 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerel's per cubic metre (Bq/m^3). Where radon gas is present and the annual radon concentration exceeds 200 Bq/m^3 in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

Based on local well records, the bedrock underlying the Site is a mix of limestone, sandstone and shale. Black shale is known to have an increased potential to release radon gas. Since the bedrock at the site is not predominantly shale, the accumulation of radon gas is not considered likely.

5.2.13.7 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow it requires a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) combined with moist conditions. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian Construction Association (CCA) document 82-2004 titled "mould guidelines for the Canadian construction industry" and the Environmental Abatement Council of Ontario (EACO) guidelines titled "EACO Mould Abatement Guidelines, Edition 2 (2010)."

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

The Site is currently vacant, therefore mould contamination other than naturally occurring moulds are not anticipated.

5.2.13.8 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Site at the time of this Phase One ESA.

5.2.14 Processing and Manufacturing Operations

No processing or manufacturing operations are conducted at the Site.

5.2.15 Hazardous Materials Use and Storage

No hazardous materials are used or stored at the Site.

5.2.16 Vehicle and Equipment Maintenance Areas

No vehicle and equipment maintenance is conducted on the Site.

5.2.17 Oil/Water Separators

No oil water separators are present and/or anticipated at the Site.

5.2.18 Sewage and Wastewater Disposal

No sewage or wastewater is produced at the Site as it is currently undeveloped.

5.2.19 Solid Waste Generation, Storage & Disposal

No solid waste is generated on the Site.

5.2.20 Liquid Waste Generation, Storage & Disposal

No liquid wastes are generated or stored on the Site.

5.2.21 Unidentified Substances

No unidentified substances were observed on the Site at the time of the site visit. Concrete and other construction related debris was observed within the fill piles located on the Site.

5.2.22 Hydraulic Lift Equipment

No hydraulic equipment was observed the Site.

5.2.23 Mechanical Equipment

No mechanical equipment of concern was present on the Site.

5.2.24 Abandoned and Existing Wells

No abandoned or existing wells were observed on the Site. One (1) MOE well records was identified for the Site dating back to 1963. Evidence of this well was not identified during the Site visit.

5.2.25 Roads, Parking Facilities and Right of Ways

Access to the Site is via Eric Czapnik Way.

5.3 Adjacent and Surrounding Properties

A visual inspection of the adjacent properties and properties within 250 m of the site was conducted from publicly accessible areas to identify the occupants and document the uses and sources of potential environmental concerns that may impact the Site. Refer to Figure 2 in Appendix B for the adjacent land uses.

The following land uses border the subject property:

- North: Residential (single-family townhomes);
- West: Vacant;
- South Residential (single-family townhomes); and,
- East: Residential (multi tenant) and institutional (police station)

Based on the above, none of the above neighbouring properties are considered to cause any environmental concern to the Site.

5.4 Summary of Site Reconnaissance

Based on the site reconnaissance of the Phase One ESA, the fill located at the Site represents an APEC (APEC 1).

6. Review and Evaluation of Information

6.1 Current and Past Uses

Based on a review chain of title information, historical maps and other records, the Site has been used as agricultural land or was vacant since the early 1970s. It is understood that the Site has an area of approximately 1.08 hectares. Based on the title search, no potential sources of environmental concern were identified.

6.2 Summary of Potentially Contaminating Activities

As per Ontario Regulation (O.Reg.) 153/04, a Potential Contaminating Activity (PCA) is defined as one of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in a Phase One study area. The following PCAs were identified:

- PCA1 – Current on Site fill piles (PCA# 30 – importation of Fill Material of Unknown Quality).

6.3 Areas of Potential Environmental Concern

As per O.Reg 153/04, an APEC is defined as an area on a subject site where one or more contaminants are potentially present. Based on this Phase One ESA, the following APECs were identified:

- APEC 1 - Current on Site fill piles.

6.4 Phase One ESA Conceptual Site Model

In order to develop a conceptual model for the subject site and surrounding study area, the following physical characteristics and pathways were considered. A conceptual site model showing the topography of the site, inferred groundwater flow and general site is shown in Figure 3.

6.4.1 Subsurface Stratigraphy

The following information sources were reviewed to determine the nature of the subsurface materials at the site:

1. *Bedrock Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
2. *Surficial Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
3. Ontario Geotechnical Boreholes – Electronic Resource.
4. MOE Water Well Records – Electronic Resource.
5. Department of Natural Resources, Topographic Mapping. Electronic Resource.

The above maps revealed that the bedrock in the general area is a combination of limestone, sandstone and shale of the Rockcliffe Formation at a depth of 4 m. With respect to surficial geology, beneath any fill, the site is underlain by fine textured glaciomarine deposits (eastern portion) and paleozoic bedrock at the western and southern extents of the Site.

The local topography of the Site has a slight downwards slope towards the north. Inferred groundwater flow direction is to the north towards the Ottawa River located 1,100 m from the Site.

6.4.2 Estimated Groundwater Flow Direction

Topographically, the Site is relatively flat with the property sloping slightly northwards. The surrounding area has a slight downwards slope towards the north. The closest body of water is the Ottawa River, located approximately 1,100 m north of the Site. The groundwater flow direction is inferred to be northwest towards the Ottawa River.

6.4.3 Underground Utilities

The Site currently has storm water sewers present on lots 1 and 2.

7. Findings and Recommendations

The following information is provided in Table 7.1 in support of the Phase One ESA QP's conclusions:

Table 7.1: Areas of Potential Environmental Concern

Area of Potential Environmental Concern (APEC)	Potentially Contaminating Activity (PCA)	Location of PCA (On-Site or Off-Site)	Contribution to APEC at the Site (Yes/No)	Media Potentially Impacted (Groundwater, Soil and/or Sediment)	Contaminates of Concern
1. Fill piles	#30 – Importation of Fill Material of Unknown Quality	On-Site	Yes	Soil	Metals, petroleum hydrocarbons (PHC) and polycyclic aromatic hydrocarbons (PAH)

To reduce the degree of uncertainty surrounding the environmental concerns identified during this Phase One ESA, a Phase Two ESA is recommended and the rationale for proposing such recommendations are provided below in Table 7-2.

Table 7-2: Issues Identified, Recommendations and Rationale

Issue Identified	Recommendation	Rationale
Potential impacts in soil and groundwater from the off-site RFOs, automotive garages, spill and dry cleaner.	Obtain representative soil samples from boreholes and/or test pits as part of the proposed geotechnical investigation to collect soil for metals, PAH and PHC analyses to assess disposal options during site development.	To assess soil conditions at the Site.

8. References

1. Canadian Standards Association; November 2001; *Z768-0 Phase OneEnvironmental Site Assessment*.
2. Dubreuil, L. and C. Woods; 2002; *Catalogue of Canadian Fire Insurance Plans, 1875 – 1975.*
3. Department of Energy Mines and Resources, Surveys and Mapping Branch; 1976; *Ottawa Map 31 G/5, Scale 1:50,000*.
4. Geological Survey of Canada; 1982; *Generalized Bedrock Geology* – Ottawa-Hull, Ontario-Quebec: Map 1508A. Scale 1:50,000.
5. Geological Survey of Canada; 1976; *Surficial Geology – Ottawa, Ontario: Map 1507A. Scale 1:50,000.*
6. Geoseismic Engineering*;* April 19, 2017; *Subsurface Investigation Report, 303 Bell Street South, Ottawa, ON K1S 4J9*.
7. Golder Associates Inc.; October 2004; *Old Landfill Management Strategy, City of Ottawa*.
8. Intera Technologies Ltd.; July 1998; *Mapping and Assessment of Former Industrial Sites, City of Ottawa*.
9. Ministry of Labour (MOL); *Occupational Health and Safety Act*.
10. Ontario Ministry of the Environment, *Environmental Registry website (www.ene.gov.on.ca/envision/env_reg/ebr/english/index.htm)*
11. Ontario Ministry of the Environment; 1993- 2003-2004; *Ontario Inventory of PCB Storage Sites.*
12. Ontario Ministry of the Environment; *Brownfields Registry website* (www.ene.gov.on.ca/environet/BESR/index.htm)
13. Ontario Ministry of the Environment; *Hazardous Waste Information Network website* (www.hwin.ca).
14. Ontario Ministry of the Environment; November 1988; *Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario.*
15. Ontario Ministry of the Environment, Waste Management Branch; June 1991; *Waste Disposal Site Inventory*.
16. Ontario Ministry of the Environment and Intera Technologies Ltd.; June 1991; *Inventory of Coal Gasification Plant Waste Sites in Ontario*;
17. Ontario Ministry of Natural Resources, Natural Heritage website (www.mnr.gov.on.ca/MNR/nhic/areas.cfm).
18. Technical Standards and Safety Authority; May 2007; *Environmental Management Protocol for Fuel Handling Sites in Ontario*.

9. Scope of Report, and Third Party Reliance

Basis of Report

This report ("Report") is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of **exp** may require re-evaluation.

Reliance on Information Provided

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to **exp** by Phoenix Homes. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by Phoenix Homes. **Exp** has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp. If new information about the environmental conditions at the Site is found, the information should be provided to **exp** so that it can be reviewed and revisions to the conclusions and/or recommendations can be made, if warranted.

Standard of Care

The Report has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale and in accordance with the MOE Reg. 511 standard. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

Complete Report

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to **exp** by Phoenix Homes, communications between **exp** and Phoenix Homes, other reports, proposals or documents prepared by **exp** for Phoenix Homes in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. **Exp** is not responsible for use by any party of portions of the Report.

Use of Report

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of Phoenix Homes. No other party may use or rely upon the Report in whole or in part without the written consent of **exp**. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. **Exp** is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

Report Format

Where **exp** has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working

purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by **exp** utilize specific software and hardware systems. **Exp** makes no representation about the compatibility of these files with Phoenix Homes current or future software and hardware systems. Regardless of format, the documents described herein are **exp**'s instruments of professional service and shall not be altered without the written consent of **exp**.

We trust this report satisfies your immediate requirements. If you have any questions regarding the information in this report, please do not hesitate to contact this office.

Appendices

Appendix A: Qualifications of Assessors

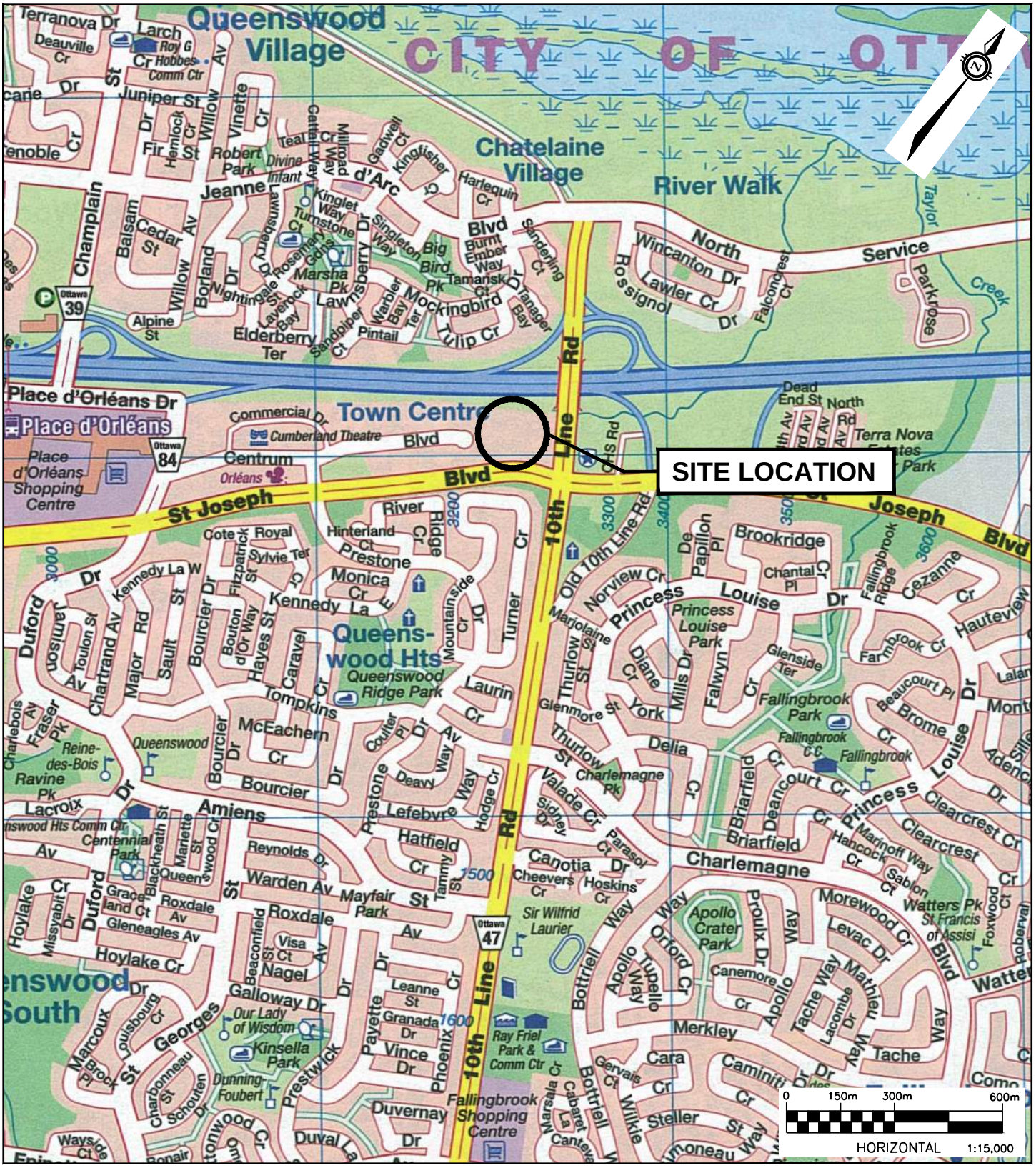
Qualifications of Assessors

Exp provides a full range of environmental services through a full-time Environmental Services Group. **Exp**'s Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the **exp** organization.

