December 2013

FINAL REPORT ON

Phase I Environmental Site Assessment
4791 Bank Street
Kellam Lands
Ottawa, Ontario

Submitted to:
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2193 Arch Street
Ottawa, Ontario
K1G 2H5

REPORT

Report Number: 13-1122-0223

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EXECUTIVE SUMMARY

Golder Associates Ltd. ("Golder") was retained by Urbandale Corporation ("Urbandale") to conduct a Phase I Environmental Site Assessment ("Phase I ESA") of the property located at 4791 Bank Street and referred to as the "Kellam Lands" in Ottawa (Gloucester), Ontario (the "Site") as shown on Figures 1 and 2. *The Executive Summary highlights key points from the report only; for complete information and findings, as well as the limitations, the reader should examine the complete report.*

The legal description of the Site is as follows:

- Concession 5, Rideau Front, Part of Lot 19, City of Ottawa.

The Phase One ESA was completed in accordance with *Ontario Regulation (O. Reg.) 153/04* and included a review of available current and historical information on the Site and surrounding properties, a Site walkover, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 9.0 of this report. The Site is not considered an enhanced investigation property as defined by *O. Reg. 153/04*.

The eastern 2/3 of the Site is generally infilled and graded and the western 1/3 of the Site is forested and vacant. Golder was involved in the soil management for the Site and indicated has knowledge that the fill material placed on the Site was of appropriate quality for the intended use at the Site. Given that the testing and receiving of material has been environmentally managed, it is not considered an issue of potential environmental concern for the Site.

Based on the information collected as part of this Phase One ESA, there were no issues of potential environmental concern related to soil and groundwater identified on the Site. However, the following is recommended in conjunction with developing the Site:

- Should groundwater wells be found during development of the Site, they should be decommissioned as per *Ontario Regulation (O. Reg.) 903.*

Table of Contents

EXECUTIVE SUMMARY ..... **i**

1.0 INTRODUCTION **1**

2.0 SCOPE OF INVESTIGATION **2**

3.0 RECORDS REVIEW **3**

3.1 General 3

3.1.1 Phase One Study Area Determination 3

3.1.2 First Developed Use Determination 3

3.1.3 Fire Insurance Plans 3

3.1.4 Chain of Title 3

3.1.5 City Directories 3

3.1.6 Environmental Reports/Correspondence 4

3.1.7 Environmental Source Information 4

3.1.8 Ministry of the Environment (MOE) 6

3.1.9 The City of Ottawa (City) 6

3.1.10 Ministry of Natural Resources (MNR) 7

3.1.11 Technical Standards and Safety Authority, Fuels Safety Program Records 7

3.2 Physical Setting Sources 7

3.2.1 Aerial Photographs 7

3.2.2 Topography, Hydrology and Geology 9

3.2.3 Fill Materials 10

3.2.4 Water Bodies and Areas of Natural Significance 11

3.2.5 Well Records 11

3.3 Site Operating Records 11

4.0 INTERVIEW **12**

5.0 SITE RECONNAISSANCE **13**

5.1 General Requirements 13

5.2 Specific Observations at the Phase One Property 13

5.2.1 Phase One Property Details 13

5.3 Surrounding Land Use 15

6.0 REVIEW AND EVALUATION OF INFORMATION 16

6.1 Current and Past Uses of the Site 16

6.2 Potentially Contaminating Activity 16

6.3 Areas of Potential Environmental Concern 16

6.3.1 Conceptual Site Model 16

6.3.2 Uncertainty and Absence of Information 17

7.0 ISSUES OF POTENTIAL ENVIRONMENTAL CONCERN 18

7.1 Need for a Phase Two ESA 18

8.0 REFERENCES 19

9.0 LIMITATIONS AND USE OF REPORT 20

10.0 STATEMENT OF COMPLETION 21

11.0 CLOSURE 22

FIGURES

Figure 1 – Key Plan

Figure 2 – Phase One Property and Phase One Study Area

Figure 3 – Topographic Map

Figure 4 – Area of Natural and Scientific Interest (ANSI)

Figure 5 – Bedrock Geology

Figure 6 – Surficial Geology

Figure 7 – Soils

Figure 8 – Physiography Map

APPENDICES

APPENDIX A
Site Plan

APPENDIX B
Regulatory Requests and Responses

APPENDIX C
Ecolog ERIS Report

APPENDIX D
Aerial Photographs

APPENDIX E
Site Photographs

1.0 INTRODUCTION

Golder Associates Ltd. ("Golder") was retained by Urbandale Corporation ("Urbandale") to conduct a Phase I Environmental Site Assessment ("Phase I ESA") of the property located at 4791 Bank Street and referred to as the "Kellam Lands" in Ottawa (Gloucester), Ontario (the "Site").

Municipal Address	4791 Bank Street, Ottawa, Ontario
Property Identification Number	043450667
Legal Description	Concession 5, Rideau Front, Part of Lot 19, City of Ottawa

A Site plan for the Site is provided in Appendix A. The Phase One Study Area is provided in Figure 1.

Authorization to proceed with this investigation was received from Urbandale on November 6, 2013. The contact information for the Site owner is:

Site Owner	Address	Contact Information
Urbandale Corporation	2193 Arch Street Ottawa, Ontario K1G 2H5	Ms. Mary Jarvis, Director of Planning & Land Development

2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Site and a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre ("m") radius of the municipal boundary of the Site (collectively referred to as the "Phase One Study Area"). The boundaries of the Phase One Study Area are presented in Figure 2.

According to *Ontario Regulation ("O. Reg.") 153/04 Records of Site Condition*, the objectives of a Phase One ESA are to:

- Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site;
- Determine the need for a Phase Two Environment Site Assessment ("ESA");
- Provide a basis for carrying out a Phase Two ESA;
- Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA; and,
- Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within 250 m of the boundaries of the Site. Based on Golder's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the Site and observations of neighbouring properties made during the Site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the Site was sufficient to achieve the objectives of the Phase One ESA.

3.1.2 First Developed Use Determination

The first developed use appears to be the recent clearing and infilling activities that have occurred at the Site. No buildings have been constructed on the Site.

3.1.3 Fire Insurance Plans

Fire insurance plans do not exist as the Kellam Lands have never been developed.

3.1.4 Chain of Title

Chain of Title information was not ordered as the Kellam Lands have never been developed. In Golder's opinion, the information provided in a Chain of Title would not contribute additional environmental information relevant to the Phase I ESA.

3.1.5 City Directories

Golder conducted a Street Directory search along Bank Street and the residential streets west of the Site in the Findlay Creek neighbourhood for the years 2010, 2004/2005 and 1999/2000. The Site address and/or addresses of properties within 250 m of the Site are not listed in City Directories searched prior to 1999/2000 since the Site was not located within the City of Ottawa limits prior to the 2001 City of Ottawa amalgamation. The following listings were found:

2010:

- 4775 Bank Street (200 m north of the Site): McGee Fencing; and,
- 4794 Bank Street (220 m west of the Site): Superior Roof Truss Inc.

2004/2005:

- 4775 Bank Street (200 m north of the Site): McGee Fencing; and,
- 4794 Bank Street (220 m west of the Site): Superior Roof Truss Inc.

1999/2000:

- Bank Street: Addresses along Bank Street within 250 m of the Site are not listed in the City Directories searched for the years 1999/2000;

Based on the results of the Street Directories, there are no obvious issues of potential environmental concern for the Site at 4789 Bank Street.

3.1.6 Environmental Reports/Correspondence

The following previous environmental reports were provided to Golder for review:

- Geotechnical Investigation (2010 Golder Geotechnical Investigation) for the trunk sewers north of the Site boundaries in December of 2010. The report is titled "*Geotechnical Investigation, Proposed Trunk Sewers, Sundance Village Development, Ottawa, Ontario".*

  The investigation reported that subsurface conditions on the proposed trunk sewer alignment (located north of the Site boundaries) generally consist of silts and sands overlying glacial till, with the surface of the bedrock being at depths ranging from about 1.9 to 6.7 metres below ground surface ("mbgs"). The Gloucester Fault crosses the Site with dolomitic limestone bedrock to the west of the fault and shale bedrock to the east of the fault.

- A review of available geotechnical information by Patterson Group (2012 Paterson Memo) for the Site dated June 22, 2012. The memo is titled "*Review of Available Geotechnical Information, Undeveloped Property – (Approximately 30 hectares), 4791 Bank Street - Ottawa"* file number PG2454-MEMO.04.

  The memo reported that, based on available mapping prepared by Geological Survey of Canada, approximately 60% of the overburden across the Site is greater than 5 m in thickness and that 60% of the bedrock consists of shale where the overburden thickness is greater than 5 m. It is also noted that shale bedrock in the Ottawa area is a weakly cemented rock which is typically excavated using a hydraulic shovel where only 2 to 3 m of this material has to be removed. It is expected that municipal service installations (i.e. sewers), as well as residential construction activities, can be completed with a hydraulic shovel (i.e. without blasting) for over 80% of the Site.

  It is also reported that the bedrock mapping delineation is further confirmed by the soils investigation, completed by Golder and as discussed above, for the sewer services installed just north of the Site boundaries.

- Correspondence with Urbandale through e-mail on November 8, 2012 (2012a Golder E-mail) in regards to a portion of laboratory analysis results of soil samples collected from a stockpile at Lansdowne Park in Ottawa. The subject of the e-mail is "*12-1121-0137 Soil Results Lansdowne Soil".* A follow–up e-mail (2012b Golder E-mail) containing the remaining laboratory analysis results for the soil samples was sent later on the same day with the subject of the e-mail as *"12-1121-0137 Remaining Lab data Lansdowne"* sent from Mr. Keith Homes of Golder to Ms. Mary Jarvis of Urbandale.

  The e-mails contain attachments of certificates of analysis from Maxxam Analytics Inc. and Exova Canada Inc. as well as a statement that the results of the analysis do not indicate the presence of contamination in the native soil and that they meet the applicable Ontario Ministry of the Environment Standards for the proposed use at the Urbandale Kellam Lands on Bank Street.

3.1.7 Environmental Source Information

An EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS) report is a detailing of historical environmental information for any property in Canada. The report researches, tabulates and identifies key federal, provincial as well as private sector databases (as listed in the EcoLog ERIS report) to pinpoint environmental elements within a 250 m radius of the Site. This is used to aid in the identification of possible

environmental concerns or risks for commercial, industrial and residential sites. Golder retained EcoLog ERIS to complete a search of available databases that provide environmentally pertinent records for the Site and within 250 m from the Site.

It should be noted that the EcoLog ERIS report was ordered with the Site boundaries including the subject Site as well as the parcel of land directly north of the Site since a Phase I ESA is being conducted for that parcel of land as well. It was agreed upon by Claridge Homes (Bank Street) Inc. and Urbandale that certain disbursements would be shared between the two projects. Therefore, some of the records that are shown in the EcoLog ERIS Report may not be relevant for one property due to the distance from that property's boundaries and care should be taken when reading the report.

A copy of the EcoLog ERIS Database Report can be referred to in Appendix C, including a list of all provincial and federal databases searched. The review of the EcoLog ERIS report indicated the following:

Summary of the Site

The following records were identified for the Site:

Borehole (BORE)

- Five (5) boreholes/auger holes have been drilled/augured on the Site. These boreholes were drilled/ augured in April of 2003.

Summary of Off-Site Records within 250 m of the Site

The following records were identified for properties within 250 m of the Site:

Borehole (BORE)

Twenty-three (23) boreholes have been drilled in the vicinity of the Site likely for geotechnical or hydrogeology purposes. Most of the boreholes are located along the Bank Street corridor.

Certificates of Approval

Two (2) records of certificates of approval for municipal and private sewage works were identified for the City of Ottawa and Findlay Creek shopping Centre for 4792 Bank Street/3173 Findlay Creek Drive (located on the west side of Bank Street, southwest of the Site).

Environmental Compliance Approval

One (1) record for an Environmental Compliance Approval was identified for 3173 Findlay Creek Drive for the City of Ottawa for the same Municipal and Private Sewage project discussed above.

Scott's Manufacturing Directory

Superior Roof Truss Inc., located at 4794 Bank Street (approximately 220 m west of the Site) is listed in the Scott's Manufacturing Directory as a plate work and fabricated structural product and structural wood product manufacturer established August 1, 1993.

Ontario Regulation 347 Waste Generators Summary

Superior Roof Truss Inc., as described above, is listed as generating waste oils and lubricants for the years 1994 to 2011 with generator number ON1911500.

TSSA Historic Incidents

One (1) record of a natural gas and/or carbon monoxide release occurred on February 23, 2007 at 108 Purple Finch Crescent (approximately 180 m northwest of the Site).

Water Well Information System (WWIS)

There are eight (8) water well listings in the vicinity of the Site for water supply purposes. These wells are generally located along the Bank Street corridor and are not located on the Site.

Summary

No issues of potential environmental concern were identified based on the review of the EcoLog ERIS report.

3.1.8 Ministry of the Environment (MOE)

The Ottawa District Office of the MOE was contacted to determine if the MOE has maintained a file with respect to the Site. Specifically, the MOE was asked to respond in writing to the following questions:

- Has the MOE ever issued any approvals, permits or licences for the Site?
- Has the MOE ever issued any control orders or violations notices with respect to the Site?

A response from the MOE was not received at the time of submitting this report. When a response is received, it will be reviewed and appended to this report with a discussion of the results.

3.1.9 The City of Ottawa (City)

Golder forwarded a request (refer to copy of correspondence in Appendix B) to the City of Ottawa (City), for the following information:

- Active orders under the EPA, the OWRA, and the PA;
- Approvals;
- Reports relating to environmental concerns;
- Records of non-compliance or regulatory concerns;
- Dumping infractions, spills or discharges to the environment;
- Violations of sewer use or environmental by-laws;
- Historic information related to landfill or dump sites on or in proximity to the Site; and,
- Any other environmental information.

A response from the City of Ottawa was not received at the time of submitting this report. When a response is received, it will be reviewed and appended to this report with a discussion of the results.

3.1.10 Ministry of Natural Resources (MNR)

An information request was sent to the Ministry of Natural Resources ("MNR") on November 13, 2013. Records requested included any information relating to areas of natural significance in the vicinity of the Site, as well as any other environmental concerns that may be related to the Site and surrounding area.

A response from the MNR was not received at the time of submitting this report. When a response is received, it will be reviewed and appended to this report with a discussion of the results.

3.1.11 Technical Standards and Safety Authority, Fuels Safety Program Records

The Technical Standards and Safety Authority ("TSSA") maintains records related to registered storage tanks and other petroleum-related infrastructure. The TSSA was contacted to establish the status of the Site and surrounding properties to identify outstanding instructions, incident reports, fuel spills or contamination records.

The TSSA responded via e-mail that there is no record in their database of any fuel storage tanks on the Site or addresses adjacent and/or upgradient of the Site.

3.2 Physical Setting Sources

3.2.1 Aerial Photographs

Selected aerial photographs for the Site were obtained from the National Air Photo Library ("NAPL") in Ottawa, Ontario. Satellite imagery for the years 2004 and 2013 were obtained from Google Earth. The review of the aerial photographs was conducted to develop a general history of the development of the Site and surrounding properties. Information obtained from the aerial photographs is summarized as follows:

Year Scale	Site	Surrounding Property Direction			
		North	East	South	West
1945 1:15,000	The Site is primarily occupied by agricultural land.	Agricultural land with a farmstead on the western end of the adjacent lands.	Forested land.	Agricultural land with a farmstead on the western end of the adjacent lands. A creek runs through the property adjacent to the south of the Site.	Bank Street, followed by agricultural land.
1956 1:15,000	As per 1945.	As per 1945 except several commercial buildings are constructed along the east side of Bank Street, approximately 200 m north of the Site.	As per 1945.	As per 1945.	As per 1945.
1965 1:15,000	As per 1956.	As per 1956.	As per 1956.	As per 1956.	As per 1956.
1975	As per 1965.	As per 1965 except the buildings at the	As per 1965.	As per 1965.	As per 1965.

Year Scale	Site	Surrounding Property Direction			
		North	East	South	West
1:15,000		farmstead to the north of the Site appear to be disturbed and partially torn down.			
1985 1:15,000	As per 1975.	The farmstead formerly to the north of the Site is absent and the land is disturbed. A residential building is constructed on the lands adjacent to the north of the Site.	As per 1975.	As per 1975.	As per 1975.
1996 1:15,000	As per 1985.	As per 1985.	As per 1985.	As per 1985.	A large commercial building is constructed on the lands west of Bank Street, approximately 215 m west of the Site.
2004 1:4,000	As per 1996.	As per 1996.	As per 1996.	As per 1996.	A residential development (Findlay Creek subdivision) is constructed on the lands northwest of the Site and development on the lands directly west of the Site has begun.
2013 1:4,000	The eastern 2/3 of the Site is disturbed and clearing activities have taken place. A roadway (trunk sewer alignment) running north – south is present at the eastern end of the Site.	The residential building located on the lands adjacent to the north of the Site is no long present. A roadway (trunk sewer alignment) running east - west is constructed adjacent to the north of the Site.	As per 2004.	A storm water management pond has been constructed adjacent to the south of the Site.	The large commercial building west of the Site is no longer present. A commercial/retail plaza is present on the west side of Bank Street followed by the Findlay Creek residential subdivision.

The review of aerial photographs indicates that the Site was first developed sometime between 2004 and 2013. The adjacent lands have generally remained undeveloped agricultural/forested lands until sometime between 1996 and 2004 when the Findlay Creek residential subdivision construction began. The aerial photographs review did not indicate any issues of potential environmental concern.

3.2.2 Topography, Hydrology and Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. A topographic map (Ontario Base Map) showing the Site area and the location of any water bodies is provided in Figure 3. Refer to Section 5.0 for additional information on Site features, as observed at the time of the Site visit.