Matthew Laneville, B.A., has 10 years of experience in the environmental consulting field. Technical undertakings have included: project coordination; Phase One Environmental Site Assessments; ground water monitoring, environmental sampling and data evaluation; and technical report preparation.

Mark McCalla, P.Geo. (ON), is a Senior Project Manager with the Environmental Science and Engineering Services division of **exp**, with more than 28 years' experience (15 years with **exp**) in environmental investigations, including borehole drilling, monitoring well installation and environmental soil and groundwater sampling, reporting and project management. Mr. McCalla has been involved with many hydrogeological assessments, where pumping tests and analytical testing of wells were carried out. His project experience includes: coordinating, conducting and managing environmental site assessments, remediation programs and landfill monitoring and management programs; technical report preparation and senior review; proposal preparation and client liaison. Mr. McCalla is a Qualified Person for completing Phase One and Two Environmental Site Assessments as per Ont. Reg. 153/04.

Appendix B: Figures



exp Services Inc.
t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6
Canada
www.exp.com

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scale: 1:15,000	CLIENT: PHOENIX HOMES - HILLSIDE VISTA	project no.: OTT-00241432-A0
date: AUGUST 2017	TITLE: SITE LOCATION PLAN	FIG 1
drawn by: J.R.		

Filename: r:\24000\241000\241432-a0 hillside\piesa\241432 piesa.dwg
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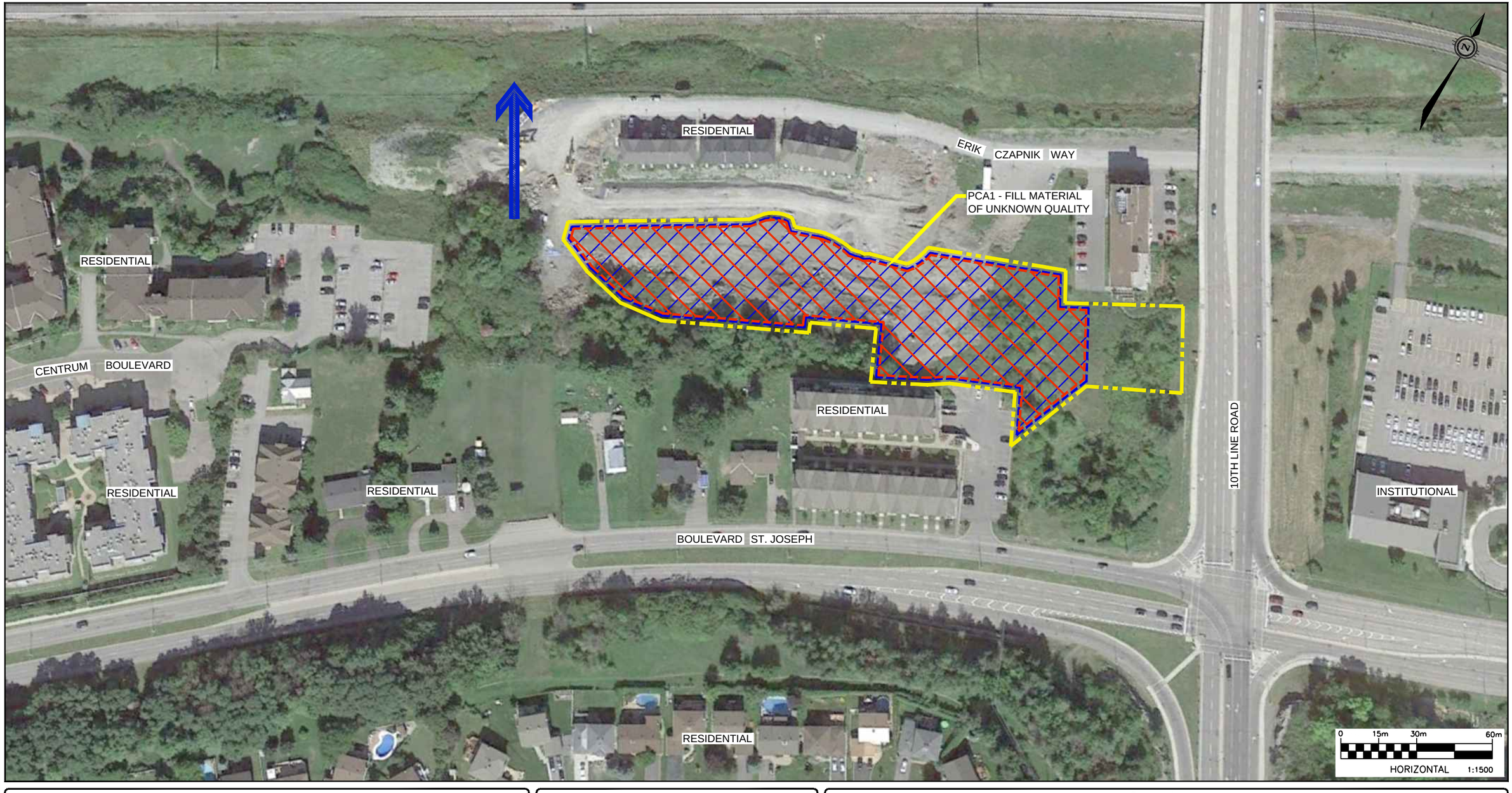

LEGEND

APEC 1

POTENTIALLY CONTAMINATING ACTIVITY

APPROXIMATE SITE BOUNDARY

INFERRED GROUNDWATER FLOW DIRECTION

exp Services Inc.
t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6
Canada
www.exp.com

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scale 1:1500	CLIENT: PHOENIX HOMES - HILLSIDE VISTA	project no. OTT-00241432-A0
date AUGUST 2017	TITLE: SITE PLAN	FIG 2
drawn by J.R.		

Filename: r:\24000\241000\241432-a0 hillside\plesa\241432 piesa.dwg
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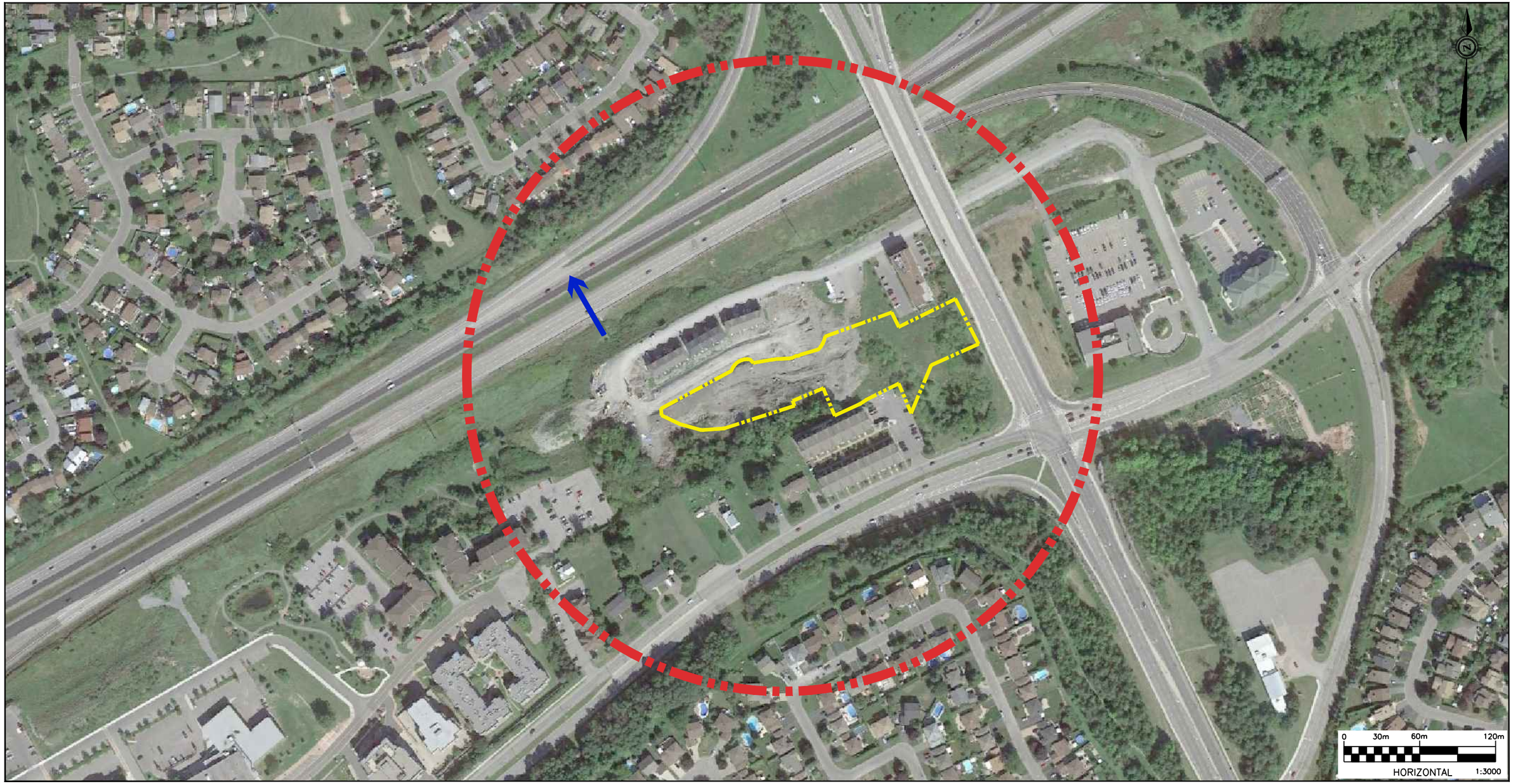

LEGEND

PHASE ONE STUDY AREA

APPROXIMATE SITE BOUNDARY

INFERRED GROUNDWATER FLOW DIRECTION

exp Services Inc.
t: +1.613.688.1899 | f: +1.613.225.7337
2650 Queensview Drive, Suite 100
Ottawa, ON K2B 8H6
Canada
www.exp.com

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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

scale: 1:3000	CLIENT: PHOENIX HOMES - HILLSIDE VISTA	project no.: OTT-00241432-A0
date: AUGUST 2017	TITLE: CONCEPTUAL SITE MODEL	FIG 3
drawn by: J.R.		

Filename: r:\240000\241000\241432-a0 hillside\piesa\241432 piesa.dwg
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Appendix C:
Title Search, Municipal & Provincial Records

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

ENVIRONMENTAL SEARCH

August 21, 2017

EXP Services Inc.
Attn: Kathy Radisch

BRIEF DESCRIPTION OF LAND:

Hillside Terrace, Ottawa
Firstly: Part of Lot 35, Concession 1 OS Cumberland, Block 4, Plan 4M1542
Secondly: Block 2, Plan 4M1542
Thirdly: Block 5, plan 4M1542
PIN: 14508-0390
14508-0348
14508-0351

LAST REGISTERED OWNER: HILLSIDE VISTA INC.

CHAIN OF TITLE:

Deed registered February 22, 1861
From Canada Company to Joseph Perisien

Deed 699 registered May 12, 1874
From John Featherston to John Tomkins

Deed 768 registered October 26, 1874
From Adolphe Papineau to John Tomkins

Deed 1623 registered December 13, 1878
From John Tomkins to Joseph Lucien

Deed 3248 registered May 14, 1886
From Joseph Perisien to Antone Perisien

Deed 3427 registered April 24, 1888
From Joseph Perisien to R. C. S. School

Deed 3581 registered November 21, 1888
From Joseph Lucien to Felix Lalonde

Deed 4302 registered May 20, 1890
From Antone and Joseph Perisien to Geofrey Chartrand

Deed registered March 10, 1901
From Felix Lalonde to Margaret and George Lawlor

Deed 9440 registered march 11, 2904
From John Tomkins Estate to Patrick Tomkins

Deed 9533 registered March 20, 1908
From Geofrey Chartrand to Arthur Bergeron

Deed 10862 registered may 16, 1912
From Margaret and George Lawlor to James Kennedy

Deed 11258 registered December 6, 1918
From Arthur Bergeron to Ovide Brisbois

Deed 12809 registered February 19, 1919
From Patrick Tomkins to Robert Kennedy

Deed 12957 registered June 6, 1919
From James Kennedy to Robert Kennedy

Deed 13161 registered January 15, 1920
From Robert Kennedy to Eliodore Vinette

Deed 15562 registered April 22, 1930
From Ovide Brisbois to Lionel Lalande

Deed 16658 registered April 30, 1937
From Estate of Eliodore Vinette to Lionel Vinette

Deed 17840 registered August 13, 1945
From Lionel Lalande to Conrad lalande

Deed 18282 registered February 17, 1947
From Conrad Lalande to Victor Huot

Deed 19854 registered October 1, 1953
From Victor Huot to Rosario Gadbois

Deed 20690 registered December 15, 1956
From Rosario Gadbois to Dosithe Leger

Deed 20614 registered November 20, 1956

From Victor Huot to Dosithe Leger

Deed 19408B registered May 8, 1969
From Dosithe Leger to Marcel and Noella Bissonette

Deed 38375 registered January 16, 974
From Les Freres Des Ecoles Chretiennes D'Ottawa (RCS School) to Campeau Corporation

Deed RLT25499 registered November 29, 1985
From Campeau Corporation to 640123 Ontario Ltd.

Expropriation RR116354 registered August 16, 1988
From Marcel and Noella Bissonette to The Regional Municipality of Ottawa-Carleton

Deed RLT58481 registered December 5, 1989
From 640123 Ontario Ltd. to Perez Bramalea Limited

Power of Sale LT1187523 registered March 31, 1999
From Confederation Trust Company (Perez Bramalea Limited) to The Corporation of the Township of Cumberland

Deed OC124602 registered September 30, 2002
From estate of Lionel Vinette to 1120919 Ontario Inc.

Deed OC157989 registered January 8, 2002
From 1120919 Ontario Inc. to 1534436 Ontario Limited

Deed OC265030 registered October 31, 2003
From 1534436 Ontario Limited to Phoenix Hillside Terrace Inc.

Name Change OC500806 registered August 19, 2005
From The Corporation of the Township of Cumberland to City of Ottawa

Name Change OC500807 registered August 19, 2005
From The Regional municipality of Ottawa-Carleton to City of Ottawa

Deed OC713787 registered May 1, 2007
From City of Ottawa to OTCP Residential Lands G.P. Inc.

Deed OC1068943 registered January 13, 2010
From Phoenix Hillside Terrace Inc. to 2178540 Ontario Inc.

Name Change OC1306219 registered November 16, 2011
From OTCP Residential Lands G.P. Inc. to Forum Investments and Development Corporation

Deed OC1306294 registered November 16, 2011
From Forum Investments and Development Corporation to Hillside Vista Inc.

Name Change OC1862359 registered January 20, 2017

From 2178540 Ontario Inc. to Hillside Vista Inc.

2017-08-08

Via email:
hlui@ottawa.ca

Planning Division
City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario

Re: OTT-00241432-A0 **Municipal Information Search Request**
Hillside Terrace Condos, Ottawa, Ontario

To whom it may concern,

Our firm has been retained to conduct a Phase I Environmental Site Assessment for Hillside Terrace Condominium Project, Ottawa, Ontario. We require information pertaining to the property.

We request that the City of Ottawa search their files and provide any information pertaining to the environmental condition of this property and surrounding areas, including any past environmental reports, orders, certificates or approvals as well as any available site plans, records of tanks and any available ownership history.

Please find attached the consent letter from the property owner to release this information for the property in question. A request for information form has been completed to initiate a search on the property.

If you should have any questions, please do not hesitate to contact me.

Yours truly,

exp Services Inc.
Kathy Radisch
Administrative Assistant
Earth & Environment

Attachments: Disclaimer
RFI Form
Consent from Owner

Ontario Ministry of the Environment

Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Kathy Radisch, Administrative Assistant exp Services Inc. 100-2650 Queensview Drive Ottawa, Ontario K2B 8H6 kathy.radisch@exp.com			FOI Request No.	Date Request Received
			Fee Paid ☐ ACCT ☐ CHQ ☐ VISA/MC ☐ CASH	
Telephone/Fax Nos. Tel. 613-688-1899 Fax 613-225-7337	Your Project/Reference No.	Signature/Print /Name of Requester	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ SAC ☐ IEB ☐ EAA ☐ EMR ☐ SWA	

Request Parameters

Municipal Address / Lot, Concession, Geographic Township **(Municipal address essential for cities, towns or regions)**

Present Property Owner(s) and Date(s) of Ownership

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s),(if applicable)

Search Parameters *Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.*	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	all
Orders	all
Spills	all
Investigations/prosecutions ➤ Owner **AND** tenant information must be provided	all
Waste Generator number/classes	all

Certificates of Approval ➤ Proponent information must be provided

1985 and prior records are searched manually. **Search fees in excess of $300.00** could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). **If supporting documents are also required, mark SD box** and specify type e.g. maps, plans, reports, etc.

	SD	**Specify Year(s) Requested**
air - *emissions*		
water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*		
sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*		
waste water - *industrial discharges*		
waste sites - *disposal, landfill sites, transfer stations, processing sites, incinerator* sites		
waste systems - *PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste*		
pesticides - *licenses*		

A $5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is $30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of $30.00.

Appendix D: EcoLog Reports

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Phase I ESA* *Hillside Vista* *Ottawa ON*
Project No:	*OTT-00241432-A0*
Report Type:	*Standard Report*
Order No:	*20170725101*
Requested by:	*exp Services Inc.*
Date Completed:	*August 1, 2017*

Environmental Risk Information Services
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:	*Phase I ESA* *Hillside Vista Ottawa ON*
Project No:	*OTT-00241432-A0*

Coordinates:

Latitude:	*45.484017*
Longitude:	*-75.503668*
UTM Northing:	*5,036,844.19*
UTM Easting:	*460,638.90*
UTM Zone:	*UTM Zone 18T*

Elevation: *200 FT*
60.89 M

Order Information:

Order No:	*20170725101*
Date Requested:	*July 25, 2017*
Requested by:	*exp Services Inc.*
Report Type:	*Standard Report*

Historical/Products:

City Directory Search	*Subject Site plus 10 Adjacent Properties*
ERIS Xplorer	*Data and Historical Layer Viewer*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Specific Plans*
Physical Setting Report (PSR)	*PSR*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	***Abandoned Aggregate Inventory***	*Y*	*0*	*0*	*0*
AGR	***Aggregate Inventory***	*Y*	*0*	*0*	*0*
AMIS	***Abandoned Mine Information System***	*Y*	*0*	*0*	*0*
ANDR	***Anderson's Waste Disposal Sites***	*Y*	*0*	*0*	*0*
AUWR	***Automobile Wrecking & Supplies***	*Y*	*0*	*0*	*0*
BORE	***Borehole***	*Y*	*0*	*21*	*21*
CA	***Certificates of Approval***	*Y*	*0*	*3*	*3*
CFOT	***Commercial Fuel Oil Tanks***	*Y*	*0*	*0*	*0*
CHEM	***Chemical Register***	*Y*	*0*	*0*	*0*
CNG	***Compressed Natural Gas Stations***	*Y*	*0*	*0*	*0*
COAL	***Inventory of Coal Gasification Plants and Coal Tar Sites***	*Y*	*0*	*0*	*0*
CONV	***Compliance and Convictions***	*Y*	*0*	*0*	*0*
CPU	***Certificates of Property Use***	*Y*	*0*	*0*	*0*
DRL	***Drill Hole Database***	*Y*	*0*	*0*	*0*
EASR	***Environmental Activity and Sector Registry***	*Y*	*0*	*0*	*0*
EBR	***Environmental Registry***	*Y*	*0*	*0*	*0*
ECA	***Environmental Compliance Approval***	*Y*	*0*	*4*	*4*
EEM	***Environmental Effects Monitoring***	*Y*	*0*	*0*	*0*
EHS	***ERIS Historical Searches***	*Y*	*0*	*4*	*4*
EIIS	***Environmental Issues Inventory System***	*Y*	*0*	*0*	*0*
EMHE	***Emergency Management Historical Event***	*Y*	*0*	*0*	*0*
EXP	***List of TSSA Expired Facilities***	*Y*	*0*	*0*	*0*
FCON	***Federal Convictions***	*Y*	*0*	*0*	*0*
FCS	***Contaminated Sites on Federal Land***	*Y*	*0*	*0*	*0*
FOFT	***Fisheries & Oceans Fuel Tanks***	*Y*	*0*	*0*	*0*
FST	***Fuel Storage Tank***	*Y*	*0*	*0*	*0*
FSTH	***Fuel Storage Tank - Historic***	*Y*	*0*	*0*	*0*
GEN	***Ontario Regulation 347 Waste Generators Summary***	*Y*	*0*	*0*	*0*
GHG	***Greenhouse Gas Emissions from Large Facilities***	*Y*	*0*	*0*	*0*
HINC	***TSSA Historic Incidents***	*Y*	*0*	*0*	*0*
IAFT	***Indian & Northern Affairs Fuel Tanks***	*Y*	*0*	*0*	*0*
INC	***TSSA Incidents***	*Y*	*0*	*1*	*1*
LIMO	***Landfill Inventory Management Ontario***	*Y*	*0*	*0*	*0*
MINE	***Canadian Mine Locations***	*Y*	*0*	*0*	*0*
MNR	***Mineral Occurrences***	*Y*	*0*	*0*	*0*
NATE	***National Analysis of Trends in Emergencies System (NATES)***	*Y*	*0*	*0*	*0*

Database	Name	Searched	Project Property	Within 0.25 km	Total
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
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	0	0
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	0	3	3
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	0	8	8
	Total:		0	44	44

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	BORE		ON	SSE/25.1	2.18	16
1	WWIS		lot 35 con 1 ON	SSE/25.1	2.20	16
2	ECA	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Boulevard City of Ottawa ON	WSW/55.4	-3.07	18
2	ECA	DCR/Phoenix Development Corporation Limited	241 Centrum Boulevard City of Ottawa ON	WSW/55.4	-3.07	18
2	ECA	Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Boulevard City of Ottawa ON	WSW/55.4	-3.07	18
3	EHS		Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON	SW/61.2	-1.88	19
4	INC		3275 ST JOSEPH BLVD, ORLÉANS ON	SE/81.4	6.52	19
4	SPL		3275 St Josephs Blvd, Orleans Ottawa ON	SE/81.4	6.52	20
5	BORE		ON	S/82.9	6.36	20
5	WWIS		lot 35 con 1 ON	S/82.9	6.37	21
6	EHS		241 Centrum Blvd Ottawa ON K1E0A1	WSW/93.7	-3.84	23
7	CA	DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	E/96.3	-5.35	24
7	ECA	DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	E/96.3	-5.35	24
8	WWIS		lot 35 con 1 ON	SE/101.9	6.32	24
9	WWIS		lot 35 con 1 ON	SSE/107.1	6.29	26
10	EHS		Southwest of Tenth Line Rd and Regional Rd 174 Ottawa (Orleans) ON	NE/110.0	-8.87	28
11	BORE		ON	ENE/116.2	-8.04	28
12	BORE		ON	ENE/118.3	-4.98	28
13	BORE		ON	E/122.1	-3.73	29
14	WWIS		lot 35 con 1 ON	S/122.8	6.55	29
15	WWIS		lot 35 con 1 ON	S/123.5	7.08	31
16	BORE		ON	E/125.5	-3.53	34
17	BORE		ON	E/132.9	-1.16	34

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
18	BORE		ON	SW/134.8	5.04	34
19	BORE		ON	NNE/142.0	-11.37	35
20	WWIS		lot 35 con 1 ON	ESE/164.1	3.22	35
21	BORE		ON	ENE/164.9	-2.70	37
22	BORE		ON	ESE/181.0	3.15	38
23	BORE		ON	NE/181.3	-10.43	38
24	EHS		St. Joseph Blvd Ottawa ON	SW/189.0	6.31	39
25	BORE		ON	NE/195.0	-10.10	39
26	BORE		ON	SE/208.8	13.30	39
27	BORE		ON	SE/217.8	14.08	40
28	CA	CUMBERLAND TOWNSHIP	RR #47/ST.JOSEPH BLVD./RR # 34 CUMBERLAND TWP. ON	ESE/221.4	1.30	40
28	CA	Ottawa Police Service East Division Building	Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON	ESE/221.4	1.30	40
28	SPL	City of Ottawa	ON 10TH LINE NORTH AT ST. JOSEPH<UNOFFICIAL> Ottawa ON	ESE/221.4	1.30	41
28	SPL	PUC	LOT AT INT. OF RR 34 & RR 47 MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	ESE/221.4	1.30	41
29	BORE		ON	E/226.0	0.94	42
30	BORE		ON	SE/226.6	14.89	42
31	BORE		ON	E/227.6	-4.08	42
32	BORE		ON	NNE/235.9	-6.87	43
33	WWIS		lot 34 con 1 ON	ESE/237.7	0.96	43
34	BORE		ON	NE/246.0	-11.33	46
35	BORE		ON	E/246.1	-1.06	46

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 21 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	SSE	25.08	1
	ON	S	82.93	5
	ON	SW	134.81	18
	ON	ESE	181.02	22
	ON	SE	208.83	26
	ON	SE	217.75	27
	ON	E	226.01	29
	ON	SE	226.64	30

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	ENE	116.24	11
	ON	ENE	118.34	12
	ON	E	122.11	13
	ON	E	125.55	16
	ON	E	132.94	17
	ON	NNE	142.03	19
	ON	ENE	164.93	21
	ON	NE	181.35	23
	ON	NE	195.03	25

ON		E	227.58	31
ON		NNE	235.93	32
ON		NE	246.03	34
ON		E	246.06	35

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Ottawa Police Service East Division Building	Intersection of St. Joseph Blvd. & 10th Line Road Ottawa ON	ESE	221.39	28
CUMBERLAND TOWNSHIP	RR #47/ST.JOSEPH BLVD./RR # 34 CUMBERLAND TWP. ON	ESE	221.39	28

Lower Elevation	Address	Direction	Distance (m)	Map Key
DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	E	96.33	7

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 2017 has found that there are 4 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Boulevard City of Ottawa ON	WSW	55.39	2
DCR/Phoenix Development Corporation Limited	241 Centrum Boulevard City of Ottawa ON	WSW	55.39	2
Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.	241 Centrum Boulevard City of Ottawa ON	WSW	55.39	2
DCR/Phoenix Development Corporation Limited	3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	E	96.33	7

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 4 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	St. Joseph Blvd Ottawa ON	SW	189.03	24

Lower Elevation	Address	Direction	Distance (m)	Map Key
	Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON	SW	61.19	3
	241 Centrum Blvd Ottawa ON K1E0A1	WSW	93.70	6
	Southwest of Tenth Line Rd and Regional Rd 174 Ottawa (Orleans) ON	NE	109.99	10

INC - TSSA Incidents

A search of the INC database, dated Feb 28, 2017 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3275 ST JOSEPH BLVD, ORLÉANS ON	SE	81.40	4

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2017 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