Topic	Conditions	Comment / Source
Topography of Site and Surrounding Area	The topography of the Site is generally flat but drops down in elevation to the southeast generally towards the storm water management pond located adjacent to the south of the Site. The surrounding area generally rises in elevation to the north.	Site and surrounding area observations
Overburden Soils	The native soil layer underlying much of the Site is glacial till.	Map 1506A, *Surficial Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001 (Figure 5).
Type of Bedrock	March Formation (sandstone and dolomite interbedded).	Map 1508A. *Generalized Bedrock Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001.
Depth to Bedrock	1.9 to 6.7 mbgs	Previous subsurface investigations on adjacent properties.
Inferred Near Surface Groundwater Flow	Local shallow groundwater is anticipated to flow in a southeasterly direction towards the storm water management pond.	Site observations
Site Grade Relative to the Adjoining Properties	Fill materials have been imported and placed on approximately 2/3 of the eastern side of the Site. These areas have been built up to be slightly higher in elevation than the original and surrounding grade on adjoining properties. Fill materials are reportedly between 1 to 2 m thick in some areas.	Site observations/interview
Depth to Groundwater	0.1 to 3.6 mbgs	Previous subsurface investigations on adjacent properties;

3.2.3 Fill Materials

During the Site visit and interview, it was observed and reported that fill materials have been imported and placed on approximately 2/3 of the eastern portion of the Site. It is understood that the fill materials placed on the Site and used for infilling and grading originated from Lansdowne Park and road work projects along Bank Street. The fill material is reportedly up to 2 m thick in some areas.

It was reported that fill materials for the Site were imported from the following sources and approximate quantity:

- **Building Pads**
  - Lansdowne Park – 45,000 m^3;
  - Airport parking lot extension (near Bambu Restaurant) – 1,500 m^3; and,
  - Crushed concrete from Rideau Quarry – 1,000 m^3.
- **Proposed Roads**
  - Excavation from Bank Street at Rotary Way – 2,500 m^3.

Golder was involved in the soil management for the Site and has knowledge that the fill material placed on the Site was of appropriate quality for the intended use at the Site. Given that the testing and receiving of material has been environmentally managed, it is not considered an issue of potential environmental concern for the Site.

3.2.4 Water Bodies and Areas of Natural Significance

Topic	Conditions	Comment / Source
Nearest Open Water Body	A Provincially Significant Wetland ("PSW") is located 890 m west of the Site. The nearest open water body is the storm water management pond located adjacent to the south of the Site.	Site observations
Areas of Natural Significance ("ANSI")	None identified. No response from MNR	N/A

3.2.5 Well Records

Topic	Conditions	Comment / Source
Water Wells on Site (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)	No records of wells were identified for the Site in the EcoLog ERIS Report.	The Ecolog ERIS database report
Water Wells on the Neighbouring Properties (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use)	Records of 12 water wells (WWIS) in the Phase One Study Area (within 250 metres of the Site) were obtained. The soil profiles were varied and can be referenced in the Ecolog ERIS report in Appendix C.	The EcoLog ERIS database report

3.3 Site Operating Records

At the time of the Site visit, the Phase One Property was undeveloped and vacant. As such, no Site Operating Records would be available.

4.0 INTERVIEW

On November 18, 2013 at 8:30 a.m., Mr. Brandon McParlan of Golder conducted a visual walk-through Site visit and was accompanied by Ms. Mary Jarvis, Director of Planning & Land Development with Urbandale ("Site representative") and Justin Robitaille, Junior Planner during the Site visit. A photographic record of the Site visit is provided in Appendix E. The results of the Site visit are discussed below. Pursuant to the requirements of *O. Reg. 153/04*, the Site representative ("current owner at that time") was requested to fill out a questionnaire related to historical and current Site operations. The questionnaire was answered during the interview and Site visit on November 18, 2013 with the Site representative. Relevant information from the interview was used to supplement information contained in this report.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

As noted above, Golder conducted a Site visit on November 18, accompanied by the Site representative. The Site visits consisted of a walk-around the Site along with a cursory inspection of neighbouring properties from the Site and publicly accessible areas. The weather conditions were partially cloudy, windy with gusts up to 55 km/h and the temperature was 11ºC. Photographs of relevant features noted during the Site visits are attached in Appendix E.

5.2 Specific Observations at the Phase One Property

The specific observations made during the Site visit are presented herein.

5.2.1 Phase One Property Details

Topic	Observations	Comment / Source
Total Area of the Site	29 hectares (71.66 acres)	Site Plan (Appendix A)
Number and Age of Building on the Site	No buildings	Site observations and aerial photographs
Building Area	Not applicable	No building
Number of Floors (include all levels, whether above or below ground)	Not applicable	No building
Number, Age, and Depth of Levels Below Ground Level	Not applicable	No building
Number and Details of all Aboveground Storage Tanks ("ASTs")	No evidence of ASTs were observed on the Phase One Property	Site observations
Number and Details of all Underground Storage Tanks ("USTs")	No evidence of USTs were observed on the Phase One Property	Site observations
Potable and Non-Potable Water Sources	Not serviced	Site observations
Utility Lines Present (i.e. Electrical, Natural Gas, other)	Trunk sanitary and storm sewers running north to south along the far eastern side of the Site.	Site observations/interview
Entry and Exit Points for Site Building	Not applicable	No building
Existing and Former Heating System(s) (include fuel type / source)	Not applicable	No building

Topic	Observations	Comment / Source
Existing and Former Cooling System(s) (include fuel type / source)	Not applicable	No building
Drains, Pits, and Sumps (include current use, if any, and former use)	Not applicable	No building
Unidentified Substances	Not applicable	No building
Stains or Corrosion Located near a Potential Discharge Location	None identified	Site observations
Location of any Current and Former Wells	No current or former wells observed on the Site	Site observations
Sanitary/Process Wastewater Receptor	Not applicable	No building
Sanitary Sewer Connection	Not applicable	No building
Septic Systems	No septic system is known to be on the Site as there is no building	Site observations
Storm Water Flow	Infiltration into surface soil or runoff to low areas. Some culverts installed throughout infilled area	Site observations
Storm Sewer Connection	Not applicable	No building
Ground Cover (i.e. grass, gravel, soil, or pavement, etc.)	Approximately 2/3 of the Site was infilled with imported fill (soil). The remaining 1/3 of the west end of the Site was treed/ vegetated.	Site observations
Current or Former Railway Lines or Spurs	None observed or reported	Site observations and aerial photographs
Presence of Stained Soil, Vegetation, or Pavement	None observed	Site observations
Presence of Stressed Vegetation	None observed	Site observations
Presence of Fill and/or Debris Materials	2/3 of the eastern side of the Site was infilled with imported fill materials	Site observations/interview
Potentially Contaminating Activity	No potentially contaminating activities were observed during the Site visit	Site observations

5.2.2 Enhanced Investigation Property

The Site is not considered to be an enhanced investigation property as the Site has never been developed and is currently vacant.

5.3 Surrounding Land Use

Based on visual observations during the Site visit, adjacent property use is composed of residential, commercial and vacant/undeveloped land. No industrial complexes are present in the immediate vicinity of the Site.

A summary of adjacent land use is as follows:

North

- Vacant land with one temporary building;

East

- Vacant forested land;

South

- A storm water management pond is located adjacent to the southeast corner of the Site and a farm/agricultural field is located to the south of the rest of the Site; and,

West

- Bank Street, followed by a retail mall complex and residential units.

No obvious issues of potential environmental concern were identified based on the current adjacent land uses.

5.4 Written Description of Investigation

The Site is mainly forested and undeveloped consisting of a 29 hectare (71.66 acre) parcel of land. Access to the Site is via the sales centre located on the adjacent property to the north of the Site, located east of the intersection of Bank Street and Findlay Creek Drive. An access road runs east to west along the northern edge of the Site boundaries from the sales centre to approximately halfway through the Site where it meets with the cleared and infilled areas located in the eastern 2/3 of the Site. The infilled areas consisted of cleared, graded and bare soil approximating the layout of the proposed subdivision on the Site. The Site visit covered approximately 70% of the Phase One Property in the cleared areas. Some areas of the Site were inaccessible due to thick vegetation.

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses of the Site

The following generally summarizes the current and past uses of the Phase One Property:

Year(s)	Name of Owner(s)	Description of Property Use	Property Use	Other Observations from Aerial Photographs and other sources
Prior to 1945 and up to 2013	Kellam Family	Agricultural and forested land	Farming/fallow and forested land	None
2013	Urbandale Corporation	Proposed residential development	Clearing and infilling for building pads and roadways associated with the proposed residential development.	Approximately 2/3 of the Site has been cleared and infilled in the 2013 satellite imagery.

6.2 Potentially Contaminating Activity

Potentially contaminating activities (PCA), which if currently or historically carried out at a site, may contribute to an area of potential environmental concern (APEC). Based on the information obtained as part of this Phase One ESA, no PCA was identified.

6.3 Areas of Potential Environmental Concern

The following summarizes the findings of the Phase One ESA based on the available information.

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or Sediment)
Not Applicable	None	None	None	None	None

6.3.1 Conceptual Site Model

A Conceptual Site Model of the Phase One Study area is provided in Figures 1 to 6.

The native soil at the Site generally consists of a topsoil layer over glacial till consisting of sandy silt to silty sand. Based on Golder's geotechnical report, bedrock was reported at varying depths ranging from about 1 mbgs to 6 mbgs.

6.3.2 Uncertainty and Absence of Information

Chain of Title information was not ordered for the Kellam Lands as there has only ever been one residential building on the Site. In Golder's opinion the information provided in a Chain of Title would not contribute additional environmental information relevant to the Phase One ESA. Response from the City of Ottawa, the Ministry of Environment and the Ministry of Natural Resources to Golder's request for information had not been received at the time this report was written.

Given that the land is undeveloped, in Golder's opinion there were no material deviations to the Phase One ESA requirements set out in *O. Reg. 153/04* that would cause material uncertainty or would affect the validity of the findings of this assessment.

7.0 ISSUES OF POTENTIAL ENVIRONMENTAL CONCERN

Based on the information collected as part of this Phase One ESA, there were no issues of potential environmental concern related to soil and groundwater identified on the Site. However, the following is recommended in conjunction with developing the Site:

- Should groundwater wells be found during development of the Site, they should be decommissioned as per *Ontario Regulation (O. Reg.) 903.*

7.1 Need for a Phase Two ESA

No issues of potential environmental concern were identified on the Phase One Property. Accordingly, a Phase Two ESA is not recommended prior to applying for Site Plan Approval to the City of Ottawa.

8.0 REFERENCES

The following is a list of documents or data cited in this report:

Source	Date
Ontario Regulation 153/04 (as amended) for Phase One ESAs	April 15, 2011
Land Information Ontario ("LIO"), Ontario Ministry of Natural Resources	Not received
Soil Survey Complex (ON Soils), Ontario Ministry of Natural Resources	Not received
Area of Natural & Scientific Interest (ANSI), Ontario Ministry of Natural Resources	Not received
Aerial Photographs	1945, 1956, 1965, 1975, 1985 & 1996
Satellite Imagery	2004 & 2013
City Directories	1999/2000, 2004/2005 and 2010
EcoLog Environmental Risk Information Services Database Report	November 18, 2013
Ontario Ministry of the Environment – Ottawa office	Not received
City of Ottawa	Not received
Ministry of Natural Resources	Not received
Previous subsurface investigations on the Kellam Lands	October 2013
Map 1506A, *Surficial Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001.	2001
Map 1508A. *Generalized Bedrock Geology*, Ottawa, Ontario, Belanger J. R., Urban Geology of the National Capital Area, Geological Survey of Canada, Open file D3256, 2001.	2001

9.0 LIMITATIONS AND USE OF REPORT

This report was prepared for the exclusive use of Urbandale Corporation ("Urbandale"). This report is based on data and information collected during the Phase I Environmental Site Assessment of the Site conducted by Golder Associates Ltd. ("Golder"), and is based solely on Site conditions encountered at the time of the Site visit on November 18, 2013 supplemented by historical information and data obtained by Golder as described in this report.

In evaluating the property, Golder has relied in good faith on information provided by others. We accept no responsibility for any deficiency, misstatements or inaccuracies contained in this report as a result of omission, misrepresentation or fraudulent acts of the persons interviewed. Golder accepts no responsibility for any reduction in property value, either real or perceived, as a result of the reporting of factual information herein.

It should be noted that results of an investigation of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices. No sampling of soil, groundwater, air emissions or gas was conducted in association with this Phase I ESA.

10.0 STATEMENT OF COMPLETION

The undersigned confirm that this Phase One Environmental Site Assessment was conducted in a manner consistent with the expected standard of care for the consulting industry in Ontario and meets the requirements for Phase One ESAs as set out in *O. Reg. 153/04*.

11.0 CLOSURE

We trust that this report meets your immediate requirements. If you have any questions regarding the content of this report, please do not hesitate to contact this office.

GOLDER ASSOCIATES LTD.



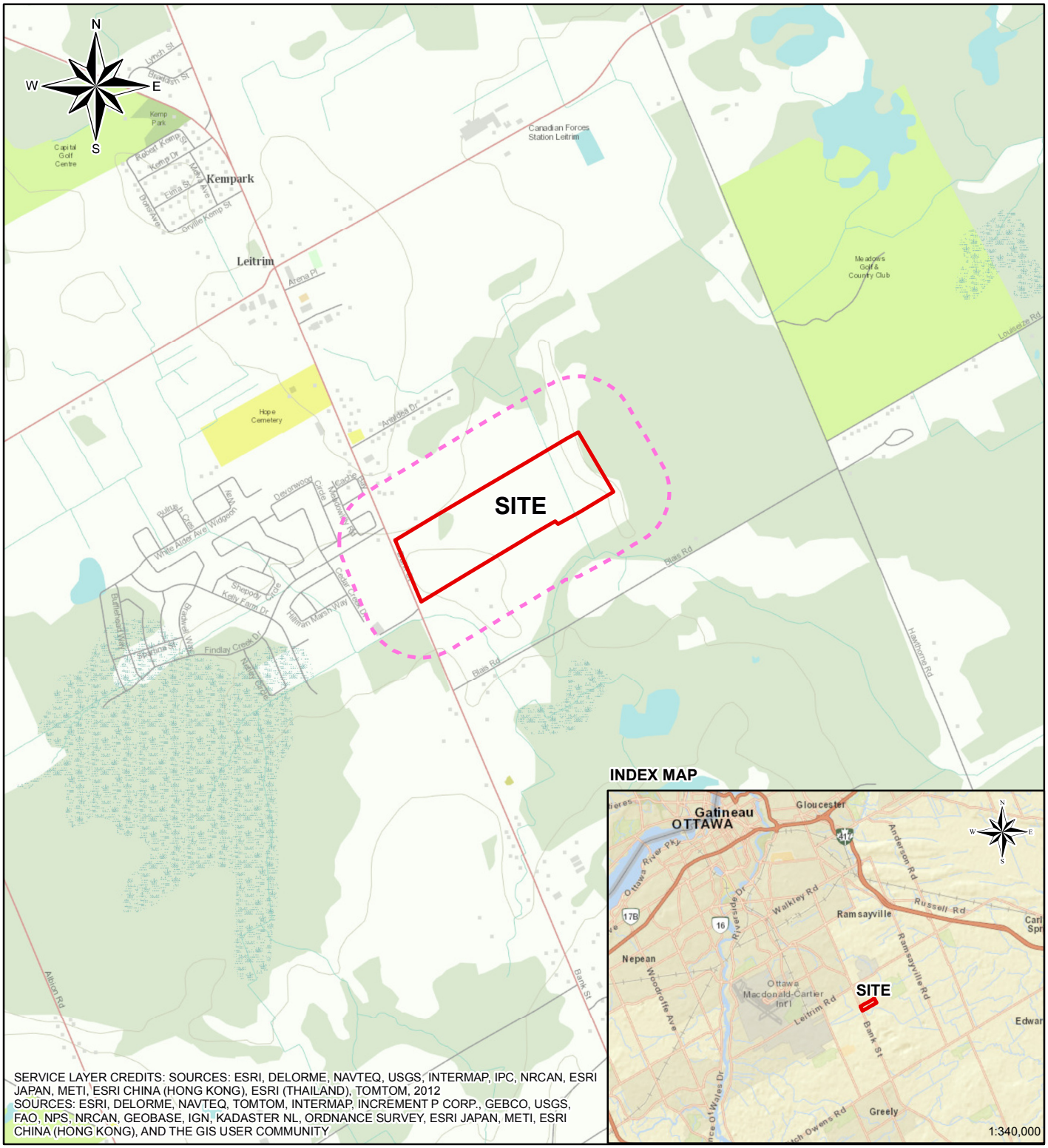
Brandon McParlan, B.Sc.
Environmental Consultant



Don Plenderleith, M.Sc., P.Eng., PMP
Principal

BCJM/DHP/hw
n:\active\2013\1122 - contaminated lands\13-1122-0223 urbandale kellam lands bank street ottawa\final rpt 13-1122-0223 o reg 153, dec2013.docx

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SERVICE LAYER CREDITS: SOURCES: ESRI, DELORME, NAVTEQ, USGS, INTERMAP, IPC, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI (THAILAND), TOMTOM, 2012
SOURCES: ESRI, DELORME, NAVTEQ, TOMTOM, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), AND THE GIS USER COMMUNITY

LEGEND

PHASE ONE ESA PROPERTY BOUNDARY

PHASE ONE ESA STUDY AREA

500 250 0 500

SCALE 1:25,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

KEY PLAN

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	FIGURE 1	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

N:\Active\2013\1122 - Contaminated Lands\13-1122-0223 Urbandale Kellam Lands Bank Street Ottawa\Spatial IM\GIS\MXD\Reporting\1311220223-1000-01.mxd



LEGEND

- MOE WELLS
- ROAD
- WATERCOURSE
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

BING MAPS AERIAL IMAGERY, MARCH 2012, (C) 2010 MICROSOFT CORPORATION AND ITS DATA SUPPLIERS. LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