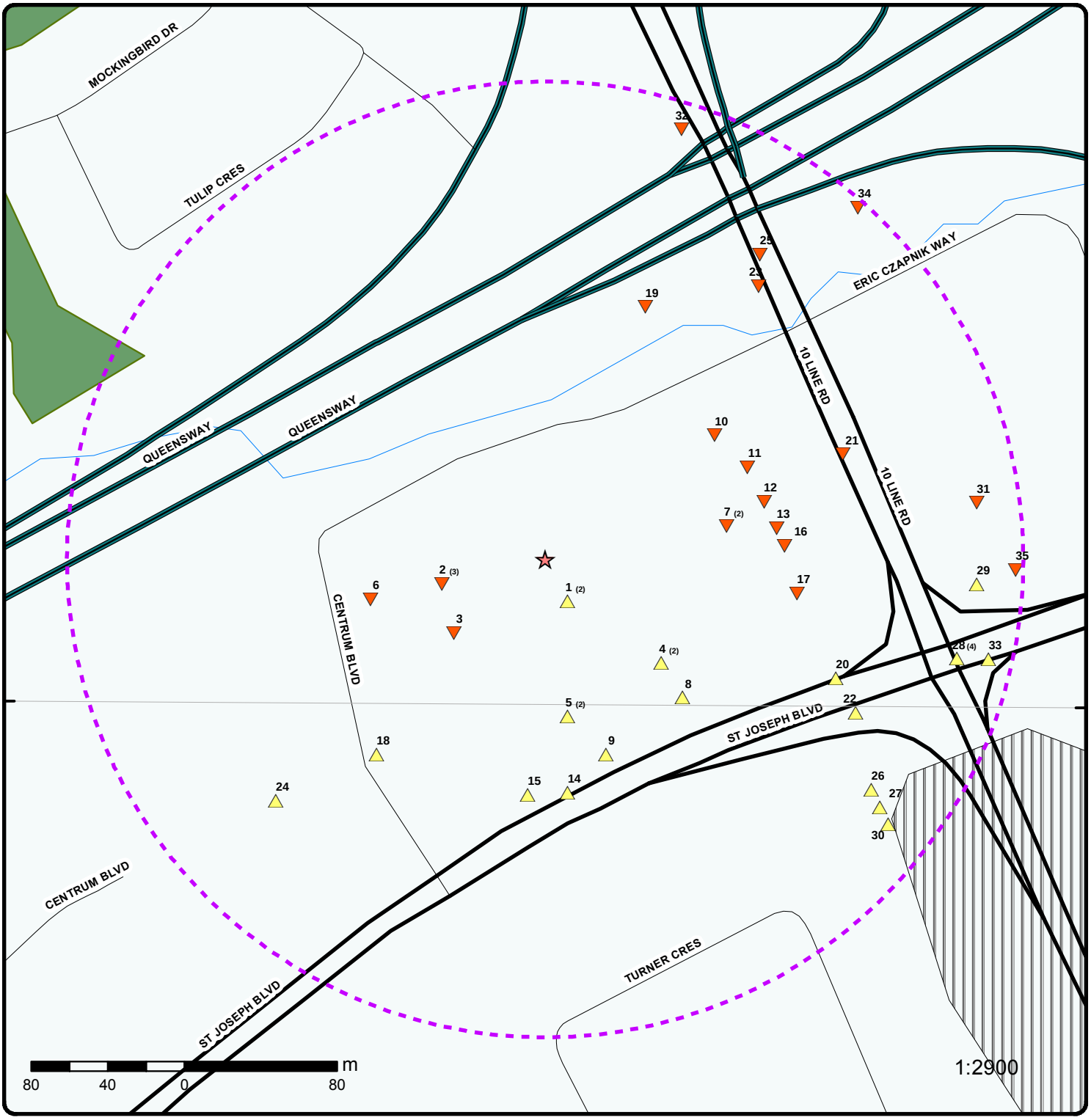
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	3275 St Josephs Blvd, Orleans Ottawa ON	SE	81.40	4
City of Ottawa	ON 10TH LINE NORTH AT ST. JOSEPH<UNOFFICIAL> Ottawa ON	ESE	221.39	28
PUC	LOT AT INT. OF RR 34 & RR 47 MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON	ESE	221.39	28

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 35 con 1 ON	SSE	25.08	1
	lot 35 con 1 ON	S	82.93	5
	lot 35 con 1 ON	SE	101.89	8
	lot 35 con 1 ON	SSE	107.06	9
	lot 35 con 1 ON	S	122.77	14
	lot 35 con 1 ON	S	123.53	15

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	lot 35 con 1 ON	ESE	164.14	20
	lot 34 con 1 ON	ESE	237.70	33



Map : 0.25 Kilometer Radius

Order No: 20170725101

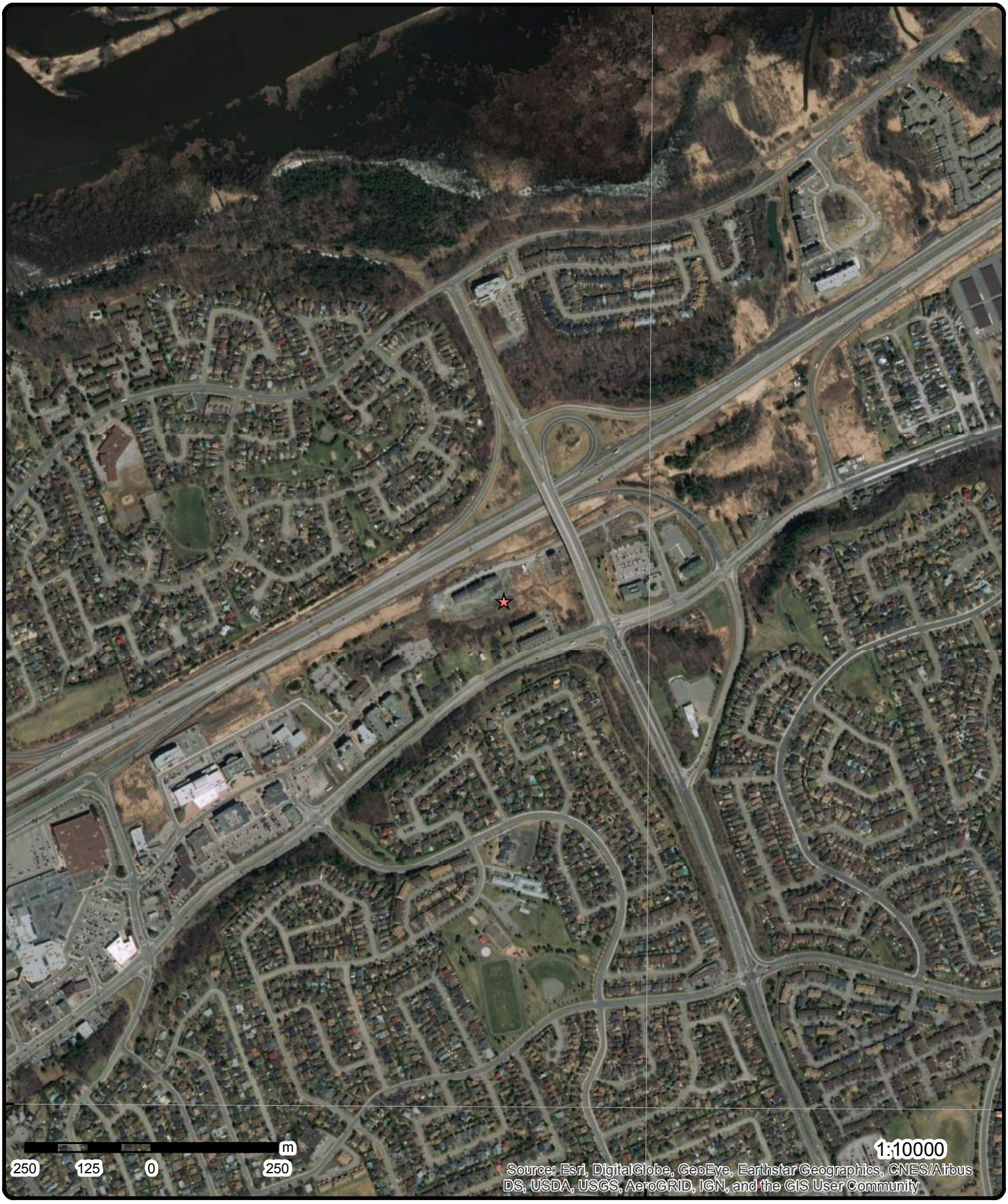
Address: Hillside Vista, Ottawa, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

75°30'W



45°28'30"N

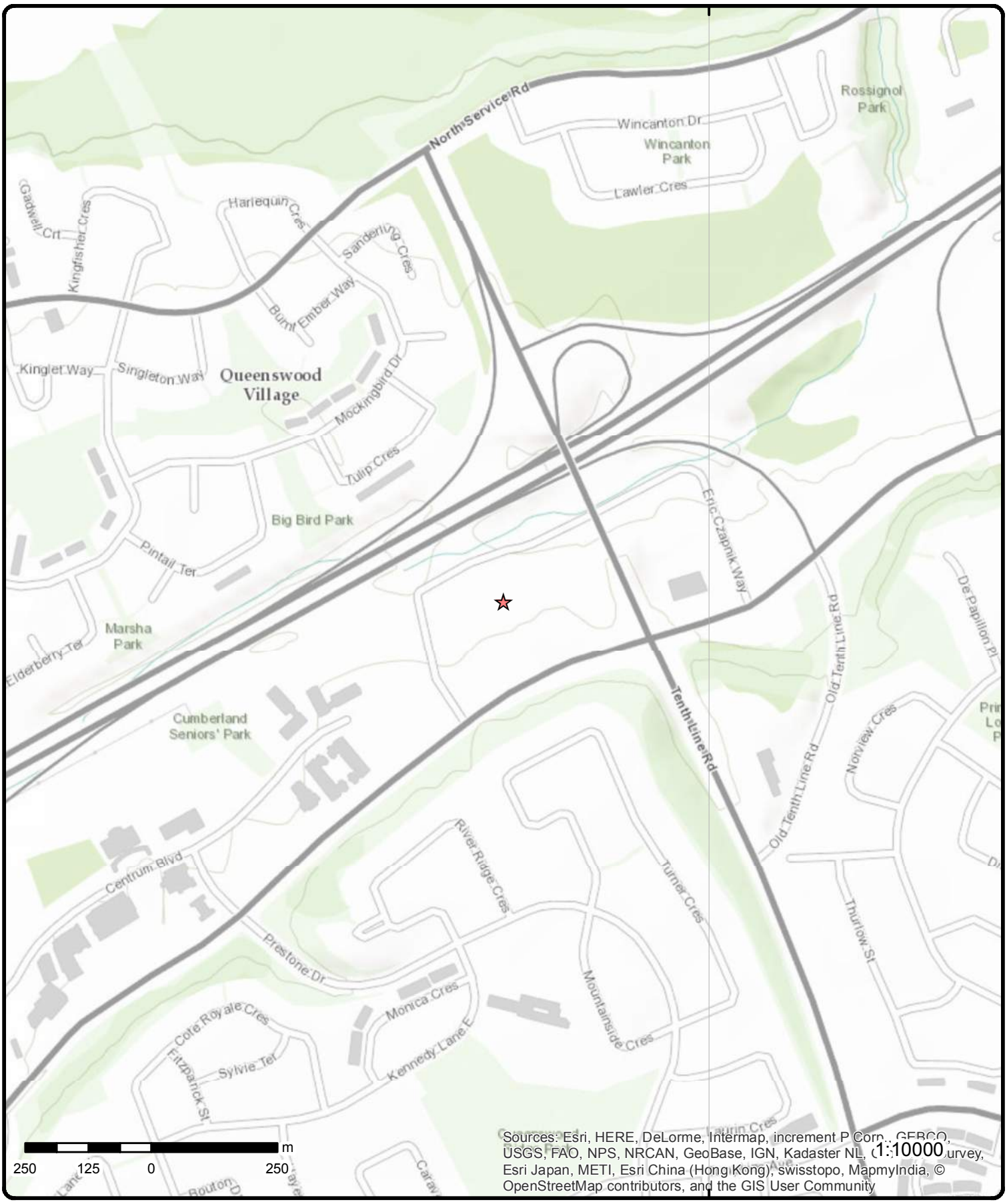
45°28'30"N

Aerial

Order No: 20170725101

Address: Hillside Vista, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: Hillside Vista, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20170725101

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 2	SSE/25.1	70.3	ON	BORE

Borehole ID:	616364	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	18
Easting::	460651	**Northing::**	5036822
Location Accuracy::		**Orig. Ground Elev m::**	68.6
Elev. Reliability Note::		**DEM Ground Elev m::**	66.5
Total Depth m::	18.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	OCT-1963	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218403750	**Top Depth(m):**	0.0
Bottom Depth(m):	4.3	**Stratum Desc:**	BOULDERS.
Stratum ID:	218403751	**Top Depth(m):**	4.3
Bottom Depth(m):	18.9	**Stratum Desc:**	LIMESTONE. GREY. 00062Y. 001583FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 1950

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	2 of 2	SSE/25.1	70.3	lot 35 con 1 ON	WWIS

Well ID:	1513193	**Lot:**	035
Construction Date:		**Concession:**	01
Primary Water Use:	Domestic	**Concession Name:**	OF
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	CUMBERLAND TOWNSHIP	**UTM Reliability:**	
County:	OTTAWA-CARLETON		

Bore Hole Information

--	--
Bore Hole ID:	10035181
DP2BR:	0
Code OB:	h
Code OB Description:	Mixed in a Layer
Open Hole:	
Date Completed:	17-OCT-63
Remarks:	
Zone:	18
East 83:	460650.8
North 83:	5036822
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	66.54
Elevrc:	