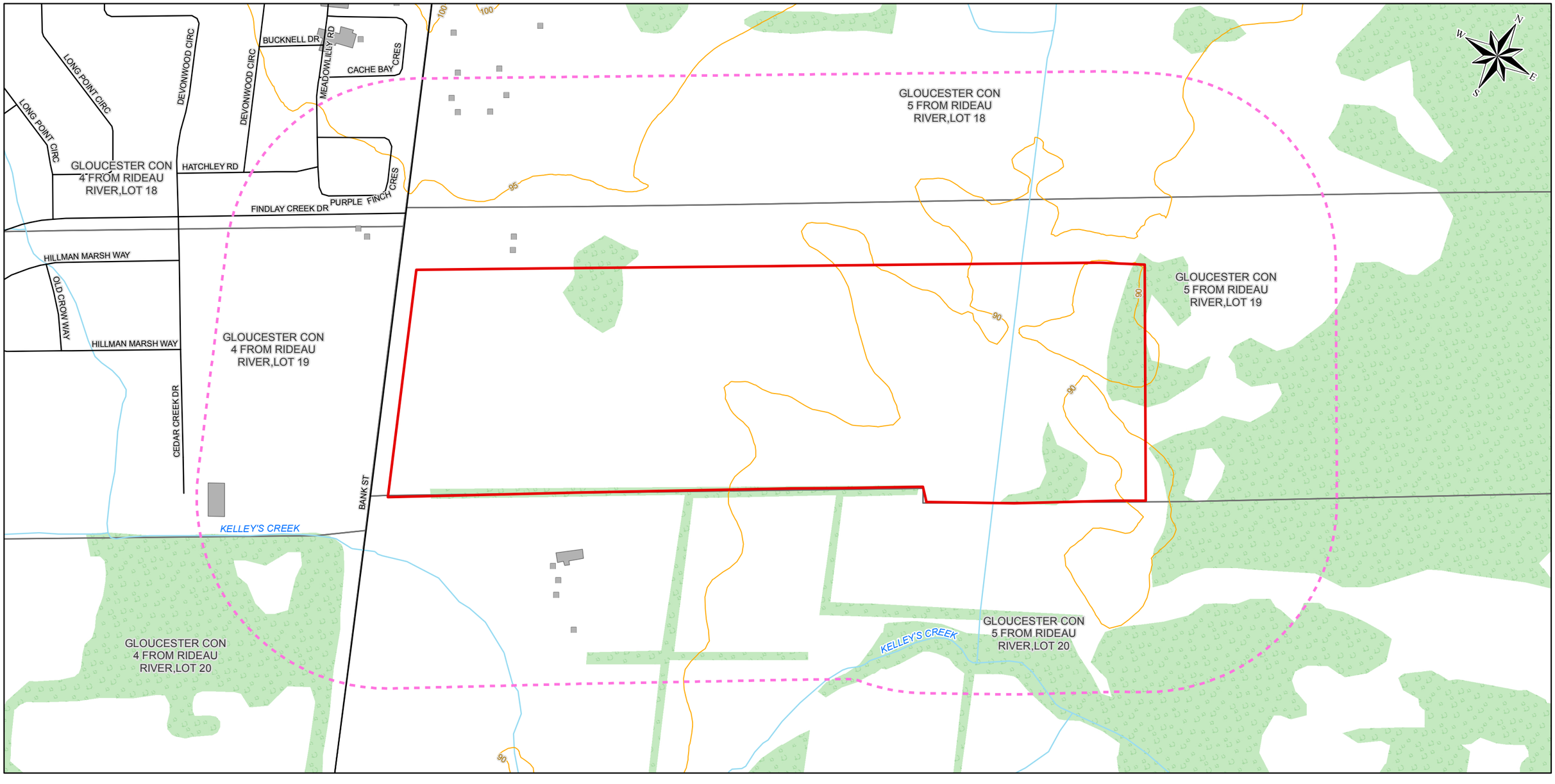
TITLE

PHASE ONE PROPERTY AND PHASE ONE STUDY AREA

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	FIGURE 2	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- BUILDING POINT
- ROAD
- TOPOGRAPHIC CONTOUR (m)
- WATERCOURSE
- BUILDING FOOTPRINT
- WOODED AREA
- TOWNSHIP/CONCESSION/LOT
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: MTM ZONE 9

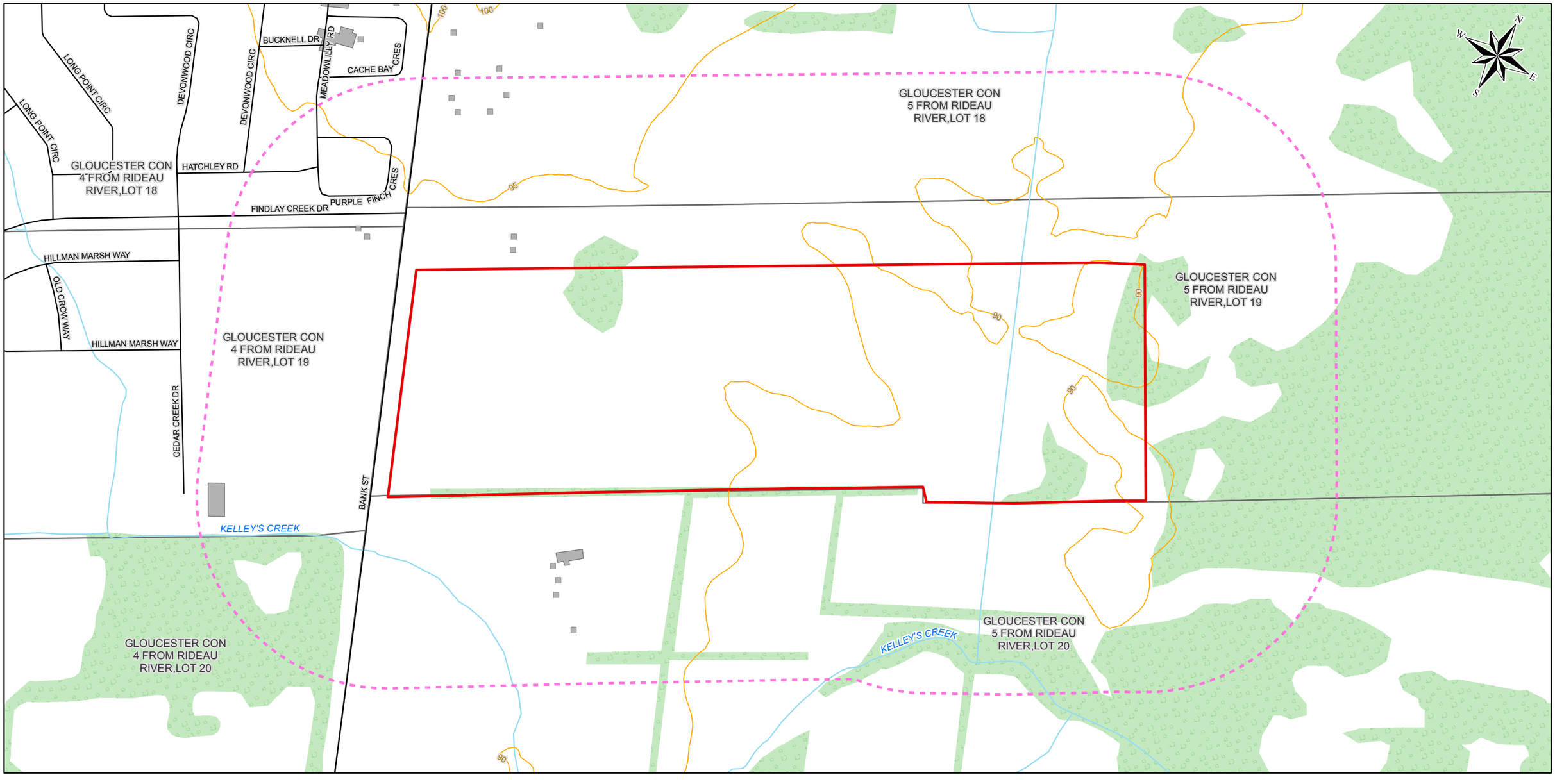
PROJECT
PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE
TOPOGRAPHIC MAP

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	FIGURE 3	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- BUILDING POINT
- ROAD
- TOPOGRAPHIC CONTOUR (m)
- WATERCOURSE
- BUILDING FOOTPRINT
- WOODED AREA
- TOWNSHIP/CONCESSION/LOT
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: MTM ZONE 9

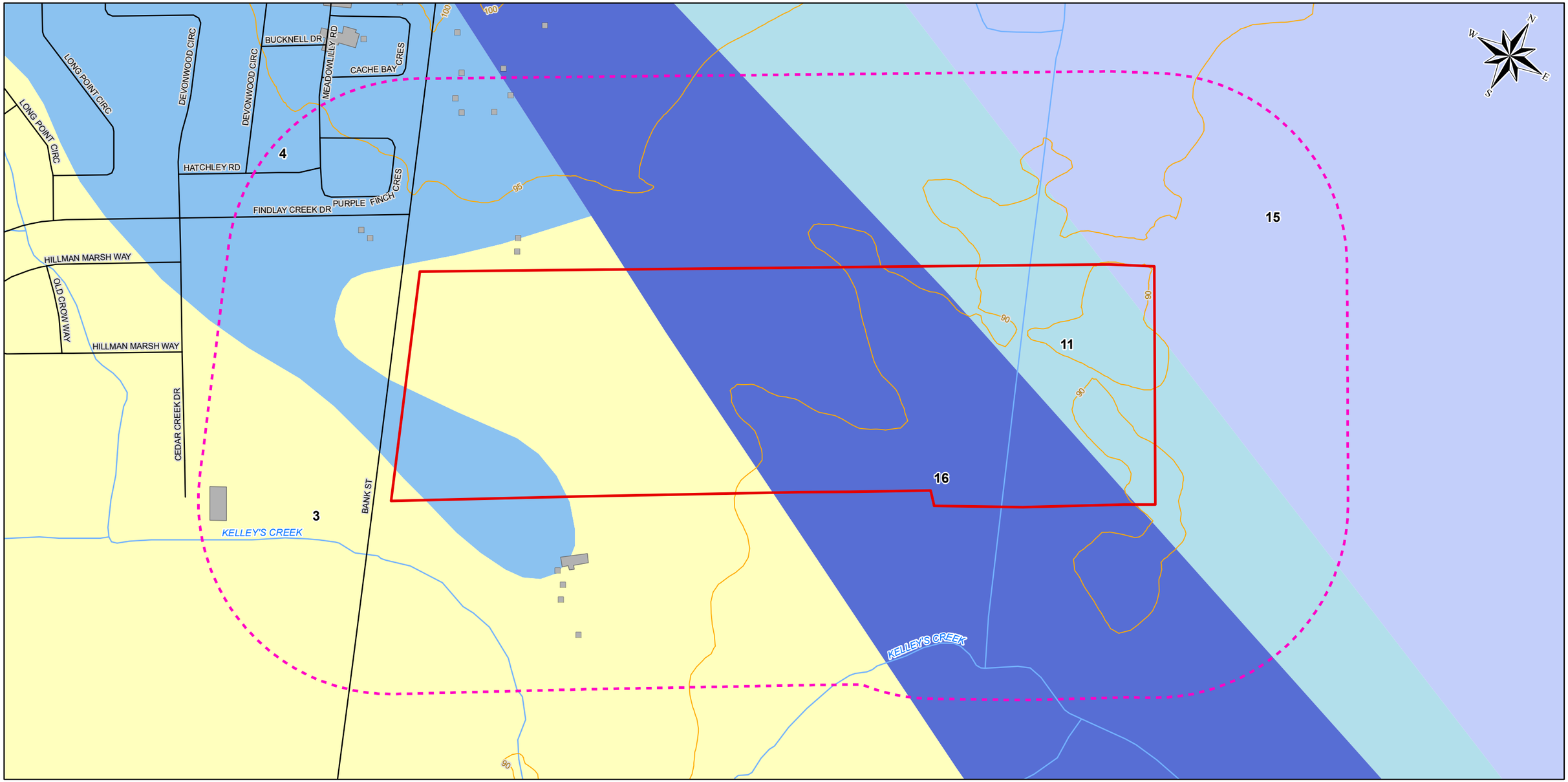
PROJECT
PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE
AREA OF NATURAL AND SCIENTIFIC INTEREST (ANSI)

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	FIGURE 4	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- BUILDING POINT
- ROAD
- TOPOGRAPHIC CONTOUR (m)
- WATERCOURSE
- BUILDING FOOTPRINT
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

BEDROCK GEOLOGY

- 16: QUEENSTON FORMATION - SHALE, SILTSTONE, MINOR LIMESTONE AND SANDSTONE
- 15: CARLSBAD FORMATION - SHALE AND LIMESTONE
- 11: LINDSAY FORMATION - LIMESTONE; NODULAR TO BLACK LAMINATED
- 4: MARCH FORMATION - SANDSTONE, DOLOMITIC SANDSTONE, DOLOSTONE
- 3: NEPEAN FORMATION - SANDSTONE, MINOR CONGLOMERATE

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

ARMSTRONG, D.K. AND DODGE, J.E.P. PALEOZOIC GEOLOGY MAP OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 219.
LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

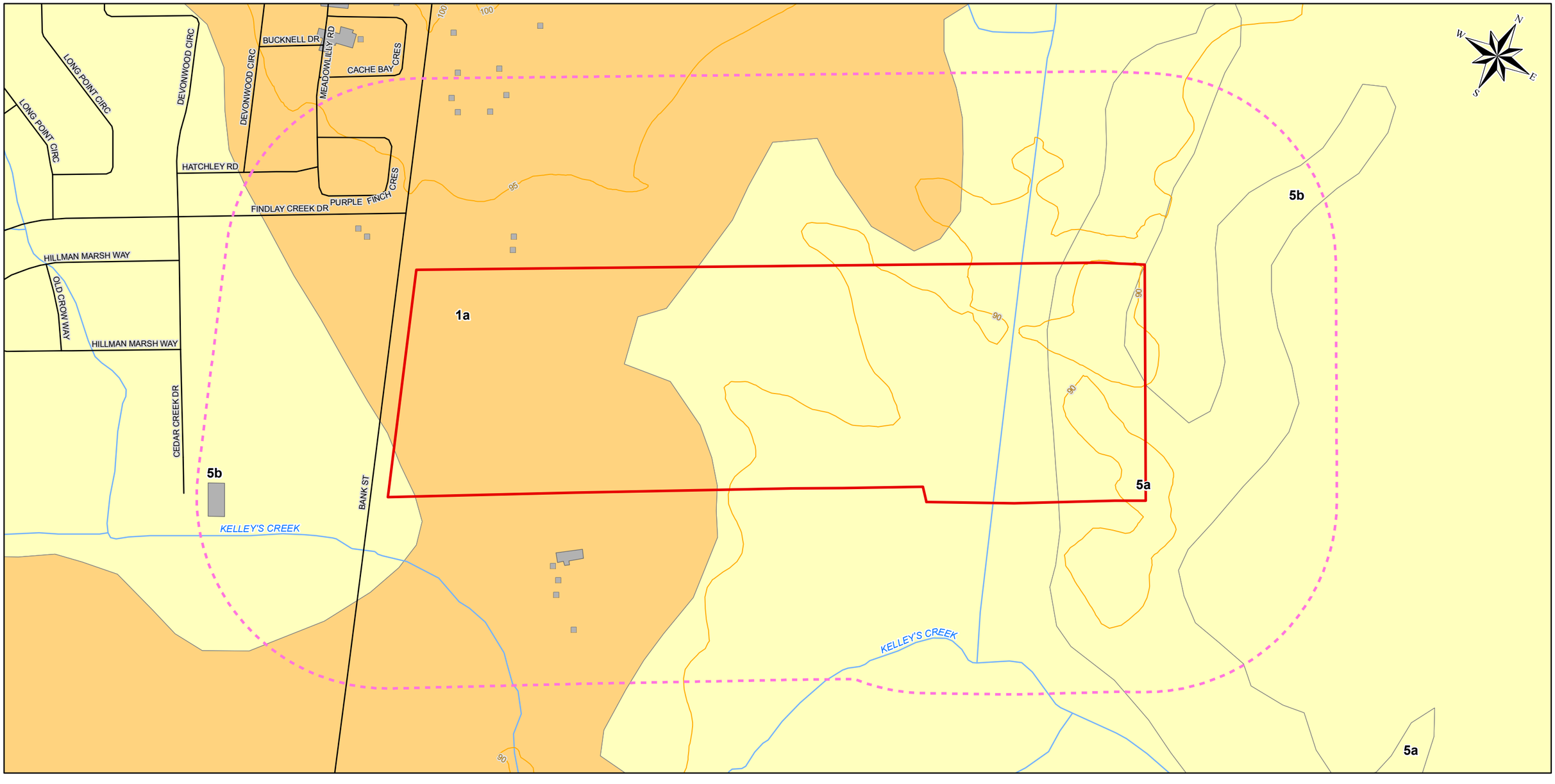
BEDROCK GEOLOGY

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11		
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

FIGURE 5

N:\Active\2013\1122 - Contaminated Lands\13-1122-0223 Urbandale Kellam Lands Bank Street Ottawa\Spatial IM\GIS\MXD\Reporting\1311220223-1000-05.mxd



LEGEND

- BUILDING POINT
- ROAD
- TOPOGRAPHIC CONTOUR (m)
- WATERCOURSE
- BUILDING FOOTPRINT
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

SURFICIAL GEOLOGY

- 5a NEARSHORE SEDIMENTS: GRAVEL, SAND & BOULDERS
- 5b NEARSHORE SEDIMENTS: FINE TO MEDIUM GRAINED SAND
- 1a TILL, PLAIN WITH LOCAL RELIEF <5M

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

BÉLANGER, J. R. 2008 URBAN GEOLOGY OF THE NATIONAL CAPITAL AREA, GEOLOGICAL SURVEY OF CANADA, OPEN FILE 5311, 1 DVD.
LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: MTM ZONE 9

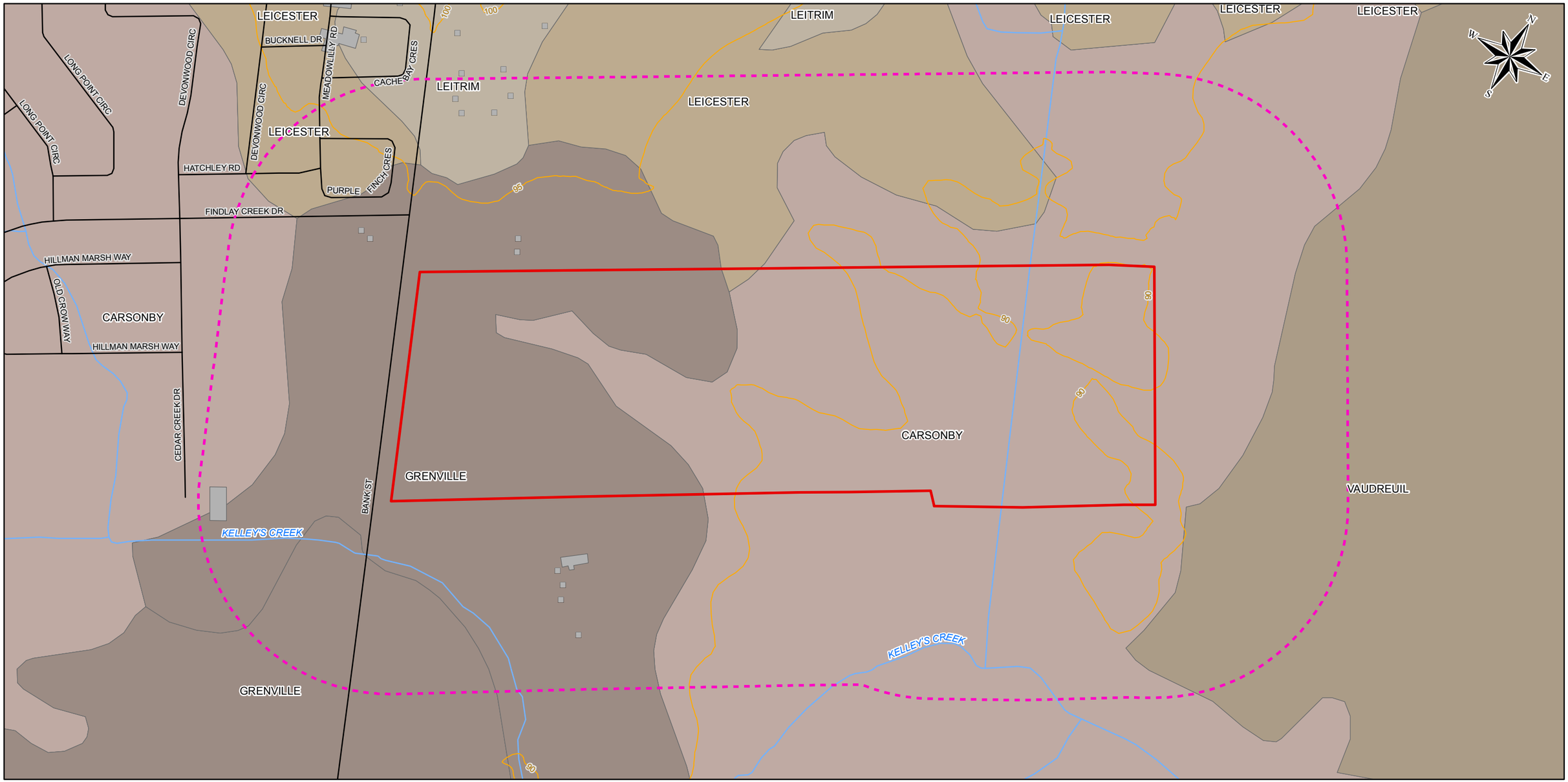
PROJECT
PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE
SURFICIAL GEOLOGY

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	FIGURE 6	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- BUILDING POINT
- ROAD
- TOPOGRAPHIC CONTOUR (m)
- WATERCOURSE
- BUILDING FOOTPRINT
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

SOIL NAME

- CARSONBY
- GRENVILLE
- LEICESTER
- LEITRIM
- VAUDREUIL

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

ONTARIO SOIL INFORMATION DATABASE (ONSID) - DETAILED SOIL SURVEY . CREATED BY THE ONTARIO LAND RESOURCE UNIT, OTTAWA, ONTARIO AND THE RESOURCE NFORMATION & BUSINESS SERVICES ENVIRONMENTAL MANAGEMENT BRANCH, ONTARIO MINISTRY OF AGRICULTURE FOOD AND RURAL AFFAIRS, GUELPH, ONTARIO.

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PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

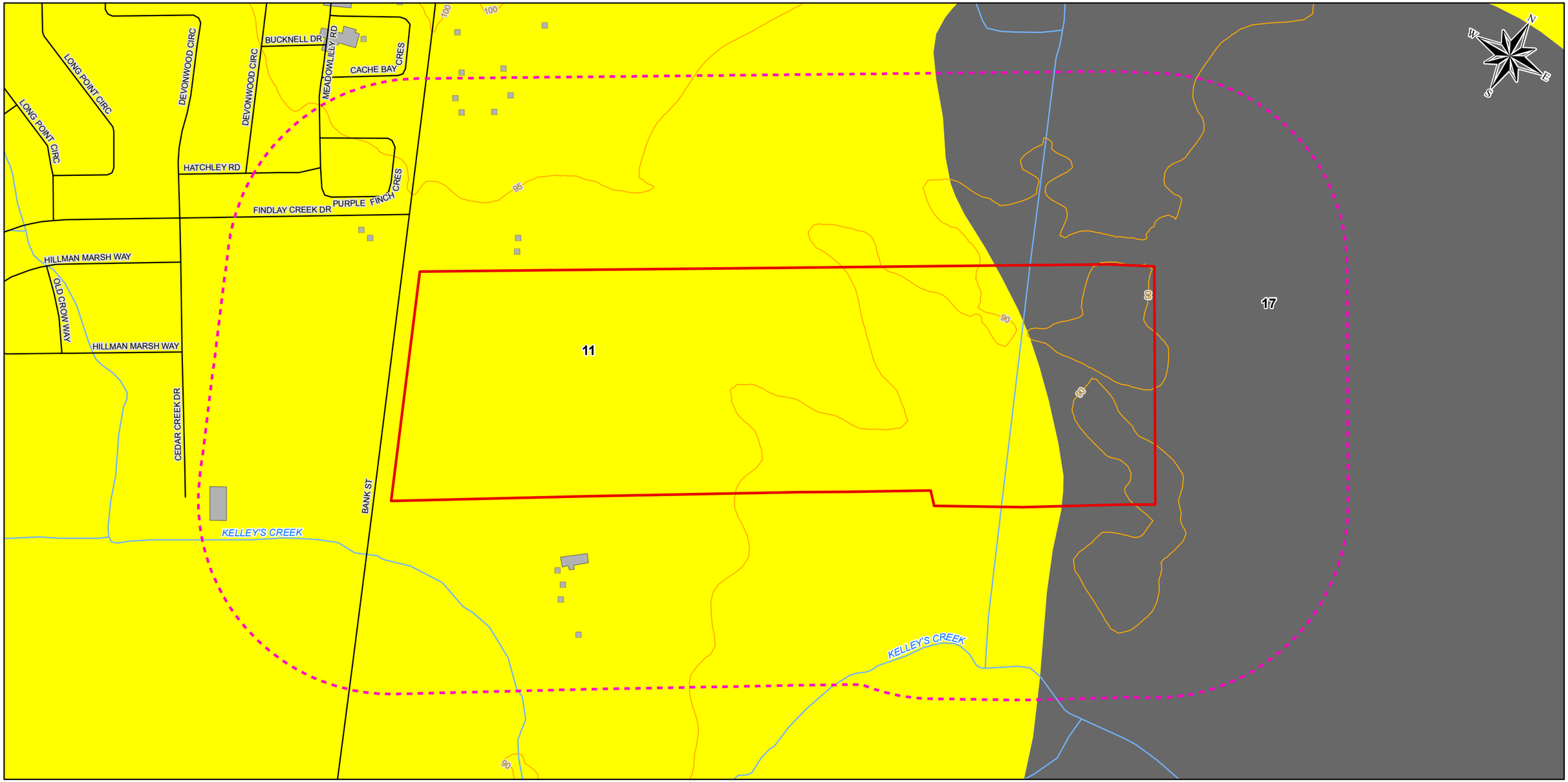
SOILS

Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11		
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

FIGURE 7

N:\Active\2013\1122 - Contaminated Lands\13-1122-0223 Urbandale Kellam Lands Bank Street Ottawa\Spatial IM\GIS\MXD\Reporting\1311220223-1000-07.mxd



LEGEND

- BUILDING POINT
- ROAD
- TOPOGRAPHIC CONTOUR (m)
- WATERCOURSE
- BUILDING FOOTPRINT
- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

PHYSIOGRAPHY

- 17: PEAT AND MUCK
- 11: SAND PLAINS

100 50 0 100

SCALE 1:5,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT NO. 13-1122-0223/1000.

REFERENCE

CHAPMAN, L.J. AND PUTNAM, D.F. 2007. PHYSIOGRAPHY OF SOUTHERN ONTARIO; ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS RELEASE--DATA 228 ISBN 978-1-4249-5158-1
LAND INFORMATION ONTARIO (LIO) DATA PRODUCED BY GOLDER ASSOCIATES LTD. UNDER LICENCE FROM ONTARIO MINISTRY OF NATURAL RESOURCES, © QUEENS PRINTER 2011.
PROJECTION: TRANSVERSE MERCATOR DATUM: NAD 83 COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

PHYSIOGRAPHY MAP

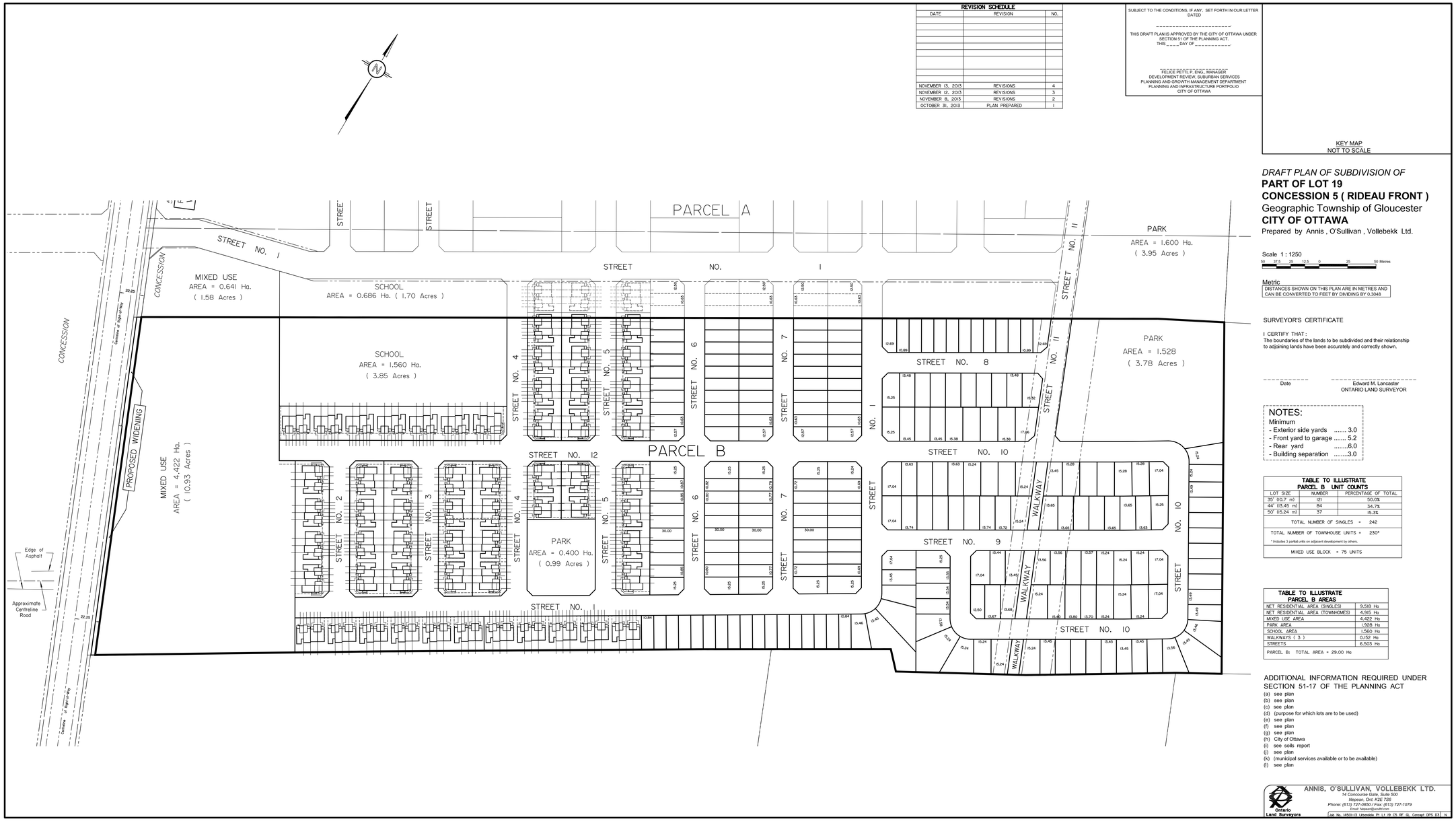
Golder Associates
Ottawa, Ontario

PROJECT No. 13-1122-0223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	FIGURE 8	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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APPENDIX A

Site Plan



REVISION SCHEDULE

DATE	REVISION	NO.
NOVEMBER 13, 2013	REVISIONS	4
NOVEMBER 12, 2013	REVISIONS	3
NOVEMBER 8, 2013	REVISIONS	2
OCTOBER 31, 2013	PLAN PREPARED	1

SUBJECT TO THE CONDITIONS, IF ANY, SET FORTH IN OUR LETTER DATED

_____.

THIS DRAFT PLAN IS APPROVED BY THE CITY OF OTTAWA UNDER SECTION 51 OF THE PLANNING ACT.
THIS ____ DAY OF _____.

_____
"FELICE PETTI, P. ENG., MANAGER"
DEVELOPMENT REVIEW, SUBURBAN SERVICES
PLANNING AND GROWTH MANAGEMENT DEPARTMENT
PLANNING AND INFRASTRUCTURE PORTFOLIO
CITY OF OTTAWA

KEY MAP
NOT TO SCALE

DRAFT PLAN OF SUBDIVISION OF

PART OF LOT 19
CONCESSION 5 (RIDEAU FRONT)

Geographic Township of Gloucester

CITY OF OTTAWA

Prepared by Annis , O'Sullivan , Vollebekk Ltd.

Scale 1 : 1250

50 37.5 25 12.5 0 25 50 Metres

Metric

DISTANCES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

SURVEYOR'S CERTIFICATE

I CERTIFY THAT :
The boundaries of the lands to be subdivided and their relationship to adjoining lands have been accurately and correctly shown.

_____ Date

_____ Edward M. Lancaster
ONTARIO LAND SURVEYOR

NOTES:
Minimum
- Exterior side yards 3.0
- Front yard to garage 5.2
- Rear yard 6.0
- Building separation 3.0

TABLE TO ILLUSTRATE PARCEL B UNIT COUNTS

LOT SIZE	NUMBER	PERCENTAGE OF TOTAL
35' (10.7 m)	121	50.0%
44' (13.45 m)	84	34.7%
50' (15.24 m)	37	15.3%
TOTAL NUMBER OF SINGLES =		242
TOTAL NUMBER OF TOWNHOUSE UNITS =		230*
* Includes 3 partial units on adjacent development by others.		
MIXED USE BLOCK = 75 UNITS		

TABLE TO ILLUSTRATE PARCEL B AREAS

NET RESIDENTIAL AREA (SINGLES)	9.518 Hs
NET RESIDENTIAL AREA (TOWNHOMES)	4.395 Hs
MIXED USE AREA	4.422 Hs
PARK AREA	1.928 Hs
SCHOOL AREA	1.560 Hs
WALKWAYS (3)	0.152 Hs
STREETS	6.503 Hs
PARCEL B: TOTAL AREA = 29.00 Hs	

ADDITIONAL INFORMATION REQUIRED UNDER SECTION 51-17 OF THE PLANNING ACT

(a) see plan
(b) see plan
(c) see plan
(d) (purpose for which lots are to be used)
(e) see plan
(f) see plan
(g) see plan
(h) City of Ottawa
(i) see soils report
(j) see plan
(k) (municipal services available or to be available)
(l) see plan

ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@mvllrd.com

Ontario Land Surveyors

Job No. 1450-13 Urbandale Ph 1-1 (9-C) 5 RF (5_ Concept DPS 03) N

APPENDIX B

Regulatory Requests and Responses

Weeks, Heather

From: Sullivan, Basil
Sent: 12 November 2013 08:51
To: McParlan, Brandon
Subject: FW: Bank Street Addresses in Ottawa

TSSA response for the Urbandale and Claridge Kellam Lands.

From: plal@tssa.org [mailto:plal@tssa.org] **On Behalf Of** Public Information Services
Sent: Tuesday, November 12, 2013 8:49 AM
To: Sullivan, Basil
Subject: Re: Bank Street Addresses in Ottawa

Hi Sully:

Thank you for your inquiry.

I have searched the below noted address (addresses) and I have located the following record.

4726 Bank Street, Ottawa has record of 5 active underground tanks; and

4727 Bank Street, Ottawa has record of 4 active underground tanks;

For a more detailed report including underground fuel storage tank details and copies of all inspection reports, please submit your request in writing to Public Information Services via e-mail (publicinformationservices@tssa.org) or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a cheque made payable to TSSA.

Thank you and have a great day!

Prem
Public Information Services

"Putting Public Safety First"

Technical Standards and Safety Authority
14th Floor, Centre Tower
3300 Bloor Street West
Toronto, ON M8X 2X4

Toll-Free: 1-877-682-8772
Email: publicinformationservices@tssa.org
Web Site: www.tssa.org

On Mon, Nov 11, 2013 at 11:24 AM, Sullivan, Basil <Basil_Sullivan@golder.com> wrote:

To whom it may concern;

Could you please check for registered underground storage tanks (USTs) and spills for the following addresses in Ottawa, Ontario:

Bank Street: 4726, 4727, 4743, 4747, 4755, 4771, 4775, 4789 and land south (no municipal address) of 4789 Bank Street.

Also 3130 Analdea Drive.

Please see the attached figure showing the extent of the two Sites that we will be conducting our Phase I ESAs on.

Regards, Sully

B. G. (Sully) Sullivan (CET) | Environmental Specialist | **Golder Associates Ltd.**
32 Steacie Drive, Kanata, Ontario, Canada K2K 2A9
T: +1 (613) 592 9600 | **D:** +1 613 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 613 880-4595 | **E:** bsullivan@golder.com | **www.golder.com**

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For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the HISTORICAL LAND USE INVENTORY ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Golder Associates Ltd. ***("the Requester") does so only under the following conditions and understanding:***

1. This is a free service offered by the City.

2. The information which is contained in the HLUI has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided "as is".

3. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information to be provided by the City to the Requester is provided on the assumption that no person shall rely on it without undertaking independent verification of it for any purpose whatsoever and all liability to any such person is denied.

4. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

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6. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

7. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

8. All information collected under this request and all records provided in response to this request are subject to the provisions of the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990,c. M56, as amended.

Signed: _____ Dated: Nov. 13, 2013

Per: Brandan McParlan
(Please print name)
Title: Environmental Consultant
Company: Golder Associates Ltd.

CONFIDENTIAL

File No.: 13-1121-0167
Deadline for Response: Nov. 30, 2013

Phase 1 – Environmental Site Assessment

Request for Information

(Informal Request)*

1. REQUESTER INFORMATION

a) Name of Requester: Brandon McParlan
b) Address of Requester: 32 Stacie Drive, Kanata, ON, K2K 2A9
c) Telephone Number: 613-592-9600
d) Site Address: Lot- Pt Lot 19 Concession: Concession 5 (Rideau Front)
Street: 4791 Bank Street City/Town: Ottawa
Postal Code:
e) Legal Plan Attached: Yes ( ) No (X) → See attached Figure (Site 2)
f) Site Owner: Urbandale Corporation
g) Adjacent Property Owners: Unknown

h) Date of Ownership: Unknown.
Previous Owner(s): Kellem

i) Type of Site: (X) vacant, ( ) residential, ( ) commercial,
( ) other (specify)
j) Requestors relationship to Site: Consultant
k) Date of Previous Request: N/A.
l) Date of Previous ESA: N/A
m) Information Requested: HLUI

2. CONFIDENTIALITY

a) Consent Required: (✓) Owner ( ) Tenant ( ) Purchaser ( ) Legal**
b) Consent Obtained: (✓) Owner ( ) Tenant ( ) Purchaser ( ) Legal**

*(If formal MFIPPA request, please forward to Corporate Access and Privacy Coordinator, Clerk's Department)

**(Consent letters must contain the information required, give authorization to requestor, and be dated and signed)

This form has been prepared by Golder Associates, for client use, with regard to submissions to the City of Ottawa ("City") for environmental related information on the property noted below. It will be used by Golder Associates, who have been retained to carry out a Phase I Environmental Site Assessment.

This form is to be completed by the property owner/agent and forwarded to Golder Associates Ltd. who will then append it with a request for information to the City. The intent of the form is to notify the City that Golder Associates Ltd. is authorised to access the requested environmental information.

Property Location Information:

Civic Address 4791 Bank Street

Legal Description Part of Lot 19
Concession 5 (Rideau Front)

Property Contact Information:

Owner Urbandale Corporation

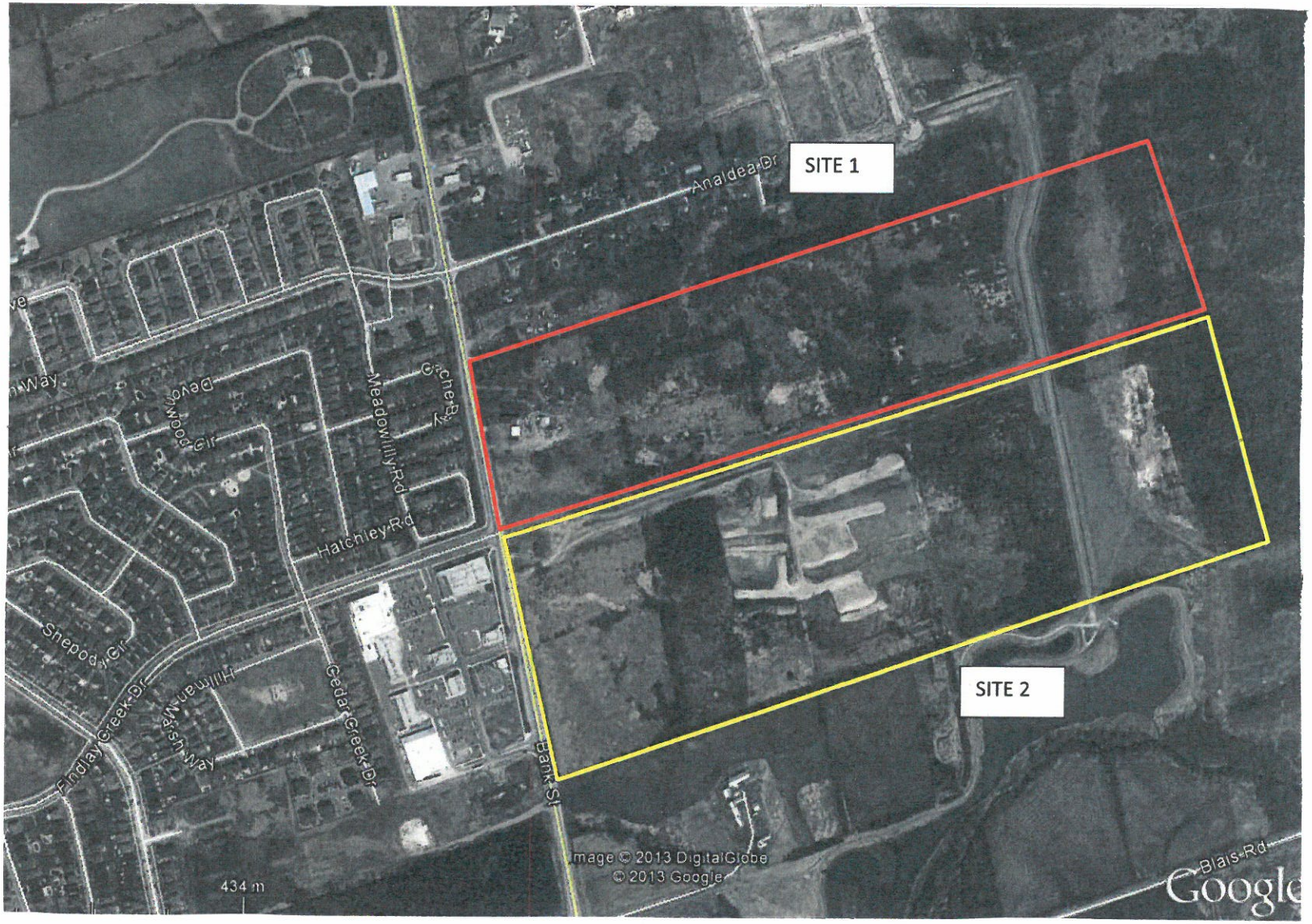
Phone Number 613-731-6331

Fax Number 613-731-9226

Owner Representative Mary Jarvis

Owner Representative Signature

Date Nov. 11, 2013


SITE 1
SITE 2
Analdea Dr
Meadowlily Rd
Hatchley Rd
Bank St
Blais Rd
Cedar Creek Dr
Findlay Creek Dr
Shepody Gr
Image © 2013 DigitalGlobe
© 2013 Google
434 m
Google

Weeks, Heather

From: Sullivan, Basil
Sent: 11 November 2013 11:36
To: johanne.veilleux@ontario.ca
Cc: McParlan, Brandon
Subject: Two Sites with multiple addresses on Bank Street in Ottawa
Attachments: P3-1121-0186 Site Location.pdf

Hi Johanne;

Could you please check for approvals and orders for the addresses shown below:

Bank Street: 4726, 4727, 4743, 4747, 4755, 4771, 4775, 4789 and land south (no municipal address) of 4789 Bank Street.

Also 3130 Analdea Drive.

Please see the attached figure showing the extent of the two Sites that we will be conducting our Phase I ESAs on.

Regards, Sully

B. G. (Sully) Sullivan (CET) | Environmental Specialist | **Golder Associates Ltd.**
32 Steacie Drive, Kanata, Ontario, Canada K2K 2A9
T: +1 (613) 592 9600 | **D:** +1 613 592 9600 | **F:** +1 (613) 592 9601 | **C:** +1 613 880-4595 | **E:** bsullivan@golder.com | **www.golder.com**

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Please consider the environment before printing this email.

13-1121-0167 Urbandale / Kellam Lands



Weeks, Heather

From: Weeks, Gwendolyn
Sent: 13 November 2013 13:59
To: Inforequest, Kemptville (MNR) (Kemptville.Inforequest@ontario.ca)
Subject: Information Request - Claridge/Urbandale Bank St.
Attachments: P3-1121-0186 Site Location.pdf; KV_InfoRequest_EN.pdf

Hello,
Please find attached our completed information request form for two properties (located beside each other) on Bank Street. We assume, given their proximity, that the species and natural features lists for both will be the same. If this is not the case, please advise me by email. Attached is a figure showing their locations. If you have any questions, please let me know.
Many thanks,
-Gwendolyn

Gwendolyn Weeks (H.B.Sc.(Env)) | Terrestrial Ecologist | **Golder Associates Ltd.**
32 Steacie Drive, Kanata, Ontario, Canada K2K 2A9
T: +1 (613) 592 9600 | **D:** +1 (613) 592 9600 x4234 | **F:** +1 (613) 592 9601 | **C:** +1 (613) 913 1179 | **E:** Gwendolyn_Weeks@golder.com | **www.golder.com**

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Ministry of Natural Resources

Ontario

Natural. Valued. Protected.

Email to MNR



Natural Areas and Features Information Request Form

Contact Information

Clear Contact

Name: Gwendolyn Weeks

Address: 32 Steacie Drive, Ottawa, ON

Phone Number: (613) 592-9600 ☐ Owner ☑ Consultant

E-mail Address: gwendolyn_weeks@golder.com

*All red fields are manditory

This includes X & Y Coordinates.

Please see page 2 for assistance.

Site Information

Clear Site

Project Name: Claridge and Urbandale - Bank Street

Township: _____ Lot: _____ Concession: _____

X: 45.3229 Y: -75.5877 Address: _____

**If more than 1 site, please provide all individual coordinates in an attached spreadsheet

Type of Proposal

Clear Details

☐ Severance / Zoning
☐ Drains / Roads / Culverts
☐ Hydroline clearing
☐ Small Scale Projects (less than 5 hectares)
☐ RE Projects
☑ Large Scale Projects (5 hectares or greater)
☐ Aggregate Project
☐ Other: _____

Attachments

***Please attach a Site Map showing the area of interest

☐ Picture ☑ Map(s) ☐ Engineered Drawings ☐ Other: _____

Request

I would like to request the following information for the property identified above:

-SAR data (a review of the NHIC indicates presence of one restricted species) within 1km, and advice for avoiding impacts to any SAR that may be present.
-Information on and mapping of significant natural areas (NHIC indicates none present) within

To better respond to your request please briefly outline the purpose for which this information is required (e.g. proposed development, lot severance, etc. or attach details):

The request is needed to comply with Ontario Regulation 153/04 (as amended) for a Phase I Environmental Site Assessment.

Date of works proposed: 1 / Jan / 2014

Personal information contained in this form is collected in order to fulfill your request, respond to your inquiries and for other administration purposes. With regard to the personal information it collects, the ministry is bound by privacy protection rules under the Freedom of Information and Protection of Privacy Act and takes all necessary steps to safeguard personal information collected.

Please Note: This request MUST be made by the property owner or by someone acting on their behalf.
Depending on the nature of the request, it may take 6-8 weeks to respond to your inquiry.
If the request does not include the manditory information, it may delay response time.

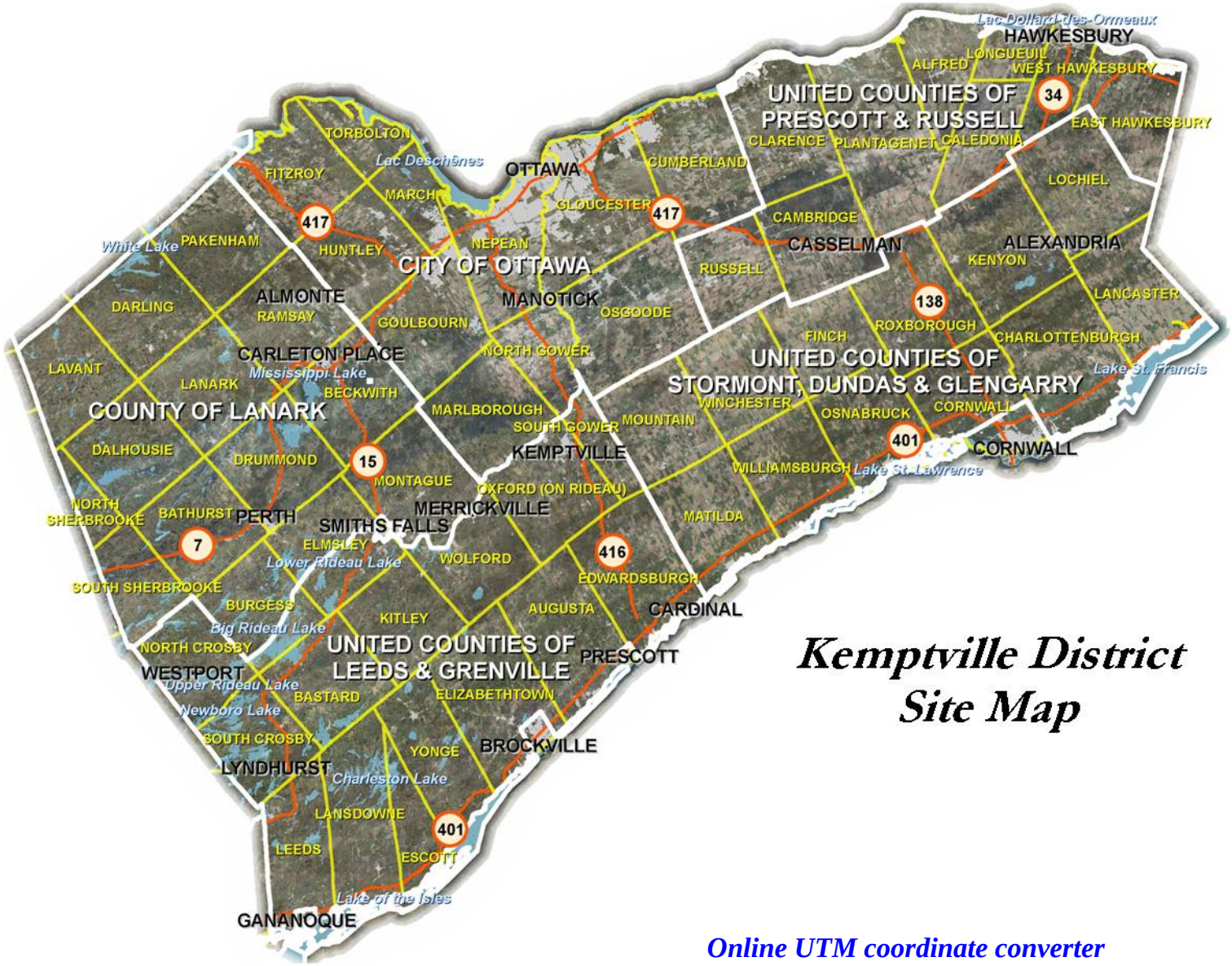
☑ *I have read the above and agree to all Terms and Conditions*

Please forward the completed form to:

Kemptville.Inforequest@Ontario.ca OR **Fax: 613-258-3920**

Attention: Information Requests
10 Campus Drive, Postal Bag 2002
Kemptville, ON K0G 1J0

MNR File Number: _____



Kemptville District Site Map

Online UTM coordinate converter

How to get X, Y coordinates from Google Maps (2 options):

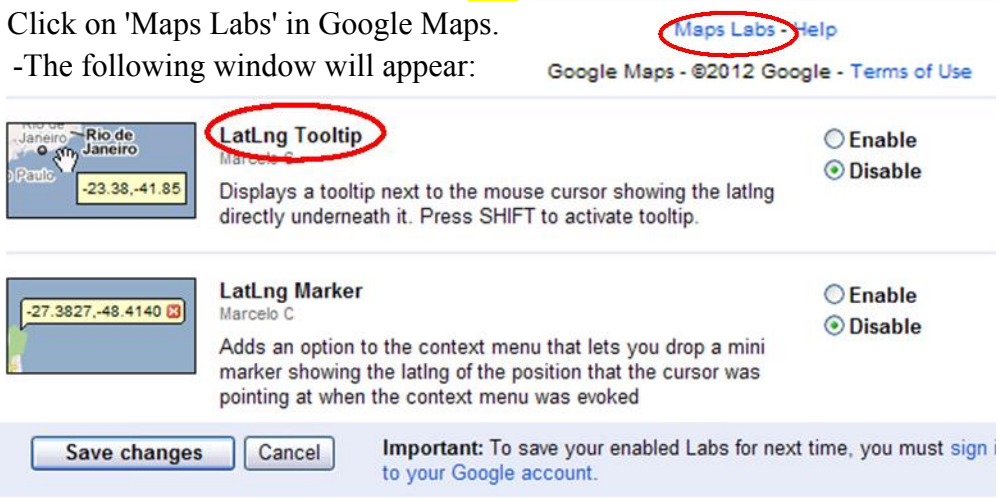
1.) Right-click on the map, at the point of interest, and select 'What's here?'.

-The Latitude & Longitude of the mouse click, in decimal degrees, will automatically appear in the Search box.

OR

2.) Click on 'Maps Labs' in Google Maps.

-The following window will appear:



-Enable the LatLng Tooltip and then Save Changes.

-Now every time the **SHIFT** button is pressed in Google Maps, a Tool tip will appear with the Latitude and Longitude of the mouse location in decimal degrees.