Elevrc Description:
Location Source Date:
Source Revision Comment:
Improvement Location Source:
Improvement Location Method:
Supplier Comment:
Spatial Status:
-- --
Overburden and Bedrock Materials Interval
-- --
Formation ID: 931022656
Layer: 1
General Color:
Most Common Material: BOULDERS
Other Materials: ROCK
Other Materials:
Formation Top Depth: 0
Formation End Depth: 14
Formation End Depth UOM: ft
-- --
Formation ID: 931022657
Layer: 2
General Color: GREY
Most Common Material: LIMESTONE
Other Materials:
Other Materials:
Formation Top Depth: 14
Formation End Depth: 62
Formation End Depth UOM: ft
-- --
Method of Construction & Well Use
-- --
Method Construction ID: 961513193
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:
-- --
Pipe Information
-- --
Pipe ID: 10583751
Casing Number: 1
Comment:
Alt Name:
-- --
Construction Record - Casing
-- --
Casing ID: 930062341
Layer: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 18
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft
-- --
Casing ID: 930062342
Layer: 2
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 62
Casing Diameter: 7
Casing Diameter UOM: inch
Casing Depth UOM: ft
-- --

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

Well Yield Testing	
--	--
Pump Test ID:	991513193
Pump Set At:	
Static Level:	10
Final Level After Pumping:	25
Recommended Pump Depth:	25
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933468695
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62
Water Found Depth UOM:	ft
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
2	1 of 3	WSW/55.4	65.1	**Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.** **241 Centrum Boulevard** **City of Ottawa ON**	ECA

Approval No:	5703-A2WKM8
Project Type:	Municipal and Private Sewage Works
Date:	2015-10-13
Status:	Approved
Longitude:	-75.51166666666667026674986118450760841369628906 25
Latitude:	45.48000000000000397903932025656104087829589843 75
Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/8323-A2SRC8-14.pdf
Full Address:	241 Centrum Boulevard City of Ottawa, Ontario

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
2	2 of 3	WSW/55.4	65.1	**DCR/Phoenix Development Corporation Limited** **241 Centrum Boulevard** **City of Ottawa ON**	ECA

Approval No:	7121-A6LK69
Project Type:	Municipal and Private Sewage Works
Date:	2016-02-01
Status:	Approved
Longitude:	
Latitude:	
Record Type:	ECA
PDF URL:	https://www.accessenvironment.ene.gov.on.ca/instruments/3228-9ZQPN4-14.pdf
Full Address:	Orleans Town Centre East Lands 241 Centrum Boulevard City of Ottawa, Ontario

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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
2	3 of 3	WSW/55.4	65.1	**Hillside Vista Inc. c/o DCR Phoenix Development Corp Ltd.**	ECA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				241 Centrum Boulevard City of Ottawa ON	

Approval No: 7128-A2UP2U
Project Type: Municipal and Private Sewage Works
Date: 2015-10-14
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/6318-A22KAY-14.pdf
Full Address: 241 Centrum Boulevard City of Ottawa, Ontario

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	1 of 1	SW/61.2	66.2	**Queensway, 10th Line, Centrum Blvd, Place D'Orleans Dr Ottawa ON**	EHS

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20050408012
Addit. Info Ordered::
Report Date: 4/20/2005
Report Type:
Search Radius (km): 0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	1 of 2	SE/81.4	74.6	**3275 ST JOSEPH BLVD, ORLÉANS ON**	INC

Incident No: 1798900
Incident ID:
Attribute Category: FS-Perform L1 Incident Insp
Status Code:
Incident Location: 3275 ST JOSEPH BLVD, ORLÉANS - EXPLOSION
Drainage System:
Sub Surface Contam.:
Aff. Prop. Use Water:
Contam. Migrated:
Contact Natural Env.:
Near Body of Water:
Approx. Quant. Rel.:
Equipment Model:
Serial No:
Residential App. Type:
Commercial App. Type:
Industrial App. Type:
Institutional App. Type:
Venting Type:
Vent Connector Mater:
Vent Chimney Mater:
Pipeline Type:
Pipeline Involved:
Pipe Material:
Depth Ground Cover:
Regulator Location:
Regulator Type:
Operation Pressure:
Liquid Prop Make:
Liquid Prop Model:
Liquid Prop Serial No:

Equipment Type:	
Cylinder Capacity:	
Cylinder Capac. Units:	
Cylinder Material Type:	
Tank Capacity:	
Fuels Occurence Type:	Explosion
Fuel Type Involved:	Natural Gas
Date of Occurence:	2016/01/31 00:00:00
Time of Occurence:	07:30:00
Occur Insp Start Date:	2016/02/01 00:00:00
Any Health Impact:	Yes
Any Environmental Impact:	No
Was Service Interrupted:	Yes
Was Property Damaged:	Yes
Operation Type Involved:	Private Dwelling
Enforcement Policy:	NULL
Prc Escalation Required:	NULL
Task No:	6033578
Notes:	
Occurence Narrative:	explosion and fire at townhouse
Tank Material Type:	
Tank Storage Type:	
Tank Location Type:	
Pump Flow Rate Capac:	
Liquid Prop Notes:	

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4 ***2 of 2*** ***SE/81.4*** ***74.6*** ***3275 St Josephs Blvd, Orleans Ottawa ON*** ***SPL***

Ref No:	7636-A6QK52
Contaminant Code:	35
Contaminant Name:	NATURAL GAS (METHANE)
Contaminant Quantity:	0 other - see incident description
Incident Cause:	
Incident Dt:	2016/01/31
Incident Reason:	Unknown / N/A
Incident Summary:	Townhouse Explosion -OFM Request for TSSA
MOE Reported Dt:	2016/02/01
Environmental Impact:	
Nature of Impact:	
Receiving Medium:	
SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Sector Source Type:	Unknown / N/A
Receiving Environment:	Air
Incident Event:	Fire/Explosion
Site Municipality:	Ottawa

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5 ***1 of 2*** ***S/82.9*** ***74.5*** ***ON*** ***BORE***

Borehole ID:	616362	***Type:***	Borehole
Use:		***Status::***	
Drill Method::		***UTM Zone::***	18
Easting::	460651	***Northing::***	5036762
Location Accuracy::		***Orig. Ground Elev m::***	59.4
Elev. Reliability Note::		***DEM Ground Elev m::***	74.3
Total Depth m::	48.2	***Primary Name::***	
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	JUL-1969	***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:	218403746	***Top Depth(m):***	0.0
Bottom Depth(m):	30.5	***Stratum Desc:***	CLAY. BLUE.
Stratum ID:	218403747	***Top Depth(m):***	30.5
Bottom Depth(m):	45.1	***Stratum Desc:***	GRAVEL.
Stratum ID:	218403748	***Top Depth(m):***	45.1
Bottom Depth(m):	48.2	***Stratum Desc:***	LIMESTONE. GREY. 001583FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 19500. K.

5	***2 of 2***	***S/82.9***	***74.5***	***lot 35 con 1 ON***	***WWIS***

Well ID:	1513198	***Lot:***	035
Construction Date:		***Concession:***	01
Primary Water Use:	Domestic	***Concession Name:***	OF
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	CUMBERLAND TOWNSHIP	***UTM Reliability:***	
County:	OTTAWA-CARLETON		

Bore Hole Information

--	--
Bore Hole ID:	10035186
DP2BR:	148
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	11-JUL-69
Remarks:	
Zone:	18
East 83:	460650.8
North 83:	5036762
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	74.28
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931022665
Layer:	1
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	100
Formation End Depth UOM:	ft
--	--

Formation ID:	931022666
Layer:	2
General Color:	
Most Common Material:	GRAVEL
Other Materials:	BOULDERS
Other Materials:	
Formation Top Depth:	100
Formation End Depth:	148
Formation End Depth UOM:	ft
--	--
Formation ID:	931022667
Layer:	3
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	148
Formation End Depth:	158
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	961513198
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10583756
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930062351
Layer:	1
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	150
Casing Diameter:	2
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062352
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	158
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991513198
Pump Set At:	
Static Level:	25
Final Level After Pumping:	40
Recommended Pump Depth:	50
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft

Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934098928
Pump Test ID:	991513198
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934378041
Pump Test ID:	991513198
Test Type:	Draw Down
Test Duration:	30
Test Level:	35
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934639039
Pump Test ID:	991513198
Test Type:	Draw Down
Test Duration:	45
Test Level:	40
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934896521
Pump Test ID:	991513198
Test Type:	Draw Down
Test Duration:	60
Test Level:	40
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933468700
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	158
Water Found Depth UOM:	ft
--	--
--	--

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	1 of 1	WSW/93.7	64.3	241 Centrum Blvd Ottawa ON K1E0A1	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20131213033
Addit. Info Ordered::	
Report Date:	24-DEC-13
Report Type:	Custom Report
Search Radius (km):	.3

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	1 of 2	E/96.3	62.8	DCR/Phoenix Development Corporation Limited 3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	CA

Certificate #: 8733-8KU2AY
Application Year: 2011
Issue Date: 8/22/2011
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::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	2 of 2	E/96.3	62.8	DCR/Phoenix Development Corporation Limited 3291 St. Joseph Boulevard and 241 Centrum Boulevard Ottawa ON	ECA

Approval No: 6205-8TAQV9
Project Type: Municipal and Private Sewage
Date: 7/19/2012
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL:
Full Address:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	1 of 1	SE/101.9	74.4	lot 35 con 1 ON	WWIS

Well ID: 1513194
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Specific Capacity:
Municipality: CUMBERLAND TOWNSHIP
County: OTTAWA-CARLETON

Lot: 035
Concession: 01
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

-- --
Bore Hole ID: 10035182
DP2BR: 0
Code OB: r
Code OB Description: Bedrock
Open Hole:
Date Completed: 01-OCT-64
Remarks:
Zone: 18
East 83: 460710.8
North 83: 5036772
UTMRC: 5
UTMRC Description: margin of error : 100 m - 300 m
Location Method: p5

Org CS:	
Elevation:	75.18
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931022658
Layer:	1
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	176
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	961513194
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10583752
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930062343
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	54
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062344
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	176
Casing Diameter:	7
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991513194
Pump Set At:	
Static Level:	30
Final Level After Pumping:	80
Recommended Pump Depth:	90

Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	4
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933468696
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	176
Water Found Depth UOM:	ft
--	--
--	--

9 ***1 of 1*** ***SSE/107.1*** ***74.4*** ***lot 35 con 1 ON*** ***WWIS***

Well ID:	1513195	***Lot:***	035
Construction Date:		***Concession:***	01
Primary Water Use:	Domestic	***Concession Name:***	OF
Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	CUMBERLAND TOWNSHIP	***UTM Reliability:***	
County:	OTTAWA-CARLETON		

Bore Hole Information	
--	--
Bore Hole ID:	10035183
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	30-APR-65
Remarks:	
Zone:	18
East 83:	460670.8
North 83:	5036742
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	75.93
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931022659

Layer:	1
General Color:	
Most Common Material:	STONES
Other Materials:	CLAY
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	931022660
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	180
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	961513195
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10583753
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930062345
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	53
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062346
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	180
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991513195
Pump Set At:	
Static Level:	30
Final Level After Pumping:	50
Recommended Pump Depth:	70
Pumping Rate:	18
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM

Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933468697
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	180
Water Found Depth UOM:	ft
--	--
--	--

10 | **1 of 1** | **NE/110.0** | **59.3** | **Southwest of Tenth Line Rd and Regional Rd 174**
Ottawa (Orleans) ON | **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20100119037
Addit. Info Ordered::	
Report Date:	1/28/2010
Report Type:	Standard Report
Search Radius (km):	0.25

11 | **1 of 1** | **ENE/116.2** | **60.1** | **ON** | **BORE**

Borehole ID:	804227	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460744.69	**Northing::**	5036892.36
Location Accuracy::		**Orig. Ground Elev m::**	60.3
Elev. Reliability Note::		**DEM Ground Elev m::**	62
Total Depth m::	9.1	**Primary Name::**	AH.108
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	22-JAN-1987	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579741	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
Stratum ID:	218579742	**Top Depth(m):**	0.2
Bottom Depth(m):	4.0	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579743	**Top Depth(m):**	4.0
Bottom Depth(m):	9.1	**Stratum Desc:**	Grey Silty Clay

12 | **1 of 1** | **ENE/118.3** | **63.1** | **ON** | **BORE**

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

Borehole ID:	804226	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460753.38	**Northing::**	5036874.2
Location Accuracy::		**Orig. Ground Elev m::**	61
Elev. Reliability Note::		**DEM Ground Elev m::**	63.1
Total Depth m::	6.1	**Primary Name::**	AH.107
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	21-JAN-1987	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579738	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
Stratum ID:	218579739	**Top Depth(m):**	0.2
Bottom Depth(m):	4.0	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579740	**Top Depth(m):**	4.0
Bottom Depth(m):	6.1	**Stratum Desc:**	Grey Silty Clay

---

13 ***1 of 1*** ***E/122.1*** ***64.4*** ***ON*** ***BORE***

Borehole ID:	804225	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460759.91	**Northing::**	5036860.58
Location Accuracy::		**Orig. Ground Elev m::**	61.6
Elev. Reliability Note::		**DEM Ground Elev m::**	63.8
Total Depth m::	3.5	**Primary Name::**	AH.106
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	21-JAN-1987	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579735	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
Stratum ID:	218579736	**Top Depth(m):**	0.2
Bottom Depth(m):	3.2	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579737	**Top Depth(m):**	3.2
Bottom Depth(m):	3.5	**Stratum Desc:**	Grey Till sand silt

---

14 ***1 of 1*** ***S/122.8*** ***74.7*** ***lot 35 con 1 ON*** ***WWIS***

Well ID:	1513197	**Lot:**	035
Construction Date:		**Concession:**	01
Primary Water Use:	Domestic	**Concession Name:**	OF
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	CUMBERLAND TOWNSHIP	**UTM Reliability:**	
County:	OTTAWA-CARLETON		

Bore Hole Information

--	--

Bore Hole ID:	10035185
DP2BR:	4
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	22-AUG-67
Remarks:	
Zone:	18
East 83:	460650.8
North 83:	5036722
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	76.04
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931022663
Layer:	1
General Color:	
Most Common Material:	GRAVEL
Other Materials:	STONES
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft
--	--
Formation ID:	931022664
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	4
Formation End Depth:	181
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	961513197
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10583755
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930062349
Layer:	1

Open Hole or Material:	STEEL
Depth From:	
Depth To:	50
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062350
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	181
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991513197
Pump Set At:	
Static Level:	40
Final Level After Pumping:	100
Recommended Pump Depth:	100
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933468699
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	181
Water Found Depth UOM:	ft
--	--
--	--

15 | ***1 of 1*** | ***S/123.5*** | ***75.2*** | ***lot 35 con 1 ON*** | ***WWIS***

Well ID:	1516402	**Lot:**	035
Construction Date:		**Concession:**	01
Primary Water Use:	Domestic	**Concession Name:**	OF
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	
Municipality:	CUMBERLAND TOWNSHIP	**UTM Reliability:**	
County:	OTTAWA-CARLETON		

Bore Hole Information	
--	--
Bore Hole ID:	10038325
DP2BR:	17
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	

Date Completed:	14-JUL-77
Remarks:	
Zone:	18
East 83:	460629.8
North 83:	5036721
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	75.43
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--
Overburden and Bedrock Materials Interval	
--	--
Formation ID:	931032021
Layer:	1
General Color:	YELLOW
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	17
Formation End Depth UOM:	ft
--	--
Formation ID:	931032022
Layer:	2
General Color:	GREY
Most Common Material:	SLATE
Other Materials:	
Other Materials:	
Formation Top Depth:	17
Formation End Depth:	45
Formation End Depth UOM:	ft
--	--
Formation ID:	931032023
Layer:	3
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	45
Formation End Depth:	125
Formation End Depth UOM:	ft
--	--
Method of Construction & Well Use	
--	--
Method Construction ID:	961516402
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10586895
Casing Number:	1
Comment:	
Alt Name:	

--	--
Construction Record - Casing	
--	--
Casing ID:	930067364
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991516402
Pump Set At:	
Static Level:	34
Final Level After Pumping:	120
Recommended Pump Depth:	115
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	N
--	--
Draw Down & Recovery	
--	--
Pump Test Detail ID:	934101897
Pump Test ID:	991516402
Test Type:	Recovery
Test Duration:	15
Test Level:	60
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934380360
Pump Test ID:	991516402
Test Type:	Recovery
Test Duration:	30
Test Level:	34
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934641451
Pump Test ID:	991516402
Test Type:	Recovery
Test Duration:	45
Test Level:	34
Test Level UOM:	ft
--	--
Pump Test Detail ID:	934899353
Pump Test ID:	991516402
Test Type:	Recovery
Test Duration:	60
Test Level:	34
Test Level UOM:	ft
--	--
--	--
Water Details	
--	--
Water ID:	933472703
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft
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16 **1 of 1** **E/125.5** **64.6** **ON** **BORE**

Borehole ID:	804224	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460764.24	**Northing::**	5036851.5
Location Accuracy::		**Orig. Ground Elev m::**	62.3
Elev. Reliability Note::		**DEM Ground Elev m::**	64.3
Total Depth m::	.9	**Primary Name::**	AH.105
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	21-JAN-1987	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579733	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
Stratum ID:	218579734	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay

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17 **1 of 1** **E/132.9** **67.0** **ON** **BORE**

Borehole ID:	804197	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460770.61	**Northing::**	5036826.39
Location Accuracy::		**Orig. Ground Elev m::**	64.6
Elev. Reliability Note::		**DEM Ground Elev m::**	66
Total Depth m::	9.3	**Primary Name::**	BH.86-17
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	20-JAN-1987	**Static Water Level::**	5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579618	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	Topsoil
Stratum ID:	218579619	**Top Depth(m):**	0.2
Bottom Depth(m):	0.6	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579620	**Top Depth(m):**	0.6
Bottom Depth(m):	0.6	**Stratum Desc:**	Brown Till sand silt
Stratum ID:	218579621	**Top Depth(m):**	0.6
Bottom Depth(m):	9.3	**Stratum Desc:**	Grey Limestone

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18 **1 of 1** **SW/134.8** **73.2** **ON** **BORE**

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

Borehole ID:	616360	**Type:**	Borehole
Use:		**Status::**	
Drill Method::		**UTM Zone::**	18
Easting::	460551	**Northing::**	5036742
Location Accuracy::		**Orig. Ground Elev m::**	74.7
Elev. Reliability Note::		**DEM Ground Elev m::**	72.9
Total Depth m::	-999	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	OCT-1963	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218403742	**Top Depth(m):**	0.0
Bottom Depth(m):	4.3	**Stratum Desc:**	BOULDERS.
Stratum ID:	218403743	**Top Depth(m):**	4.3
Bottom Depth(m):		**Stratum Desc:**	BEDROCK. GREY. STONE. GREY. 00143FEET.GREY. = 6000. BEDROCK. SEISMIC VELOCITY = 1950

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19 **1 of 1** **NNE/142.0** **56.8** **ON** **BORE**

Borehole ID:	848222	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460691	**Northing::**	5036976
Location Accuracy::		**Orig. Ground Elev m::**	56.7
Elev. Reliability Note::		**DEM Ground Elev m::**	58.2
Total Depth m::	25.6	**Primary Name::**	
Township::	CUMBERLAND	**Concession::**	CON 1 FROM THE OTTAWA
Lot::	LOT 35	**Municipality:**	
Completion Date::	31-OCT-1989	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	6560279	**Top Depth(m):**	0.0
Bottom Depth(m):	0.9	**Stratum Desc:**	FIRM, BROWN, SILTY CLAY, MOIST: FILL
Stratum ID:	6560280	**Top Depth(m):**	0.9
Bottom Depth(m):	2.1	**Stratum Desc:**	VERY STIFF, BROWN, SILTY CLAY, CRUST, DESICCATED
Stratum ID:	6560281	**Top Depth(m):**	2.1
Bottom Depth(m):	10.6	**Stratum Desc:**	VERY STIFF TO STIFF, GREY, SILTY CLAY, WET
Stratum ID:	6560282	**Top Depth(m):**	10.6
Bottom Depth(m):	20.5	**Stratum Desc:**	VERY STIFF, DARK GREY SILTY CLAY, WET
Stratum ID:	6560283	**Top Depth(m):**	20.5
Bottom Depth(m):	25.6	**Stratum Desc:**	VERY STIFF, DARK GREY, SILTY CLAY, ORGANIC STIANS, WET

---

20 **1 of 1** **ESE/164.1** **71.3** **lot 35 con 1 ON** **WWIS**

Well ID:	1513196	**Lot:**	035
Construction Date:		**Concession:**	01
Primary Water Use:	Domestic	**Concession Name:**	OF

Sec. Water Use:		***Easting NAD83:***	
Final Well Status:	Water Supply	***Northing NAD83:***	
Specific Capacity:		***Zone:***	
Municipality:	CUMBERLAND TOWNSHIP	***UTM Reliability:***	
County:	OTTAWA-CARLETON		

Bore Hole Information

--	--
Bore Hole ID:	10035184
DP2BR:	5
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	
Date Completed:	06-AUG-65
Remarks:	
Zone:	18
East 83:	460790.8
North 83:	5036782
UTMRC:	4
UTMRC Description:	margin of error : 30 m - 100 m
Location Method:	p4
Org CS:	
Elevation:	72.99
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931022661
Layer:	1
General Color:	
Most Common Material:	GRAVEL
Other Materials:	STONES
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft
--	--
Formation ID:	931022662
Layer:	2
General Color:	GREY
Most Common Material:	LIMESTONE
Other Materials:	
Other Materials:	
Formation Top Depth:	5
Formation End Depth:	172
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

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Method Construction ID:	961513196
Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	
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Pipe Information

--	--
Pipe ID:	10583754

Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930062347
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	43
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062348
Layer:	2
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	172
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991513196
Pump Set At:	
Static Level:	40
Final Level After Pumping:	190
Recommended Pump Depth:	100
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933468698
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	172
Water Found Depth UOM:	ft
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21 ***1 of 1*** ***ENE/164.9*** ***65.4*** ***ON*** ***BORE***

Borehole ID:	848224	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Hollow stem auger	***UTM Zone::***	18
Easting::	460794	***Northing::***	5036899
Location Accuracy::		***Orig. Ground Elev m::***	60.5
Elev. Reliability Note::		***DEM Ground Elev m::***	62.6
Total Depth m::	9	***Primary Name::***	
Township::	CUMBERLAND	***Concession::***	CON 1 FROM THE OTTAWA

Lot::	LOT 35	**Municipality:**	
Completion Date::	31-OCT-1989	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	6560287	**Top Depth(m):**	0.0
Bottom Depth(m):	3.1	**Stratum Desc:**	50MM ROOTMAT OVERLYING VERY STIFF TO STIFF BROWNISH GREY SILTY CLAY CRUST
Stratum ID:	6560288	**Top Depth(m):**	3.1
Bottom Depth(m):	9.0	**Stratum Desc:**	STIFF TO FIRM GREY SILTY CLAY

---

22 **1 of 1** **ESE/181.0** **71.3** **ON** **BORE**

Borehole ID:	804198	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460801.09	**Northing::**	5036763.83
Location Accuracy::		**Orig. Ground Elev m::**	75.4
Elev. Reliability Note::		**DEM Ground Elev m::**	75.8
Total Depth m::	10.3	**Primary Name::**	BH.86-18
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	13-JAN-1987	**Static Water Level::**	5
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579626	**Top Depth(m):**	2.2
Bottom Depth(m):	10.3	**Stratum Desc:**	Grey Limestone
Stratum ID:	218579622	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Brown Fill-Misc Sand - Gravel
Stratum ID:	218579623	**Top Depth(m):**	0.1
Bottom Depth(m):	0.7	**Stratum Desc:**	Grey-Brown Fill-Misc Silty Clay
Stratum ID:	218579624	**Top Depth(m):**	0.7
Bottom Depth(m):	0.8	**Stratum Desc:**	Dark Brown Topsoil Silty Clay
Stratum ID:	218579625	**Top Depth(m):**	0.8
Bottom Depth(m):	2.2	**Stratum Desc:**	Grey-Brown Very Stiff Weathered Crust Silty Clay

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23 **1 of 1** **NE/181.3** **57.7** **ON** **BORE**

Borehole ID:	848220	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460750	**Northing::**	5036987
Location Accuracy::		**Orig. Ground Elev m::**	56.7
Elev. Reliability Note::		**DEM Ground Elev m::**	57.4
Total Depth m::	31.1	**Primary Name::**	
Township::	CUMBERLAND	**Concession::**	CON 1 FROM THE OTTAWA
Lot::	LOT 35	**Municipality:**	
Completion Date::	17-NOV-1989	**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:	6560271	***Top Depth(m):***	0.0
Bottom Depth(m):	0.8	***Stratum Desc:***	COMPACT, BROWN, SILTY SAND AND GRAVEL, MIXED WITH CLAY: FILL
Stratum ID:	6560272	***Top Depth(m):***	0.8
Bottom Depth(m):	2.8	***Stratum Desc:***	HARD TO VERY STIFF, BROWN, SILTY CLAY, CRUST, DESICCATED
Stratum ID:	6560273	***Top Depth(m):***	2.8
Bottom Depth(m):	15.2	***Stratum Desc:***	STIFF TO VERY STIFF GREY SILTY CLAY, WET
Stratum ID:	6560274	***Top Depth(m):***	15.2
Bottom Depth(m):	31.1	***Stratum Desc:***	STIFF, DARK GREY, SILTY CLAY, ORGANIC, STAINS, WET

---

24 ***1 of 1*** ***SW/189.0*** ***74.4*** ***St. Joseph Blvd Ottawa ON*** ***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20140306041
Addit. Info Ordered::	City Directory
Report Date:	17-MAR-14
Report Type:	Standard Report
Search Radius (km):	.25

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25 ***1 of 1*** ***NE/195.0*** ***58.0*** ***ON*** ***BORE***

Borehole ID:	848226	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	Decommissioned
Drill Method::	Hollow stem auger	***UTM Zone::***	18
Easting::	460751	***Northing::***	5037004
Location Accuracy::		***Orig. Ground Elev m::***	58.2
Elev. Reliability Note::		***DEM Ground Elev m::***	58.4
Total Depth m::	32.5	***Primary Name::***	
Township::	CUMBERLAND	***Concession::***	CON 1 FROM THE OTTAWA
Lot::	LOT 35	***Municipality:***	
Completion Date::	17-JAN-1986	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	6560293	***Top Depth(m):***	0.0
Bottom Depth(m):	32.5	***Stratum Desc:***	CLAY (DESICCATED) VERY STIFF (BROWN) TO CLAY OF HIGH PLASTICITY, FIRM TO STIFF, GREY

---

26 ***1 of 1*** ***SE/208.8*** ***81.4*** ***ON*** ***BORE***

Borehole ID:	804223	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Hollow stem auger	***UTM Zone::***	18
Easting::	460809.47	***Northing::***	5036723.68
Location Accuracy::		***Orig. Ground Elev m::***	80.1

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

Elev. Reliability Note::		***DEM Ground Elev m::***	81.8
Total Depth m::	1.9	***Primary Name::***	AH.104
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	14-JAN-1987	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	218579732	***Top Depth(m):***	0.1
Bottom Depth(m):	1.9	***Stratum Desc:***	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579731	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	Topsoil

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27 ***1 of 1*** ***SE/217.8*** ***82.2*** ***ON*** ***BORE***