APPENDIX C

Ecolog ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICE

DATABASE REPORT

Project Property:	*Urbandale/Claridge* *Bank St Findlay Creek Dr* *Ottawa ON*
Report Type:	*Custom-Build Your Own Report*
Order #:	*20131107037*
Requested by:	*Golder Associates Ltd.*
Date:	*November 15, 2013*

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

www.erisinfo.com

Table of Contents

Table of Contents....1
Executive Summary....2
Executive Summary: Report Summary....3
Executive Summary: Site Report Summary – Project Property....5
Executive Summary: Site Report Summary – Surrounding Properties....6
Executive Summary: Summary By Database....9
Map....14
Aerial....15
Detail Report....16
Unplottable Summary....43
Unplottable Report....45
Appendix: Database Descriptions....53
Definitions....62

Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

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

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Executive Summary

Property Information:

Project Property:	*Urbandale/Claridge* *Bank St Findlay Creek Dr Ottawa ON*

Order Information:

Order No.:	*20131107037*
Date Requested:	*19/11/2013*
Requested by:	*Golder Associates Ltd.*
Report Type:	*Custom-Build Your Own Report*

Additional Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	9	24	33
CA	Certificates of Approval	Y	0	2	2
CFOT	Commercial Fuel Oil Tanks	Y	0	1	1
CHEM	Chemical Register	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	1	1
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIIS	Environmental Issues Inventory System	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
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	7	7
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	1	1
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	2	2
SPL	Ontario Spills	Y	0	1	1
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	1	11	12
	Total:		10	51	61

Executive Summary: Site Report Summary – Project Property

Map Key	*DB*	*Company/Site Name*	*Address*	*Page Number*
1	WWIS		ON	**16**
3	BORE		ON	**16**
4	BORE		ON	**17**
5	BORE		ON	**17**
6	BORE		ON	**18**
8	BORE		ON	**18**
9	BORE		ON	**18**
10	BORE		ON	**19**
11	BORE		ON	**19**
15	BORE		ON	**20**

Executive Summary: Site Report Summary – Surrounding Properties

Map Key	*DB*	*Company/Site Name*	*Address*	*Page Number*
2	BORE		ON	20
2	WWIS		ON	21
7	BORE		ON	22
12	BORE		ON	22
13	BORE		ON	23
14	BORE		ON	23
16	BORE		ON	24
17	BORE		ON	25
18	BORE		ON	25
19	BORE		ON	26
20	BORE		ON	26
21	BORE		ON	27
22	BORE		ON	27
23	BORE		ON	28
24	BORE		ON	28
25	WWIS		ON	29
26	BORE		ON	29
27	BORE		ON	29
28	BORE		ON	30
29	BORE		ON	31
30	BORE		ON	31
31	CA	Findlay Creek Shopping Centre Ltd.	4792 Bank St Concession 4, 1) 4R-7161 2) 4R-7076 Ottawa ON	32
32	WWIS		ON	32

Map Key	DB	Company/Site Name	Address	Page Number
33	BORE		ON	32
34	WWIS		ON	33
35	PES	D&M FRASER FAMILY SALES LTD O/A CANADIAN TIRE	4776 BANK ST OTTAWA ON K1T 3W7	33
36	BORE		ON	34
37	SCT	Leitrim Supply Ltd.	4747 Bank St Gloucester ON K1T 3W7	34
38	BORE		ON	34
39	BORE		ON	35
40	WWIS		ON	35
41	HINC		108 PURPLE FINCH CRESCENT OTTAWA ON K1T 4H1	36
42	WWIS		ON	36
43	CA	City of Ottawa	3173 Findlay Creek Dr Ottawa ON	37
43	ECA	City of Ottawa	3173 Findlay Creek Dr Ottawa ON	37
44	WWIS		ON	37
45	GEN	SUPERIOR ROOF TRUSS	4794 BANK STREET GLOUCESTER ON K1G 3N4	38
45	GEN	1019892 ONTARIO INC.	4794 BANK STREET GLOUCESTER ON K1G 3N4	38
45	GEN	Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	38
45	GEN	Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	38
45	GEN	SUPERIOR ROOF TRUSS/1019892 ONTARIO INC.	4794 BANK STREET GLOUCESTER ON K1G 3N4	39
45	GEN	Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	39
45	GEN	Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	39
45	SCT	Superior Roof Truss Inc.	4794 Bank St Gloucester ON K1T 3W7	39
46	SPL	Stinson WO & Sons Ltd.<UNOFFICIAL>	4726 Bank Street, Gloucester Ottawa ON	40
47	WWIS		ON	40
48	WWIS		ON	40
49	CFOT	W.O. Stinson & Son Ltd.	4727 Bank St. GLOUCESTER ON K1T 3W7	41
50	BORE		ON	41
51	WWIS		ON	42

Map Key	DB	Company/Site Name	Address	Page Number
52	WWIS		ON	42

Executive Summary: Summary By Database

BORE - Borehole

A search of the BORE database, dated 1875-Aug 2011 has found that there are 33 BORE site(s) within approximately meters of the project property.

Site	Address	Map Key
	ON	2
	ON	3
	ON	4
	ON	5
	ON	6
	ON	7
	ON	8
	ON	9
	ON	10
	ON	11
	ON	12
	ON	13
	ON	14
	ON	15
	ON	16
	ON	17
	ON	18
	ON	19
	ON	20

Site	Address	Map Key
	ON	21
	ON	22
	ON	23
	ON	24
	ON	26
	ON	27
	ON	28
	ON	29
	ON	30
	ON	33
	ON	36
	ON	38
	ON	39
	ON	50

CA - Certificates of Approval

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

Site	Address	Map Key
Findlay Creek Shopping Centre Ltd.	4792 Bank St Concession 4, 1) 4R-7161 2) 4R-7076 Ottawa ON	31
City of Ottawa	3173 Findlay Creek Dr Ottawa ON	43

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated 1948-Apr 2013 has found that there are 1 CFOT site(s) within approximately meters of the project property.

Site	Address	Map Key
W.O. Stinson & Son Ltd.	4727 Bank St. GLOUCESTER ON K1T 3W7	49

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 31, 2011-Jul 2013 has found that there are 1 ECA site(s) within approximately meters of the project property.

Site	Address	Map Key
City of Ottawa	3173 Findlay Creek Dr Ottawa ON	43

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 2012 has found that there are 7 GEN site(s) within approximately meters of the project property.

Site	Address	Map Key
Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	45
Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	45
Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	45
SUPERIOR ROOF TRUSS/1019892 ONTARIO INC.	4794 BANK STREET GLOUCESTER ON K1G 3N4	45
SUPERIOR ROOF TRUSS	4794 BANK STREET GLOUCESTER ON K1G 3N4	45
Superior Roof Truss Inc.	4794 BANK STREET GLOUCESTER ON K1T 3W7	45
1019892 ONTARIO INC.	4794 BANK STREET GLOUCESTER ON K1G 3N4	45

HINC - TSSA Historic Incidents

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

Site	Address	Map Key
	108 PURPLE FINCH CRESCENT OTTAWA ON K1T 4H1	41

PES - Pesticide Register

A search of the PES database, dated 1988-Jun 2013 has found that there are 1 PES site(s) within

approximately meters of the project property.

Site	Address	Map Key
D&M FRASER FAMILY SALES LTD O/A CANADIAN TIRE	4776 BANK ST OTTAWA ON K1T 3W7	35

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011 has found that there are 2 SCT site(s) within approximately meters of the project property.

Site	Address	Map Key
Leitrim Supply Ltd.	4747 Bank St Gloucester ON K1T 3W7	37
Superior Roof Truss Inc.	4794 Bank St Gloucester ON K1T 3W7	45

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2012 has found that there are 1 SPL site(s) within approximately meters of the project property.

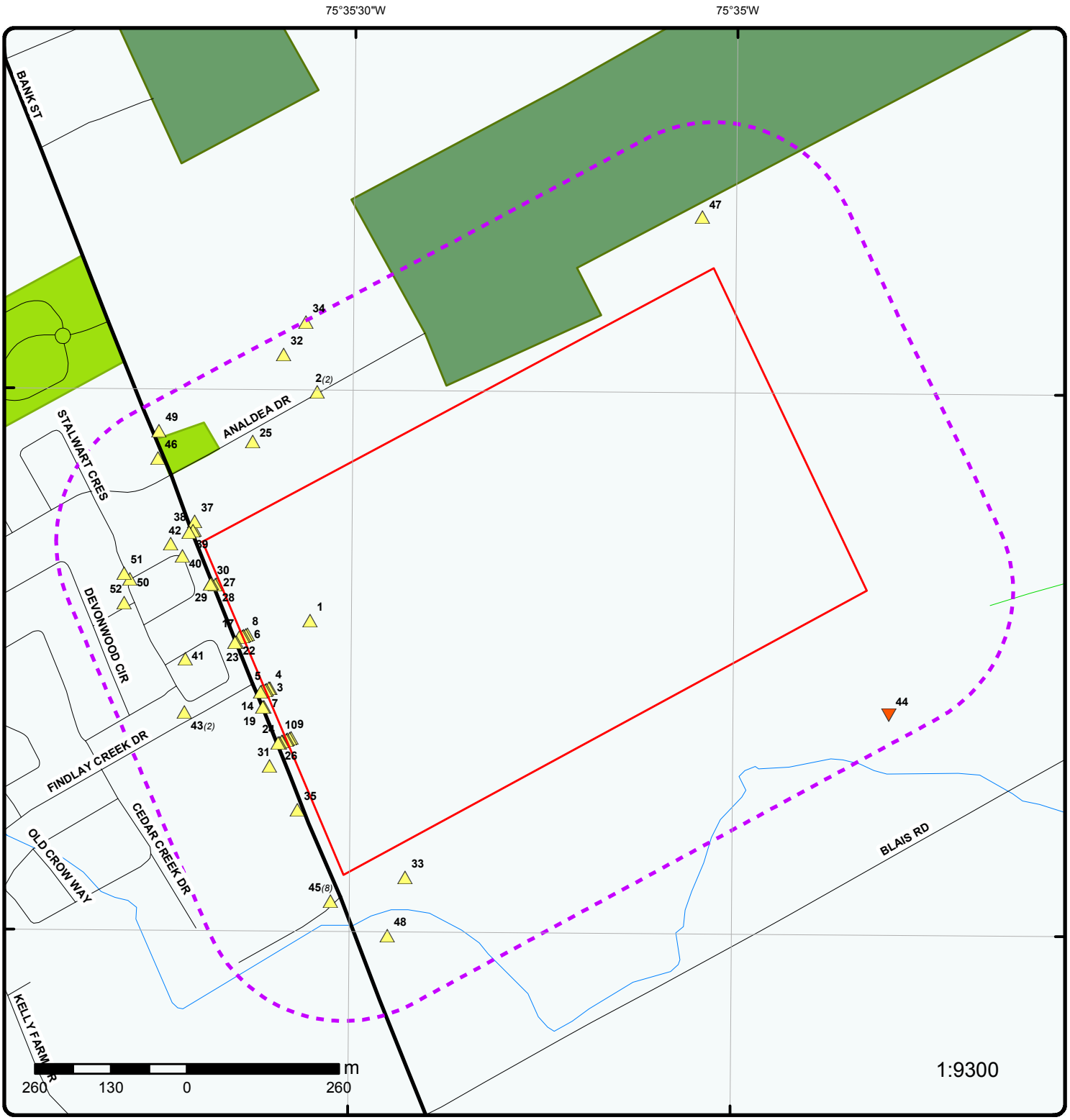
Site	Address	Map Key
Stinson WO & Sons Ltd.<UNOFFICIAL>	4726 Bank Street, Gloucester Ottawa ON	46

WWIS - Water Well Information System

A search of the WWIS database, dated 1955-May 2013 has found that there are 12 WWIS site(s) within approximately meters of the project property.

Site	Address	Map Key
	ON	1
	ON	2
	ON	25
	ON	32
	ON	34
	ON	40
	ON	42

Site	Address	Map Key
	ON	44
	ON	47
	ON	48
	ON	51
	ON	52



Map

Order No: 20131107037

Address: Bank St Findlay Creek Dr, Ottawa, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- 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: © 2012 DMTI Spatial Inc.



Aerial

Order No: 20131107037

Address: Bank St Findlay Creek Dr, Ottawa, ON

Source: ESRI World Imagery, Updated December 2012

© Ecolog ERIS Ltd

Detail Report

Map Key	Number of Records	Elevation m	Site	DB
1	1 of 1	95.0	ON	WWIS

Well Id:	1514809	Lot:	018
Concession:	05	Concession Name:	RF
County:	OTTAWA-CARLETON	Municipality:	GLOUCESTER
Easting Nad83:	453558.7	Northing Nad83:	5018831
Zone:	18	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	Construction Date:	18-JUL-75
Sec. Water Use:		Well Depth:	298 ft
Pump Rate:	6 GPM	Static Water Level:	25 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Precussion	Flowing (y/n):	N
Elevation (m):	95.66	Elevation Reliability:	
Depth to Bedrock:	12	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	OPEN HOLE,STEEL

--- Details ---

Thickness:	12 ft	Original Depth:	12 ft
Material Colour:	GREY	Material:	CLAY
+			
Thickness:	113 ft	Original Depth:	125 ft
Material Colour:	GREY	Material:	LIMESTONE, SANDSTONE
+			
Thickness:	115 ft	Original Depth:	240 ft
Material Colour:	GREY	Material:	LIMESTONE
+			
Thickness:	40 ft	Original Depth:	280 ft
Material Colour:	GREY	Material:	SANDSTONE
+			
Thickness:	18 ft	Original Depth:	298 ft
Material Colour:	WHITE	Material:	SANDSTONE

Map Key	Number of Records	Elevation m	Site	DB
3	1 of 1	95.0	ON	BORE

Borehole ID:	805892	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Hand auger	UTM Zone:	18
Easting:	453490.275	Northing:	5018715.766
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	93.699997
Total Depth m:	0.500000	Primary Name:	AH 03-24
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	2003-APR-15	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			

--- Details ---

Stratum ID:	218586746	Top Depth m:	0

Map Key	Number of Records	Elevation m	Site	DB

Bottom Depth m:	0.100000	*Stratum Desc:*	Topsoil
+			
Stratum ID:	218586747	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Grey-Brown Fill-Misc sand silt With: Gr W Org M

---

4 ***1 of 1*** ***95.0*** ***ON*** ***BORE***

Borehole ID:	805889	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453488.070	*Northing:*	5018714.808
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.699997
Total Depth m:	0.700000	*Primary Name:*	AH 03-23
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586738	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Grey Crushed Stone Trace: Constr Debris FILL
+			
Stratum ID:	218586739	*Top Depth m:*	0.100000
Bottom Depth m:	0.200000	*Stratum Desc:*	Dark Brown Fill-Misc Sand With: Org M
+			
Stratum ID:	218586740	*Top Depth m:*	0.200000
Bottom Depth m:	0.700000	*Stratum Desc:*	Grey-Brown Fill-Misc Sand With: Si W Gr Trace: Org M

---

5 ***1 of 1*** ***95.0*** ***ON*** ***BORE***

Borehole ID:	805861	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453484.066	*Northing:*	5018712.882
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.800003
Total Depth m:	1.200000	*Primary Name:*	AH 03-8
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586615	*Top Depth m:*	0
Bottom Depth m:	0	*Stratum Desc:*	Asphalt
+			
Stratum ID:	218586616	*Top Depth m:*	0
Bottom Depth m:	0.200000	*Stratum Desc:*	Grey Crushed Stone BASE
+			
Stratum ID:	218586617	*Top Depth m:*	0.200000
Bottom Depth m:	0.400000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel SUBBASE

Map Key	Number of Records	Elevation m	Site	DB

+

Stratum ID:	218586618	*Top Depth m:*	0.400000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Fill-Misc Sand With: Gr Trace: Si

+

Stratum ID:	218586619	*Top Depth m:*	0.500000
Bottom Depth m:	1.200000	*Stratum Desc:*	Brown Fill-Misc sand silt With: Gr Trace: Org M Occasional: Cob

---

6 ***1 of 1*** ***96.0*** ***ON*** ***BORE***

Borehole ID:	805907	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453451.427	*Northing:*	5018807.475
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	96.500000
Total Depth m:	0.400000	*Primary Name:*	AH 03-28
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586786	*Top Depth m:*	0
Bottom Depth m:	0.200000	*Stratum Desc:*	Topsoil

+

Stratum ID:	218586787	*Top Depth m:*	0.200000
Bottom Depth m:	0.400000	*Stratum Desc:*	Red-Brown Fill-Misc Sand With: Si W Gr

---

8 ***1 of 1*** ***96.0*** ***ON*** ***BORE***

Borehole ID:	805905	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453448.659	*Northing:*	5018806.527
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	96.400002
Total Depth m:	0.500000	*Primary Name:*	AH 03-27
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586782	*Top Depth m:*	0.100000
Bottom Depth m:	0.100000	*Stratum Desc:*	Topsoil

+

Stratum ID:	218586783	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Fill-Misc Sand With: Si W Gr Trace: Org M

+

Stratum ID:	218586781	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Grey Crushed Stone FILL

---

9 ***1 of 1*** ***94.0*** ***BORE***

Map Key	Number of Records	Elevation m	Site	DB

ON

Borehole ID:	805881	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453525.996	*Northing:*	5018630.615
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	92.900002
Total Depth m:	0.500000	*Primary Name:*	AH 03-20
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586704	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586705	*Top Depth m:*	0.100000
Bottom Depth m:	0.200000	*Stratum Desc:*	Grey-Brown Fill-Misc sand silt With: Gr Trace: Org M
+			
Stratum ID:	218586706	*Top Depth m:*	0.200000
Bottom Depth m:	0.300000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586707	*Top Depth m:*	0.300000
Bottom Depth m:	0.500000	*Stratum Desc:*	Grey-Brown sand silt

---

10 **1 of 1** **94.0** **BORE**

ON

Borehole ID:	805879	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453523.697	*Northing:*	5018629.658
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	92.900002
Total Depth m:	0.500000	*Primary Name:*	AH 03-19
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586695	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586696	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Dark Brown Fill-Misc Sand With: Gr Trace: Si

---

11 **1 of 1** **96.0** **BORE**

ON

Borehole ID:	805867	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453445.383	*Northing:*	5018805.088

Map Key	Number of Records	Elevation m	Site	DB

Location Accuracy: | *Orig. Ground Elev m:*
Elev. Reliability Note: | *DEM Ground Elev m:* 96.400002
Total Depth m: 1.500000 | *Primary Name:* AH 03-12
Township: | *Concession:*
Lot: | *Municipality:*
Completion Date: 2003-APR-12 | *Static Water Level:*
Primary Water Use: | *Sec. Water Use:*
Location Description:

--- Details ---

Stratum ID: 218586637 | *Top Depth m:* 0
Bottom Depth m: 0.100000 | *Stratum Desc:* Asphalt
+
Stratum ID: 218586638 | *Top Depth m:* 0.100000
Bottom Depth m: 0.200000 | *Stratum Desc:* Grey Crushed Stone BASE
+
Stratum ID: 218586639 | *Top Depth m:* 0.200000
Bottom Depth m: 0.700000 | *Stratum Desc:* Grey-Brown Fill-Misc sand silt With: Gr Trace: Org M
+
Stratum ID: 218586640 | *Top Depth m:* 0.700000
Bottom Depth m: 1.500000 | *Stratum Desc:* Grey-Brown Till Silt - Sand With: Gr

---

15 ***1 of 1*** ***93.9*** ***ON*** ***BORE***

Borehole ID: 805856 | *Type:* Borehole
Use: Geotechnical/Geological Investigation | *Status:*
Drill Method: Not known | *UTM Zone:* 18
Easting: 453519.703 | *Northing:* 5018628.233
Location Accuracy: | *Orig. Ground Elev m:*
Elev. Reliability Note: | *DEM Ground Elev m:* 93
Total Depth m: 1.500000 | *Primary Name:* AH 03-4
Township: | *Concession:*
Lot: | *Municipality:*
Completion Date: 2003-APR-12 | *Static Water Level:*
Primary Water Use: | *Sec. Water Use:*
Location Description:

--- Details ---

Stratum ID: 218586580 | *Top Depth m:* 0
Bottom Depth m: 0 | *Stratum Desc:* Surface Treatment CHIP SEAL
+
Stratum ID: 218586581 | *Top Depth m:* 0
Bottom Depth m: 0.300000 | *Stratum Desc:* Grey Crushed Stone BASE
+
Stratum ID: 218586582 | *Top Depth m:* 0.300000
Bottom Depth m: 0.800000 | *Stratum Desc:* Brown Sand Trace: Si Tr Gr SUBBASE
+
Stratum ID: 218586583 | *Top Depth m:* 0.800000
Bottom Depth m: 1.200000 | *Stratum Desc:* Grey-Brown Fill-Misc sand silt With: Gr Trace: Org M
+
Stratum ID: 218586584 | *Top Depth m:* 1.200000
Bottom Depth m: 1.500000 | *Stratum Desc:* Brown clay silt Trace: Org M

---

2 ***1 of 2*** ***100.0*** ***ON*** ***BORE***

Borehole ID: 614711 | *Type:* Borehole

Map Key	Number of Records	Elevation m	Site	DB

Use:		*Status:*	
Drill Method:		*UTM Zone:*	18
Easting:	453571.000	*Northing:*	5019222.000
Location Accuracy:		*Orig. Ground Elev m:*	99.400002
Elev. Reliability Note:		*DEM Ground Elev m:*	99.599998
Total Depth m:	94.500000	*Primary Name:*	
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	1963-AUG	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218399103	*Top Depth m:*	0
Bottom Depth m:	0.900000	*Stratum Desc:*	SAND.
+			
Stratum ID:	218399104	*Top Depth m:*	0.900000
Bottom Depth m:	2.100000	*Stratum Desc:*	CLAY. BLUE.
+			
Stratum ID:	218399105	*Top Depth m:*	2.100000
Bottom Depth m:	5.800000	*Stratum Desc:*	CLAY. BLUE.
+			
Stratum ID:	218399106	*Top Depth m:*	5.800000
Bottom Depth m:	90.199997	*Stratum Desc:*	SHALE. BLACK.
+			
Stratum ID:	218399107	*Top Depth m:*	90.199997
Bottom Depth m:	94.500000	*Stratum Desc:*	LIMESTONE. GREY. 0002500297ROCK. SEISMIC VELOCITY = 12000. . BEDROCK. GREY,SOUND,STRATIFI

2 **2 of 2** **100.0** **ON** **WWIS**

Well Id:	1502244	*Lot:*	018
Concession:	05	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453570.7	*Northing Nad83:*	5019222
Zone:	18	*Utm Reliability:*	margin of error : 100 m - 300 m
Primary Water Use:	Not Used	*Construction Date:*	13-AUG-63
Sec. Water Use:		*Well Depth:*	7 ft
Pump Rate:	8 GPM	*Static Water Level:*	20 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Test Hole
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	99.55	*Elevation Reliability:*	
Depth to Bedrock:	19	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	3 ft	*Original Depth:*	3 ft
Material Colour:		*Material:*	MEDIUM SAND, TOPSOIL
+			
Thickness:	4 ft	*Original Depth:*	7 ft
Material Colour:	BLUE	*Material:*	CLAY
+			

Map Key	Number of Records	Elevation m	Site	DB

Thickness:	12 ft	*Original Depth:*	19 ft
Material Colour:	BLUE	*Material:*	CLAY, STONES
+			
Thickness:	277 ft	*Original Depth:*	296 ft
Material Colour:	BLACK	*Material:*	SHALE
+			
Thickness:	14 ft	*Original Depth:*	310 ft
Material Colour:	GREY	*Material:*	LIMESTONE

7 ***1 of 1*** ***95.0*** ***ON*** ***BORE***

Borehole ID:	805859	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453481.923	*Northing:*	5018711.922
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.900002
Total Depth m:	1.500000	*Primary Name:*	AH 03-7
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586597	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Asphalt
+			
Stratum ID:	218586598	*Top Depth m:*	0.300000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel BASE
+			
Stratum ID:	218586599	*Top Depth m:*	0.500000
Bottom Depth m:	1	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel SUBBASE
+			
Stratum ID:	218586600	*Top Depth m:*	1
Bottom Depth m:	1.500000	*Stratum Desc:*	Brown sand silt With: Gr

12 ***1 of 1*** ***95.0*** ***ON*** ***BORE***

Borehole ID:	805858	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453476.701	*Northing:*	5018710.020
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	94
Total Depth m:	1.500000	*Primary Name:*	AH 03-6
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

Map Key	Number of Records	Elevation m	Site	DB

--- Details ---

Stratum ID:	218586591	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Asphalt
+			
Stratum ID:	218586592	*Top Depth m:*	0.300000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel BASE
+			
Stratum ID:	218586593	*Top Depth m:*	0.500000
Bottom Depth m:	0.800000	*Stratum Desc:*	Brown Sand With: Gr Trace: Si SUBBASE
+			
Stratum ID:	218586594	*Top Depth m:*	0.800000
Bottom Depth m:	1.200000	*Stratum Desc:*	Grey Fill-Misc Silt - Sand Trace: Gr Occasional: Cob
+			
Stratum ID:	218586595	*Top Depth m:*	1.200000
Bottom Depth m:	1.300000	*Stratum Desc:*	Black clay silt With: Org M
+			
Stratum ID:	218586596	*Top Depth m:*	1.300000
Bottom Depth m:	1.500000	*Stratum Desc:*	Brown sand silt With: Gr

13 **1 of 1** **96.0** **ON** **BORE**

Borehole ID:	805865	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453443.116	*Northing:*	5018804.130
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	96.400002
Total Depth m:	1.500000	*Primary Name:*	AH 03-11
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586632	*Top Depth m:*	0.900000
Bottom Depth m:	1.500000	*Stratum Desc:*	Grey-Brown Till sand silt With: Gr
+			
Stratum ID:	218586629	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Asphalt
+			
Stratum ID:	218586630	*Top Depth m:*	0.300000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel BASE
+			
Stratum ID:	218586631	*Top Depth m:*	0.500000
Bottom Depth m:	0.900000	*Stratum Desc:*	Brown Subbase Sand With: Gr

14 **1 of 1** **95.0** **ON** **BORE**

Map Key	Number of Records	Elevation m	Site	DB

Borehole ID:	805857	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453474.331	*Northing:*	5018708.564
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	94
Total Depth m:	1.500000	*Primary Name:*	AH 03-5
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586585	*Top Depth m:*	0
Bottom Depth m:	0	*Stratum Desc:*	Asphalt
+			
Stratum ID:	218586586	*Top Depth m:*	0
Bottom Depth m:	0.200000	*Stratum Desc:*	Grey Crushed Stone BASE
+			
Stratum ID:	218586587	*Top Depth m:*	0.200000
Bottom Depth m:	0.800000	*Stratum Desc:*	Grey Crushed Stone SUBBASE
+			
Stratum ID:	218586588	*Top Depth m:*	0.800000
Bottom Depth m:	1.100000	*Stratum Desc:*	Brown Fill-Misc Silt - Sand With: Gr Occasional: Cob
+			
Stratum ID:	218586589	*Top Depth m:*	1.100000
Bottom Depth m:	1.300000	*Stratum Desc:*	Black clay silt With: Org M
+			
Stratum ID:	218586590	*Top Depth m:*	1.300000
Bottom Depth m:	1.500000	*Stratum Desc:*	Grey-Brown clay silt

16 ***1 of 1*** ***93.9*** ***ON*** ***BORE***

Borehole ID:	805854	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453517.748	*Northing:*	5018627.269
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93
Total Depth m:	1.500000	*Primary Name:*	AH 03-3
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586563	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Asphalt
+			
Stratum ID:	218586564	*Top Depth m:*	0.300000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel

Map Key	Number of Records	Elevation m	Site	DB

BASE

+

Stratum ID:	218586565	*Top Depth m:*	0.500000
Bottom Depth m:	0.900000	*Stratum Desc:*	Brown Sand With: Gr Trace: Si SUBBASE

+

Stratum ID:	218586566	*Top Depth m:*	0.900000
Bottom Depth m:	1.100000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel FILL

+

Stratum ID:	218586567	*Top Depth m:*	1.100000
Bottom Depth m:	1.500000	*Stratum Desc:*	Brown sand silt

---

17 ***1 of 1*** ***96.0*** ***BORE***

ON

Borehole ID:	805864	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453437.800	*Northing:*	5018802.229
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	96.300003
Total Depth m:	1.500000	*Primary Name:*	AH 03-10
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586625	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Asphalt

+

Stratum ID:	218586626	*Top Depth m:*	0.300000
Bottom Depth m:	0.400000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel BASE

+

Stratum ID:	218586627	*Top Depth m:*	0.400000
Bottom Depth m:	0.900000	*Stratum Desc:*	Brown Sand With: Gr Trace: Si SUBBASE

+

Stratum ID:	218586628	*Top Depth m:*	0.900000
Bottom Depth m:	1.500000	*Stratum Desc:*	Brown Till sand silt With: Gr

---

18 ***1 of 1*** ***94.0*** ***BORE***

ON

Borehole ID:	805883	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453480.309	*Northing:*	5018683.957
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.900002
Total Depth m:	0.500000	*Primary Name:*	AH 03-21
Township:		*Concession:*	
Lot:		*Municipality:*	

Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586710	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586711	*Top Depth m:*	0.100000
Bottom Depth m:	0.100000	*Stratum Desc:*	Brown Fill-Misc Sand With: Gr
+			
Stratum ID:	218586712	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Grey-Brown Fill-Misc clay silt With: Gr

19 **1 of 1** **94.0** **ON** **BORE**

Borehole ID:	805885	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453478.010	*Northing:*	5018683.000
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.900002
Total Depth m:	0.400000	*Primary Name:*	AH 03-22
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586716	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586717	*Top Depth m:*	0.100000
Bottom Depth m:	0.400000	*Stratum Desc:*	Grey-Brown Fill-Misc sand silt With: Gr Trace: Org M

20 **1 of 1** **93.7** **ON** **BORE**

Borehole ID:	805852	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453512.266	*Northing:*	5018624.872
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.199997
Total Depth m:	1.500000	*Primary Name:*	AH 03-2
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586545	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Asphalt

Map Key	Number of Records	Elevation m	Site	DB

+

Stratum ID:	218586546	*Top Depth m:*	0.300000
Bottom Depth m:	0.400000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel BASE

+

Stratum ID:	218586547	*Top Depth m:*	0.400000
Bottom Depth m:	1.200000	*Stratum Desc:*	Brown Subbase Sand With: Gr Trace: Si

+

Stratum ID:	218586548	*Top Depth m:*	1.200000
Bottom Depth m:	1.400000	*Stratum Desc:*	Black clay silt With: Org M

+

Stratum ID:	218586549	*Top Depth m:*	1.400000
Bottom Depth m:	1.500000	*Stratum Desc:*	Grey clay silt

---

21 ***1 of 1*** ***93.7*** ***ON*** ***BORE***

Borehole ID:	805850	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Not known	*UTM Zone:*	18
Easting:	453510.218	*Northing:*	5018623.910
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.199997
Total Depth m:	1.500000	*Primary Name:*	AH 03-1
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586531	*Top Depth m:*	0
Bottom Depth m:	0	*Stratum Desc:*	Surface Treatment CHIP SEAL

+

Stratum ID:	218586532	*Top Depth m:*	0
Bottom Depth m:	0.300000	*Stratum Desc:*	Grey Crushed Stone

+

Stratum ID:	218586533	*Top Depth m:*	0.300000
Bottom Depth m:	0.400000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel SUBBASE

+

Stratum ID:	218586534	*Top Depth m:*	0.400000
Bottom Depth m:	1.200000	*Stratum Desc:*	Brown Fill-Misc Sand With: Gr Trace: Si

+

Stratum ID:	218586535	*Top Depth m:*	1.200000
Bottom Depth m:	1.500000	*Stratum Desc:*	Black clay silt With: Org M

---

22 ***1 of 1*** ***95.6*** ***ON*** ***BORE***

Borehole ID:	805895	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453432.622	*Northing:*	5018794.327

Map Key	Number of Records	Elevation m	Site	DB

Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	96
Total Depth m:	0.500000	*Primary Name:*	AH 03-25
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586748	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Topsoil
+			
Stratum ID:	218586749	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Grey-Brown Fill-Misc sand silt With: Gr

---

23 ***1 of 1*** ***95.5*** ***ON*** ***BORE***

Borehole ID:	805902	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453430.417	*Northing:*	5018793.368
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	95.900002
Total Depth m:	0.300000	*Primary Name:*	AH 03-26
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586777	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Topsoil
+			
Stratum ID:	218586778	*Top Depth m:*	0.100000
Bottom Depth m:	0.300000	*Stratum Desc:*	Brown Fill-Misc sand silt With: Gr Trace: Org M

---

24 ***1 of 1*** ***93.6*** ***ON*** ***BORE***

Borehole ID:	805876	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453506.379	*Northing:*	5018622.482
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.199997
Total Depth m:	0.500000	*Primary Name:*	AH 03-17
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586685	*Top Depth m:*	0

Map Key	Number of Records	Elevation m	Site	DB

Bottom Depth m:	0.100000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586686	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Grey-Brown Fill-Misc clay silt Trace: Gr Tr Org M

25 ***1 of 1*** ***100.0*** ***WWIS***

ON

Well Id:	1514548	*Lot:*	018
Concession:	05	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453460.7	*Northing Nad83:*	5019137
Zone:	18	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	14-NOV-74
Sec. Water Use:		*Well Depth:*	223 ft
Pump Rate:	2 GPM	*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	101.28	*Elevation Reliability:*	
Depth to Bedrock:	10	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	10 ft	*Original Depth:*	10 ft
Material Colour:		*Material:*	HARDPAN
+			
Thickness:	213 ft	*Original Depth:*	223 ft
Material Colour:		*Material:*	LIMESTONE

26 ***1 of 1*** ***93.6*** ***BORE***

ON

Borehole ID:	805878	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453504.080	*Northing:*	5018621.525
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	93.300003
Total Depth m:	0.500000	*Primary Name:*	AH 03-18
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586693	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Dark Brown Topsoil
+			
Stratum ID:	218586694	*Top Depth m:*	0.100000
Bottom Depth m:	0.500000	*Stratum Desc:*	Grey-Brown Fill-Misc clay silt Trace: Gr Tr Org M

27 ***1 of 1*** ***98.8*** ***BORE***

Map Key	Number of Records	Elevation m	Site	DB

ON

Borehole ID:	805871	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Not known	UTM Zone:	18
Easting:	453398.848	Northing:	5018893.440
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	98.599998
Total Depth m:	1.500000	Primary Name:	AH 03-14
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	2003-APR-12	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			

--- Details ---

Stratum ID:	218586660	Top Depth m:	0
Bottom Depth m:	0.300000	Stratum Desc:	Asphalt
+			
Stratum ID:	218586661	Top Depth m:	0.300000
Bottom Depth m:	0.400000	Stratum Desc:	Brown Crushed Stone Sand - Gravel BASE
+			
Stratum ID:	218586662	Top Depth m:	0.400000
Bottom Depth m:	0.800000	Stratum Desc:	Brown Subbase Sand With: Gr Trace: Si
+			
Stratum ID:	218586663	Top Depth m:	0.800000
Bottom Depth m:	1.500000	Stratum Desc:	Brown sand silt With: Gr

28 **1 of 1** **98.7** **BORE**

ON

Borehole ID:	805868	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Not known	UTM Zone:	18
Easting:	453396.956	Northing:	5018892.475
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	98.500000
Total Depth m:	1.500000	Primary Name:	AH 03-13
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	2003-APR-12	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			

--- Details ---

Stratum ID:	218586641	Top Depth m:	0
Bottom Depth m:	0	Stratum Desc:	Surface Treatment CHIP SEAL
+			
Stratum ID:	218586642	Top Depth m:	0
Bottom Depth m:	0.300000	Stratum Desc:	Grey Crushed Stone BASE
+			
Stratum ID:	218586643	Top Depth m:	0.300000
Bottom Depth m:	0.400000	Stratum Desc:	Brown Crushed Stone Sand - Gravel SUBBASE

Map Key	Number of Records	Elevation m	Site	DB

+

Stratum ID:	218586644	*Top Depth m:*	0.400000
Bottom Depth m:	1.200000	*Stratum Desc:*	Brown Fill-Misc Sand With: Gr Trace: Si

+

Stratum ID:	218586645	*Top Depth m:*	1.200000
Bottom Depth m:	1.500000	*Stratum Desc:*	Brown sand silt With: Gr

---

29 ***1 of 1*** ***98.9*** ***BORE***

ON

Borehole ID:	805909	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453390.474	*Northing:*	5018895.096
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	98.400002
Total Depth m:	0.500000	*Primary Name:*	AH 03-29
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586791	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Topsoil

+

Stratum ID:	218586792	*Top Depth m:*	0.100000
Bottom Depth m:	0.200000	*Stratum Desc:*	Brown Fill-Misc Sand Trace: Cl Tr Si