Borehole ID:	804222	***Type:***	Borehole
Use:	Geotechnical/Geological Investigation	***Status::***	
Drill Method::	Hollow stem auger	***UTM Zone::***	18
Easting::	460813.86	***Northing::***	5036714.6
Location Accuracy::		***Orig. Ground Elev m::***	80.8
Elev. Reliability Note::		***DEM Ground Elev m::***	83
Total Depth m::	2.7	***Primary Name::***	AH.103
Township::		***Concession::***	
Lot::		***Municipality:***	
Completion Date::	15-JAN-1987	***Static Water Level::***	-999.9
Primary Water Use::		***Sec. Water Use::***	

--Details--

Stratum ID:	218579728	***Top Depth(m):***	0.0
Bottom Depth(m):	0.1	***Stratum Desc:***	Topsoil
Stratum ID:	218579729	***Top Depth(m):***	0.1
Bottom Depth(m):	2.3	***Stratum Desc:***	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579730	***Top Depth(m):***	2.3
Bottom Depth(m):	2.7	***Stratum Desc:***	Grey Till sand silt

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28 ***1 of 4*** ***ESE/221.4*** ***69.4*** ***CUMBERLAND TOWNSHIP***
RR #47/ST.JOSEPH BLVD./RR # 34
CUMBERLAND TWP. ON ***CA***

Certificate #:	3-0284-93-
Application Year:	93
Issue Date:	4/1/1993
Approval Type:	Municipal sewage
Status:	Cancelled
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

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28 ***2 of 4*** ***ESE/221.4*** ***69.4*** ***Ottawa Police Service East Division Building***
Intersection of St. Joseph Blvd. & 10th Line ***CA***

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

Certificate #: 4923-543KLW
Application Year: 01
Issue Date: 11/15/01
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name:: The Corporation of the City of Ottawa
Client Address:: 110 Laurier Avenue West
Client City:: Ottawa
Client Postal Code:: K1P 1J1
Project Description:: Installation of Combustion Equipment (Diesel Generator, Gas Fired Rood Top Units, Gas Fired Boilers and a gas fired Humidifier) at the Ottawa Police Service East Division Building
Contaminants::
Emission Control::

28	***3 of 4***	***ESE/221.4***	***69.4***	***City of Ottawa ON 10TH LINE NORTH AT ST. JOSEPH<UNOFFICIAL> Ottawa ON***	***SPL***

Ref No: 6543-5TFKC5
Contaminant Code: 15
Contaminant Name: TRANSMISSION OIL
Contaminant Quantity: 45 L
Incident Cause:
Incident Dt: 11/19/2003
Incident Reason:
Incident Summary: OC Transpo-45 L Hydraulic Oil to Road & CB.
MOE Reported Dt: 11/19/2003
Environmental Impact: Not Anticipated
Nature of Impact:
Receiving Medium: Land & Water
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

28	***4 of 4***	***ESE/221.4***	***69.4***	***PUC LOT AT INT. OF RR 34 & RR 47 MOTOR VEHICLE (OPERATING FLUID) CUMBERLAND TOWNSHIP ON***	***SPL***

Ref No: 93355
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Dt: 11/12/1993
Incident Reason: ERROR
Incident Summary: REG. MUN. OF CARLETON: TRUCK OVERTURN 45L DIESEL/MOTOR OIL TO LOT
MOE Reported Dt: 11/12/1993
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:

Site Municipality: 20601

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29 **1 of 1** **E/226.0** **69.1** **ON** **BORE**

Borehole ID:	806539	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460864.56	**Northing::**	5036831.13
Location Accuracy::		**Orig. Ground Elev m::**	103
Elev. Reliability Note::		**DEM Ground Elev m::**	66.4
Total Depth m::	10.4	**Primary Name::**	98-2
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	17-AUG-1998	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218589278	**Top Depth(m):**	0.0
Bottom Depth(m):	3.8	**Stratum Desc:**	Grey-Brown Loose Fill-Misc Silty Clay Occasional: Blds
Stratum ID:	218589279	**Top Depth(m):**	3.8
Bottom Depth(m):	6.1	**Stratum Desc:**	Grey-Brown Stiff Fill-Misc Silty Clay
Stratum ID:	218589280	**Top Depth(m):**	6.1
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey-Brown Stiff to Very Stiff Weathered Crust Silty Clay

---

30 **1 of 1** **SE/226.6** **83.0** **ON** **BORE**

Borehole ID:	804221	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460818.19	**Northing::**	5036705.52
Location Accuracy::		**Orig. Ground Elev m::**	82.3
Elev. Reliability Note::		**DEM Ground Elev m::**	84.2
Total Depth m::	4.8	**Primary Name::**	AH.102
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	14-JAN-1987	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218579724	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Topsoil
Stratum ID:	218579725	**Top Depth(m):**	0.1
Bottom Depth(m):	2.6	**Stratum Desc:**	Grey-Brown Weathered Crust Silty Clay
Stratum ID:	218579726	**Top Depth(m):**	2.6
Bottom Depth(m):	3.8	**Stratum Desc:**	Grey Silty Clay
Stratum ID:	218579727	**Top Depth(m):**	3.8
Bottom Depth(m):	4.8	**Stratum Desc:**	Grey Till sand silt

---

31 **1 of 1** **E/227.6** **64.0** **ON** **BORE**

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

Borehole ID:	806543	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460864.57	**Northing::**	5036873.62
Location Accuracy::		**Orig. Ground Elev m::**	97.6
Elev. Reliability Note::		**DEM Ground Elev m::**	64
Total Depth m::	10.4	**Primary Name::**	98-3
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	18-AUG-1998	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218589291	**Top Depth(m):**	0.0
Bottom Depth(m):	2.3	**Stratum Desc:**	Grey-Brown Loose Fill-Misc Silty Clay With: Gr
Stratum ID:	218589292	**Top Depth(m):**	2.3
Bottom Depth(m):	6.1	**Stratum Desc:**	Grey-Brown Stiff to Very Stiff Weathered Crust Silty Clay
Stratum ID:	218589293	**Top Depth(m):**	6.1
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey Stiff Silty Clay

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32 ***1 of 1*** ***NNE/235.9*** ***61.2*** ***ON*** ***BORE***

Borehole ID:	848223	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460710	**Northing::**	5037069
Location Accuracy::		**Orig. Ground Elev m::**	59.4
Elev. Reliability Note::		**DEM Ground Elev m::**	60.1
Total Depth m::	25.6	**Primary Name::**	
Township::	CUMBERLAND	**Concession::**	CON 1 FROM THE OTTAWA
Lot::	LOT 35	**Municipality:**	
Completion Date::	17-NOV-1989	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	6560284	**Top Depth(m):**	0.0
Bottom Depth(m):	2.1	**Stratum Desc:**	50MM OF SILTY CLAY FILL OVER VERY STIFF BROWN SILTY CLAY, CURST, DESICCATED
Stratum ID:	6560285	**Top Depth(m):**	2.1
Bottom Depth(m):	18.2	**Stratum Desc:**	STIFF TO VERY STIFF, SILTY CLAY, WET
Stratum ID:	6560286	**Top Depth(m):**	18.2
Bottom Depth(m):	25.6	**Stratum Desc:**	VERY STIFF, DARK GREY, SILTY CLAY, WET

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33 ***1 of 1*** ***ESE/237.7*** ***69.1*** ***lot 34 con 1 ON*** ***WWIS***

Well ID:	1513186	**Lot:**	034
Construction Date:		**Concession:**	01
Primary Water Use:	Domestic	**Concession Name:**	OF
Sec. Water Use:		**Easting NAD83:**	
Final Well Status:	Water Supply	**Northing NAD83:**	
Specific Capacity:		**Zone:**	

Municipality:	CUMBERLAND TOWNSHIP	***UTM Reliability:***	
County:	OTTAWA-CARLETON		

Bore Hole Information

--	--
Bore Hole ID:	10035174
DP2BR:	
Code OB:	o
Code OB Description:	Overburden
Open Hole:	
Date Completed:	27-FEB-61
Remarks:	
Zone:	18
East 83:	460870.8
North 83:	5036792
UTMRC:	5
UTMRC Description:	margin of error : 100 m - 300 m
Location Method:	p5
Org CS:	
Elevation:	70.45
Elevrc:	
Elevrc Description:	
Location Source Date:	
Source Revision Comment:	
Improvement Location Source:	
Improvement Location Method:	
Supplier Comment:	
Spatial Status:	
--	--

Overburden and Bedrock Materials Interval

--	--
Formation ID:	931022636
Layer:	1
General Color:	BLUE
Most Common Material:	CLAY
Other Materials:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	81
Formation End Depth UOM:	ft
--	--
Formation ID:	931022637
Layer:	2
General Color:	
Most Common Material:	GRAVEL
Other Materials:	
Other Materials:	
Formation Top Depth:	81
Formation End Depth:	86
Formation End Depth UOM:	ft
--	--
Formation ID:	931022638
Layer:	3
General Color:	
Most Common Material:	HARDPAN
Other Materials:	
Other Materials:	
Formation Top Depth:	86
Formation End Depth:	87
Formation End Depth UOM:	ft
--	--

Method of Construction & Well Use

--	--
Method Construction ID:	961513186

Method Construction Code:	7
Method Construction:	Diamond
Other Method Construction:	
--	--
Pipe Information	
--	--
Pipe ID:	10583744
Casing Number:	1
Comment:	
Alt Name:	
--	--
Construction Record - Casing	
--	--
Casing ID:	930062326
Layer:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	81
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062327
Layer:	2
Open Hole or Material:	
Depth From:	
Depth To:	86
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Casing ID:	930062328
Layer:	3
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	87
Casing Diameter:	3
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
--	--
Well Yield Testing	
--	--
Pump Test ID:	991513186
Pump Set At:	
Static Level:	20
Final Level After Pumping:	35
Recommended Pump Depth:	35
Pumping Rate:	6
Flowing Rate:	
Recommended Pump Rate:	2
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	N
--	--
Water Details	
--	--
Water ID:	933468688
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	87

Water Found Depth UOM:	ft
--	--
--	--

34 **1 of 1** **NE/246.0** **56.8** **ON** **BORE**

Borehole ID:	848221	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	Decommissioned
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460802	**Northing::**	5037028
Location Accuracy::		**Orig. Ground Elev m::**	57.6
Elev. Reliability Note::		**DEM Ground Elev m::**	57.7
Total Depth m::	45.5	**Primary Name::**	
Township::	CUMBERLAND	**Concession::**	CON 1 FROM THE OTTAWA
Lot::	LOT 35	**Municipality:**	
Completion Date::	17-NOV-1989	**Static Water Level::**	-999.9
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	6560275	**Top Depth(m):**	0.0
Bottom Depth(m):	3.7	**Stratum Desc:**	HARD TO STIFF, BROWN, SILTY CLAY, CRUST, DESICCATED
Stratum ID:	6560276	**Top Depth(m):**	3.7
Bottom Depth(m):	12.2	**Stratum Desc:**	FIRM TO STIFF, GREY, SILTY CLAY, WET
Stratum ID:	6560277	**Top Depth(m):**	12.2
Bottom Depth(m):	45.5	**Stratum Desc:**	STIFF TO VERY STIFF, DARK GREY, SILTY CLAY, ORGANIC STAINS, WET

35 **1 of 1** **E/246.1** **67.1** **ON** **BORE**

Borehole ID:	806535	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Hollow stem auger	**UTM Zone::**	18
Easting::	460884.88	**Northing::**	5036838.75
Location Accuracy::		**Orig. Ground Elev m::**	99.6
Elev. Reliability Note::		**DEM Ground Elev m::**	65.3
Total Depth m::	10.4	**Primary Name::**	98-1
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	17-AUG-1998	**Static Water Level::**	9.3
Primary Water Use::		**Sec. Water Use::**	

--Details--

Stratum ID:	218589262	**Top Depth(m):**	0.0
Bottom Depth(m):	0.1	**Stratum Desc:**	Dark Brown Topsoil Clay
Stratum ID:	218589263	**Top Depth(m):**	0.1
Bottom Depth(m):	2.3	**Stratum Desc:**	Grey-Brown Fill-Misc Silty Clay With: Gr
Stratum ID:	218589264	**Top Depth(m):**	2.3
Bottom Depth(m):	6.1	**Stratum Desc:**	Grey-Brown Stiff to Very Stiff Weathered Crust Silty Clay
Stratum ID:	218589265	**Top Depth(m):**	6.1
Bottom Depth(m):	10.4	**Stratum Desc:**	Grey Stiff Silty Clay

Unplottable Summary

Total: 42 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CUMBERLAND TOWNSHIP	RR #34 (ST. JOSEPH BLVD.) SWM	CUMBERLAND TWP. ON	
CA	CUMBERLAND TOWNSHIP	RR #34 (ST. JOSEPH BLVD.)	CUMBERLAND TWP. ON	
CA	REG.MUN.OF OTTAWA-CARLETON	QUEENSWAY N.	OTTAWA ON	
CA	TWP.	CENTRUM BLVD.	CUMBERLAND ON	
CA	PEREZ CORPORATION	CENTRUM BLVD.	CUMBERLAND TWP. ON	
CA	PEREZ CORPORATION	CENTRUM BLVD.	CUMBERLAND TWP. ON	
CA	BUILDER DEVELOPMENT CORP.	ST. JOSEPH BLVD. APT. (SWM)	CUMBERLAND TWP. ON	
CA	CONSEIL SCOLAIRE DE LANGUE FRANCAISE	ST. JOSEPH BOULEVARD	CUMBERLAND TWP. ON	
CA	J. JOANNISSE - LOT 30/CONC.1	ST.JOSEPH BLVD/STM-WATER MGT.	CUMBERLAND TWP. ON	
CA	ORLEANS VETERINARY HOSPITAL C/O PROJEK	TENTH LINE RD. DESIGN & DEV	CUMBERLAND TWP. ON	
CA	BRAM GROUP - BILBERRY CREEK INDL. PARK	TENTH LINE RD./S.W.M. FAC.	CUMBERLAND TWP. ON	
CA	City of Ottawa	Tenth Line Rd Cumberland Ward	Ottawa ON	
CA	City of Ottawa	Tenth Line Rd Cumberland Ward	Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development		Ottawa ON	

	Corporation Limited			
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	DCR/Phoenix Development Corporation Limited		Ottawa ON	
CA	Township of Cumberland	10TH LINE RD./S.W.M.	CUMBERLAND TWP. ON	
CA	DCR/Phoenix Development Corporation Limited and the National Capital Commission		Ottawa ON	
CA	CARLETON BOARD OF EDUCATION	BLOCK 312, 10TH LINE	CUMBERLAND TWP. ON	
GEN	CANADIAN PACIFIC RAILWAY COMPANY	LOT 35, CONCESSION 1 COUNTY OF NORTH CUMBERLAND	BRIGHTON ON	M1S 4A8
PTTW	AECON Construction & Materials Ltd.	30m north of the north-east corner of the Mississippi River and Highway #17	Ottawa ON	
RST	MR GAS LTD	HWY 17 ARNPRIOR	OTTAWA ON	K0A 2H0
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	UNKNOWN	10TH LINE ROAD	CUMBERLAND TOWNSHIP ON	
SPL	UNKNOWN	BLAIR STATION AND QUEENSWAY	OTTAWA CITY ON	
SPL	City of Ottawa	Hwy 174 westbound	Ottawa ON	
SPL	PRIVATE OWNER	LOT 36 CONC 1 CUMBERLAND ORLEANS STORAGE TANK/BARREL	OTTAWA CITY ON	
SPL	TRANSPORT TRUCK	HWY 17 AT QUIGLEY HILL MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	CONSTRUCTION SITE	MISSISSIPPI BRIDGE CONST. SITE, 300 M WEST OF HWY 17, 3.5 KM N OF ANTRIM (N.O.S.)	OTTAWA CITY ON	
SPL	TRANSPORT TRUCK	AT THE MR. GAS SERVICE STATION ON HWY. 17 AT TRIM RD. IN ORLEANS MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	CONTRACTOR	HIGHWAY 17 CONSTRUCTION SITE MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TOWNSHIP ON	
SPL	CONSUMERS GAS	HWY 17 NATURAL GAS PIPELINE	CUMBERLAND TWP. ON	

SPL	ONTARIO HYDRO	HWY 17 EAST OF CUMBERLAND STA. (WEST LANE) MOTOR VEHICLE (OPERATING FLUID)	CUMBERLAND TWP. ON
SPL	ONTARIO HYDRO	HWY 17 AT QUIGLEY HILL TRANSFORMER	CUMBERLAND TOWNSHIP ON
SPL	CRAWFORD TRANSPORT	ON HWY. 17 AT THE PLACE D'ORLEANS ABOUT 5 MI. EAST OF OTTAWA MOTOR VEHICLE (OPERATING FLUID)	OTTAWA-CARLETON R.M. ON
SPL	TANK TRUCK	HIGHWAY 17 AT PLACE D'ORLEANS DR. TANK TRUCK (CARGO)	CUMBERLAND TOWNSHIP ON

Unplottable Report

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

Database: ***CA***

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

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

Database: ***CA***

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

Site: ***REG.MUN.OF OTTAWA-CARLETON***
QUEENSWAY N. OTTAWA ON

Database: ***CA***

Certificate #:	3-0468-85-006
Application Year:	85
Issue Date:	6/4/85
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

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

Database: ***CA***

Certificate #:	7-0110-85-007
Application Year:	85

Issue Date: 3/11/85
Approval Type: Municipal water
Status: Revised Ammendment
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

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

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

Database: ***CA***

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

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

Database: ***CA***

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

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

Database: ***CA***

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

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

Database: ***CA***

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

Site: ***ORLEANS VETERINARY HOSPITAL C/O PROJEK***
TENTH LINE RD. DESIGN & DEV CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-0986-87-
Application Year: 87
Issue Date: 6/15/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***BRAM GROUP - BILBERRY CREEK INDL. PARK***
TENTH LINE RD./S.W.M. FAC. CUMBERLAND TWP. ON

Database: ***CA***

Certificate #: 3-1316-92-
Application Year: 92
Issue Date: 11/16/1992
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::

Contaminants::
Emission Control::

Site: ***City of Ottawa***
Tenth Line Rd Cumberland Ward Ottawa ON

Database: ***CA***

Certificate #: 1950-7LGSHX
Application Year: 2008
Issue Date: 11/27/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***City of Ottawa***
Tenth Line Rd Cumberland Ward Ottawa ON

Database: ***CA***

Certificate #: 3246-6XDPKA
Application Year: 2007
Issue Date: 1/19/2007
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

Certificate #: 2423-8BKMY7
Application Year: 2010
Issue Date: 12/13/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

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

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

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

Database: ***CA***

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

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

Database: ***CA***

Certificate #: 6336-5ZSPY5
Application Year: 2004
Issue Date: 6/11/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

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

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

Database: ***CA***

Certificate #: 4027-78FLST

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

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

Database: ***CA***

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

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

Database: ***CA***

Certificate #: 5746-89AQZW
Application Year: 2010
Issue Date: 9/17/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

Certificate #: 2519-89BLNM
Application Year: 2010
Issue Date: 9/17/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

Certificate #: 3-1386-92-
Application Year: 92
Issue Date: 5/28/1993
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

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

Database: ***CA***

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

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

Database: ***CA***

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

Site: ***CANADIAN PACIFIC RAILWAY COMPANY***
LOT 35, CONCESSION 1 COUNTY OF NORTH CUMBERLAND BRIGHTON ON M1S 4A8

Database: ***GEN***

PO Box Num:
Status:
Country:
Generator #: ON0048147
Approval Yrs:: 98
SIC Code: 4531
SIC Description: RAILWAY TRANS. IND.

--Details--
Waste Code: 221

Waste Description: LIGHT FUELS

Site: ***AECON Construction & Materials Ltd.***
30m north of the north-east corner of the Mississippi River and Highway #17 Ottawa ON

Database: ***PTTW***

Year: 2003
EBR Registry No.: IA03E1774
Ministry Reference Number: ER-7826-51-rR62
Notice Type: Instrument Final Decision
Instrument Type: Permit to take water - OWRA s. 34
Proposal Date:
Location: Approximately 30m north of the north-east corner of the Mississippi River and Highway #17, Ottawa (geographic Township of West Carleton)
Proponent Address: 11 Indell Lane Brampton Ontario L6T 3Y3
Notice Date:

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

Database: ***RST***

Code: 1186800
Facility: Service Stations-Gasoline, Oil & Natural Gas
Description:
List Name:

Site: ***TRANSPORT TRUCK***
QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database: ***SPL***

Ref No: 224201
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Dt: 4/19/2002
Incident Reason: ERROR
Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.
MOE Reported Dt: 4/19/2002
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20107

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

Database: ***SPL***

Ref No: 101790
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 6/24/1994
Incident Reason: UNKNOWN
Incident Summary: UNKNOWN SOURCE-PETROLEUM PRODUCT TO CATCHBASIN, VACTRUCK CALLED.
MOE Reported Dt: 6/24/1994
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:

Site Municipality: 20601

Site: ***UNKNOWN***
BLAIR STATION AND QUEENSWAY OTTAWA CITY ON

Database: ***SPL***

Ref No: 239018
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 9/11/2002
Incident Reason: UNKNOWN
Incident Summary: SOURCE UNK: UNK VOLUME OF ANTIFREEZE IN THE STORMSEWER, CLEANING
MOE Reported Dt: 9/11/2002
Environmental Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: LAND, WATER
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20107

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

Database: ***SPL***

Ref No: 1861-72DJ2M
Contaminant Code: 27
Contaminant Name: COOLANT (N.O.S.)
Contaminant Quantity: 20 L
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Spill
Incident Summary: OC Transpo: 15-20 L antifreeze to roadway
MOE Reported Dt: 4/18/2007
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Ottawa

Site: ***PRIVATE OWNER***
LOT 36 CONC 1 CUMBERLAND ORLEANS STORAGE TANK/BARREL OTTAWA CITY ON

Database: ***SPL***

Ref No: 227995
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt:
Incident Reason: UNKNOWN
Incident Summary: UNKNOWN OWNER- 100 L OF TRANSFORMER OIL TO GRD FROM DRUM.
MOE Reported Dt: 6/12/2002
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 20107

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

Database: ***SPL***

Ref No:	72101
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER TRANSPORTATION ACCIDENT
Incident Dt:	6/15/1992
Incident Reason:	ERROR
Incident Summary:	M.V.A.-225 L HYDRAULIC OIL & 25 L DIESEL FUEL TOROAD/DITCH,CONTAINED.
MOE Reported Dt:	6/15/1992
Environmental Impact:	CONFIRMED
Nature of Impact:	Soil Contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

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

Database: ***SPL***

Ref No:	192858
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	CONTAINER OVERFLOW
Incident Dt:	1/3/2001
Incident Reason:	UNKNOWN
Incident Summary:	DUFFERIN CONSTRUCTION- 40-60 L SILTY WATER OVER-FLOWED SILT FENCE,CONT'D.
MOE Reported Dt:	1/3/2001
Environmental Impact:	Not Anticipated
Nature of Impact:	Water course or lake
Receiving Medium:	Land
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20107

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

Database: ***SPL***

Ref No:	166790
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	4/20/1999
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	MULTI MARQUES - 200 L OF DIESEL FUEL TO GROUND & SEWER FROM TRUCK.
MOE Reported Dt:	4/20/1999
Environmental Impact:	CONFIRMED
Nature of Impact:	Water course or lake
Receiving Medium:	LAND / WATER
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

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

Database: ***SPL***

Ref No:	91870
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	OTHER CONTAINER LEAK
Incident Dt:	9/30/1993
Incident Reason:	EQUIPMENT FAILURE
Incident Summary:	CONTRACTOR: 45 L HYDRAULIC OIL TO GROUND FROM PAVER
MOE Reported Dt:	9/30/1993
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

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

Database: ***SPL***

Ref No:	39641
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	PIPE/HOSE LEAK
Incident Dt:	8/23/1990
Incident Reason:	DAMAGE BY MOVING EQUIPMENT
Incident Summary:	CONSUMERS GAS-PIPELINE RUPTURE.
MOE Reported Dt:	8/23/1990
Environmental Impact:	POSSIBLE
Nature of Impact:	Human health
Receiving Medium:	AIR
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

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

Database: ***SPL***

Ref No:	39231
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	PIPE/HOSE LEAK
Incident Dt:	8/14/1990
Incident Reason:	OVERSTRESS/OVERPRESSURE
Incident Summary:	ONTARIO HYDRO - 25 L HYDRAULIC OIL TO GROUND; BROKEN HOSE ON VEHICLE.
MOE Reported Dt:	8/14/1990
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

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

Database: ***SPL***

Ref No:	72102
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	COOLING SYSTEM LEAK
Incident Dt:	6/15/1992
Incident Reason:	ERROR
Incident Summary:	ONTARIO HYDRO- 45 LITRES TRANSFORMER OIL 31 PPM PCB'S TO GRND, M.V.A.
MOE Reported Dt:	6/15/1992
Environmental Impact:	CONFIRMED
Nature of Impact:	Soil Contamination
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

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

Database: ***SPL***

Ref No:	68430
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	CONTAINER OVERFLOW
Incident Dt:	3/26/1992
Incident Reason:	OTHER
Incident Summary:	P.P. CRAWFORD TRANSPORT - 450 L OF LIQUID TAR TO ROAD FROM TANK TRUCK.
MOE Reported Dt:	3/26/1992
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	Other
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20000

Site: ***TANK TRUCK***
HIGHWAY 17 AT PLACE D'ORLEANS DR. TANK TRUCK (CARGO) CUMBERLAND TOWNSHIP ON

Database: ***SPL***

Ref No:	87973
Contaminant Code:	
Contaminant Name:	
Contaminant Quantity:	
Incident Cause:	TRUCK/TRAILER OVERTURN
Incident Dt:	7/5/1993
Incident Reason:	ERROR
Incident Summary:	FUEL TANKER - 45 L DIESEL FUEL TO ROAD FROM OVERTURNED TANK TRUCK
MOE Reported Dt:	7/5/1993
Environmental Impact:	NOT ANTICIPATED
Nature of Impact:	
Receiving Medium:	LAND
SAC Action Class:	
Sector Source Type:	
Receiving Environment:	
Incident Event:	
Site Municipality:	20601

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory: Provincial AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

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

Government Publication Date: Up to Sep 2016

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-Nov 2016

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: 1999-May 2017

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: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-May 2017

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 31, 2012

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-May 2017

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-Jun 2017

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Mar 2017

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-Jun2017

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Mar 2017

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 2016

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Mar 2017

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: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Sep 2016

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2015

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: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2017

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

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2014

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 Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008 - Dec 2016

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: 1993-2014

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-May 2017

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-Oct 2016

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-Jun 2017

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

Government Publication Date: 1988-Oct 2016

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: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Jun 2017

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-Jun 2017

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-May 2017

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-Feb 2017

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: 1990-2014

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-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: 1970-Mar 2017

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: Jun 30, 2016

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix E:
Site Photographs

Photograph No. 1

View of Site facing west. Large fill piles can be seen among the length of the Site.

Photograph No. 2

A view of Site facing east.

Photograph No. 3

View of the residential development to the north of the Site.

Photograph No. 4

Representative view of construction debris within fill piles.

Photograph No. 5

View of old freezer and washing machine located in adjacent property to the north of the Site.

Photograph No. 6

View of multi-tenant residential structure located directly adjacent to the eastern boundary of the Site.

Photograph No. 7

Representative view of storm water sewer located on the Site.