+

Stratum ID:	218586793	*Top Depth m:*	0.200000
Bottom Depth m:	0.500000	*Stratum Desc:*	Brown Fill-Misc sand silt With: Gr

---

30 ***1 of 1*** ***98.9*** ***BORE***

ON

Borehole ID:	805912	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453388.425	*Northing:*	5018894.134
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	98.300003
Total Depth m:	0.300000	*Primary Name:*	AH 03-30
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586796	*Top Depth m:*	0
Bottom Depth m:	0.100000	*Stratum Desc:*	Topsoil

+

Stratum ID:	218586797	*Top Depth m:*	0.100000
Bottom Depth m:	0.300000	*Stratum Desc:*	Brown Till sand silt With: Gr W Cob

Map Key	Number of Records	Elevation m	Site	DB
31	1 of 1	93.0	**Findlay Creek Shopping Centre Ltd.** **4792 Bank St Concession 4, 1) 4R-7161 2) 4R-7076** **Ottawa ON**	CA

Certificate #: 8107-8EJRSC
Application Year: 2011
Issue Date: 3/10/2011
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	Elevation m	Site	DB
32	1 of 1	100.0	**ON**	WWIS

Well Id: 7177033
Concession:
County: OTTAWA-CARLETON
Easting Nad83: 453514
Zone: 18
Primary Water Use: Not Used
Sec. Water Use:
Pump Rate:
Flow Rate:
Specific Capacity:
Construction Method: Digging
Elevation (m):
Depth to Bedrock:
Water Type:
Lot:
Concession Name:
Municipality: GLOUCESTER
Northing Nad83: 5019286
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 23-NOV-11
Well Depth:
Static Water Level:
Clear/Cloudy:
Final Well Status: Abandoned-Other
Flowing (y/n):
Elevation Reliability:
Overburden/Bedrock:
Casing Material:

--- Details ---

Thickness: ft
Material Colour:
Original Depth: ft
Material:

+

Thickness: ft
Material Colour:
Original Depth: ft
Material:

Map Key	Number of Records	Elevation m	Site	DB
33	1 of 1	91.0	**ON**	BORE

Borehole ID: 614700
Use:
Drill Method:
Easting: 453721.000
Location Accuracy:
Elev. Reliability Note:
Total Depth m: -999.000000
Township:
Lot:
Completion Date:
Primary Water Use:
Type: Borehole
Status:
UTM Zone: 18
Northing: 5018392.000
Orig. Ground Elev m: 91.400002
DEM Ground Elev m: 92.099998
Primary Name:
Concession:
Municipality:
Static Water Level:
Sec. Water Use:

Map Key	Number of Records	Elevation m	Site	DB

Location Description:

--- Details ---

Stratum ID:	218399079	*Top Depth m:*	0
Bottom Depth m:	1.200000	*Stratum Desc:*	CLAY.
+			
Stratum ID:	218399080	*Top Depth m:*	1.200000
Bottom Depth m:		*Stratum Desc:*	BEDROCK. GREY. GRAVEL. 00058IED. SEISMIC VELOCITY = 4900. BEDROCK. SEISMIC VELOCITY =

---

34 ***1 of 1*** ***100.0*** ***ON*** ***WWIS***

Well Id:	1513284	*Lot:*	017
Concession:	05	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453551.7	*Northing Nad83:*	5019342
Zone:	18	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	01-JUN-73
Sec. Water Use:		*Well Depth:*	500 ft
Pump Rate:	4 GPM	*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Rotary (Air)	*Flowing (y/n):*	N
Elevation (m):	100.11	*Elevation Reliability:*	
Depth to Bedrock:	14	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	3 ft	*Original Depth:*	3 ft
Material Colour:	BLACK	*Material:*	TOPSOIL, GRAVEL
+			
Thickness:	7 ft	*Original Depth:*	10 ft
Material Colour:	BROWN	*Material:*	GRAVEL, STONES
+			
Thickness:	4 ft	*Original Depth:*	14 ft
Material Colour:	GREY	*Material:*	HARDPAN, BOULDERS
+			
Thickness:	4 ft	*Original Depth:*	18 ft
Material Colour:	BLACK	*Material:*	LIMESTONE
+			
Thickness:	132 ft	*Original Depth:*	150 ft
Material Colour:	GREY	*Material:*	LIMESTONE
+			
Thickness:	350 ft	*Original Depth:*	500 ft
Material Colour:	GREY	*Material:*	LIMESTONE

---

35 ***1 of 1*** ***92.0*** ***D&M FRASER FAMILY SALES LTD O/A CANADIAN TIRE***
4776 BANK ST
OTTAWA ON K1T 3W7 ***PES***

Licence No.: 23-01-16435-0
Licence Type: LIMITED

Map Key	Number of Records	Elevation m	Site	DB

36 **1 of 1** **100.0** **ON** **BORE**

Borehole ID:	805874	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Not known	UTM Zone:	18
Easting:	453360.571	Northing:	5018985.638
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	100.800003
Total Depth m:	1.500000	Primary Name:	AH 03-16
Township:		Concession:	
Lot:		Municipality:	
Completion Date:	2003-APR-12	Static Water Level:	
Primary Water Use:		Sec. Water Use:	
Location Description:			

--- Details ---

Stratum ID:	218586676	Top Depth m:	0
Bottom Depth m:	0.200000	Stratum Desc:	Asphalt
+			
Stratum ID:	218586677	Top Depth m:	0.200000
Bottom Depth m:	0.600000	Stratum Desc:	Brown Crushed Stone Sand - Gravel BASE
+			
Stratum ID:	218586678	Top Depth m:	0.600000
Bottom Depth m:	1.200000	Stratum Desc:	Brown Sand With: Gr Trace: Si SUBBASE
+			
Stratum ID:	218586679	Top Depth m:	1.200000
Bottom Depth m:	1.500000	Stratum Desc:	Brown sand silt Trace: Gr

37 **1 of 1** **100.0** **Leitrim Supply Ltd.**
4747 Bank St
Gloucester ON K1T 3W7 **SCT**

Established:	01-AUG-85
Plant Size (ft²):	
Employment:	

--- Details ---

SIC/NAICS Code:	336212
Description:	Truck Trailer Manufacturing
+	
SIC/NAICS Code:	336212
Description:	Truck Trailer Manufacturing

38 **1 of 1** **100.0** **ON** **BORE**

Borehole ID:	805872	Type:	Borehole
Use:	Geotechnical/Geological Investigation	Status:	
Drill Method:	Not known	UTM Zone:	18
Easting:	453358.398	Northing:	5018984.679
Location Accuracy:		Orig. Ground Elev m:	
Elev. Reliability Note:		DEM Ground Elev m:	100.800003
Total Depth m:	1.500000	Primary Name:	AH 03-15

Map Key	Number of Records	Elevation m	Site	DB

Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-12	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586664	*Top Depth m:*	0
Bottom Depth m:	0	*Stratum Desc:*	Surface Treatment CHIP SEAL
+			
Stratum ID:	218586665	*Top Depth m:*	0
Bottom Depth m:	0.200000	*Stratum Desc:*	Grey Crushed Stone BASE
+			
Stratum ID:	218586666	*Top Depth m:*	0.200000
Bottom Depth m:	0.400000	*Stratum Desc:*	Brown Crushed Stone Sand - Gravel SUBBASE
+			
Stratum ID:	218586667	*Top Depth m:*	0.400000
Bottom Depth m:	1.100000	*Stratum Desc:*	Brown Fill-Misc Sand Trace: Si Tr Gr
+			
Stratum ID:	218586668	*Top Depth m:*	1.100000
Bottom Depth m:	1.500000	*Stratum Desc:*	Brown sand silt Trace: Gr

---

39 ***1 of 1*** ***100.0*** ***BORE***

ON

Borehole ID:	805913	*Type:*	Borehole
Use:	Geotechnical/Geological Investigation	*Status:*	
Drill Method:	Hand auger	*UTM Zone:*	18
Easting:	453352.042	*Northing:*	5018982.297
Location Accuracy:		*Orig. Ground Elev m:*	
Elev. Reliability Note:		*DEM Ground Elev m:*	100.699997
Total Depth m:	0.400000	*Primary Name:*	AH 03-31
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:	2003-APR-15	*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218586798	*Top Depth m:*	0
Bottom Depth m:	0.200000	*Stratum Desc:*	Topsoil
+			
Stratum ID:	218586799	*Top Depth m:*	0.200000
Bottom Depth m:	0.400000	*Stratum Desc:*	Brown Till sand silt with shale-like fragments

---

40 ***1 of 1*** ***100.0*** ***WWIS***

ON

Well Id:	1502173	*Lot:*	018
Concession:	04	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453340.7	*Northing Nad83:*	5018942
Zone:	18	*Utm Reliability:*	margin of error : 100 m - 300 m
Primary Water Use:	Domestic	*Construction Date:*	28-NOV-63

Map Key	Number of Records	Elevation m	Site	DB

Sec. Water Use:		*Well Depth:*	68 ft
Pump Rate:	9 GPM	*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	98.89	*Elevation Reliability:*	
Depth to Bedrock:	18	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	18 ft	*Original Depth:*	18 ft
Material Colour:		*Material:*	CLAY, QUICKSAND
+			
Thickness:	50 ft	*Original Depth:*	68 ft
Material Colour:	GREY	*Material:*	LIMESTONE

---

41 ***1 of 1*** ***95.0*** ***108 PURPLE FINCH CRESCENT OTTAWA ON K1T 4H1*** ***HINC***

External File Num:	FS INC 0702-00892
Date of Occurrence:	2/23/2007
Fuel Occurrence Type:	CO Release
Fuel Type Involved:	Natural Gas
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Multi-unit Residential
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Utilization
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:Yes Training:No Management:No Human Factors:No
Reported Details:	
Fuel Category:	Unknown
Occurrence Type:	Near-miss
Affiliation:	Emergency Services (Fire, Police,etc)
County Name:	Ottawa
Approx. Quant. Rel:	
Nearby body of water:	
Enter Drainage Syst.:	
Approx. Quant. Unit:	
Environmental Impact:	

---

42 ***1 of 1*** ***100.0*** ***ON*** ***WWIS***

Well Id:	1509599	*Lot:*	018
Concession:	04	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453320.7	*Northing Nad83:*	5018962
Zone:	18	*Utm Reliability:*	margin of error : 100 m - 300 m
Primary Water Use:	Domestic	*Construction Date:*	26-NOV-68
Sec. Water Use:		*Well Depth:*	86 ft
Pump Rate:	8 GPM	*Static Water Level:*	5 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Diamond	*Flowing (y/n):*	N
Elevation (m):	99.35	*Elevation Reliability:*	
Depth to Bedrock:	8	*Overburden/Bedrock:*	Bedrock

Map Key	Number of Records	Elevation m	Site	DB

Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL
--- Details ---			
Thickness:	5 ft	*Original Depth:*	5 ft
Material Colour:		*Material:*	TOPSOIL
+			
Thickness:	3 ft	*Original Depth:*	8 ft
Material Colour:		*Material:*	SAND, GRAVEL
+			
Thickness:	78 ft	*Original Depth:*	86 ft
Material Colour:		*Material:*	SANDSTONE

43 **1 of 2** **94.0** **City of Ottawa** **CA**
3173 Findlay Creek Dr
Ottawa ON

Certificate #:	4879-858QXC
Application Year:	2010
Issue Date:	5/11/2010
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:	

43 **2 of 2** **94.0** **City of Ottawa** **ECA**
3173 Findlay Creek Dr
Ottawa ON

CofA Number:	2799-8PJJRH
Date:	6/22/12
Status:	Approved
Project Type:	Municipal and Private Sewage

44 **1 of 1** **89.5** **WWIS**
ON

Well Id:	1528323	*Lot:*	020
Concession:	05	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	454548.8	*Northing Nad83:*	5018669
Zone:	18	*Utm Reliability:*	unknown UTM
Primary Water Use:	Domestic	*Construction Date:*	14-OCT-94
Sec. Water Use:		*Well Depth:*	4 ft
Pump Rate:	4 GPM	*Static Water Level:*	18 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Air Precussion	*Flowing (y/n):*	N
Elevation (m):	89.25	*Elevation Reliability:*	
Depth to Bedrock:	12	*Overburden/Bedrock:*	Bedrock
Water Type:	Not stated	*Casing Material:*	OPEN HOLE,STEEL

Map Key	Number of Records	Elevation m	Site	DB

--- Details ---

Thickness:	4 ft	Original Depth:	4 ft
Material Colour:	BROWN	Material:	CLAY
+			
Thickness:	8 ft	Original Depth:	12 ft
Material Colour:	GREY	Material:	SAND, GRAVEL, BOULDERS
+			
Thickness:	111 ft	Original Depth:	123 ft
Material Colour:	GREY	Material:	SHALE

45 **1 of 8** **91.0** **SUPERIOR ROOF TRUSS** **GEN**
4794 BANK STREET
GLOUCESTER ON K1G 3N4

SIC Code: 2599
SIC Description: OTHER WOOD IND.
Generator #: ON1911500
Approval Yrs: 99,00,01

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

45 **2 of 8** **91.0** **1019892 ONTARIO INC.** **GEN**
4794 BANK STREET
GLOUCESTER ON K1G 3N4

SIC Code:
SIC Description:
Generator #: ON1911500
Approval Yrs: 02,03,04,05,06

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

45 **3 of 8** **91.0** **Superior Roof Truss Inc.** **GEN**
4794 BANK STREET
GLOUCESTER ON K1T 3W7

SIC Code: 444190
SIC Description: Other Building Material Dealers
Generator #: ON1911500
Approval Yrs: 2009

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

45 **4 of 8** **91.0** **Superior Roof Truss Inc.** **GEN**
4794 BANK STREET
GLOUCESTER ON K1T 3W7

SIC Code: 444190
SIC Description: Other Building Material Dealers
Generator #: ON1911500

Map Key	Number of Records	Elevation m	Site	DB

Approval Yrs: 07,08

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

45 **5 of 8** **91.0** **SUPERIOR ROOF TRUSS/1019892 ONTARIO INC.** **GEN**
4794 BANK STREET
GLOUCESTER ON K1G 3N4

SIC Code: 2599
SIC Description: OTHER WOOD IND.
Generator #: ON1911500
Approval Yrs: 94,95,96,97,98

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

45 **6 of 8** **91.0** **Superior Roof Truss Inc.** **GEN**
4794 BANK STREET
GLOUCESTER ON K1T 3W7

SIC Code: 444190
SIC Description: Other Building Material Dealers
Generator #: ON1911500
Approval Yrs: 2010

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

45 **7 of 8** **91.0** **Superior Roof Truss Inc.** **GEN**
4794 BANK STREET
GLOUCESTER ON K1T 3W7

SIC Code: 444190
SIC Description: Other Building Material Dealers
Generator #: ON1911500
Approval Yrs: 2011

--- Details ---
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

45 **8 of 8** **91.0** **Superior Roof Truss Inc.** **SCT**
4794 Bank St
Gloucester ON K1T 3W7

Established: 01-AUG-93
Plant Size (ft²): 14000
Employment:

--- Details ---
SIC/NAICS Code: 332319
Description: Other Plate Work and Fabricated Structural Product Manufacturing
+
SIC/NAICS Code: 321215
Description: Structural Wood Product Manufacturing

Map Key	Number of Records	Elevation m	Site	DB
46	1 of 1	101.0	**Stinson WO & Sons Ltd.<UNOFFICIAL>** **4726 Bank Street, Gloucester** **Ottawa ON**	SPL

Ref No.:	4476-5PAN6U
Incident Dt:	7/9/2003
MOE Reported Dt:	7/9/2003
Contaminant Name:	FUEL OIL
Contaminant Quantity:	25 L
Incident Summary:	TSSA: fuel oil spill from missing cap on tanker
Incident Cause:	Container Leak (Fuel Tank Barrels)
Incident Reason:	Equipment Failure - Malfunction of system components
Nature of Impact:	Soil Contamination
Receiving Medium:	Land
Environmental Impact:	Possible

Map Key	Number of Records	Elevation m	Site	DB
47	1 of 1	90.1	**ON**	WWIS

Well Id:	1517463	*Lot:*	018
Concession:	05	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	454229.7	*Northing Nad83:*	5019521
Zone:	18	*Utm Reliability:*	margin of error : 30 m - 100 m
Primary Water Use:	Domestic	*Construction Date:*	14-NOV-80
Sec. Water Use:		*Well Depth:*	225 ft
Pump Rate:	6 GPM	*Static Water Level:*	30 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	91.21	*Elevation Reliability:*	
Depth to Bedrock:	201	*Overburden/Bedrock:*	Bedrock
Water Type:	SALTY	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	20 ft	*Original Depth:*	20 ft
Material Colour:	BROWN	*Material:*	CLAY, PACKED
+			
Thickness:	150 ft	*Original Depth:*	170 ft
Material Colour:	GREY	*Material:*	CLAY, STICKY
+			
Thickness:	25 ft	*Original Depth:*	195 ft
Material Colour:	GREY	*Material:*	CLAY, SAND, STONES
+			
Thickness:	6 ft	*Original Depth:*	201 ft
Material Colour:	BLACK	*Material:*	GRAVEL, SAND, STONES
+			
Thickness:	24 ft	*Original Depth:*	225 ft
Material Colour:	BROWN	*Material:*	SHALE, SOFT, VERY

Map Key	Number of Records	Elevation m	Site	DB
48	1 of 1	91.0	**ON**	WWIS

Well Id:	1502245	*Lot:*	020
Concession:	05	*Concession Name:*	RF

Map Key	Number of Records	Elevation m	Site	DB

County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453690.7	*Northing Nad83:*	5018292
Zone:	18	*Utm Reliability:*	margin of error : 100 m - 300 m
Primary Water Use:	Domestic	*Construction Date:*	25-SEP-51
Sec. Water Use:		*Well Depth:*	4 ft
Pump Rate:	5 GPM	*Static Water Level:*	10 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	91.64	*Elevation Reliability:*	
Depth to Bedrock:	4	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	4 ft	*Original Depth:*	4 ft
Material Colour:		*Material:*	GRAVEL
+			
Thickness:	33 ft	*Original Depth:*	37 ft
Material Colour:		*Material:*	LIMESTONE

---

49 ***1 of 1*** ***101.5*** ***W.O. Stinson & Son Ltd.*** ***CFOT***
4727 Bank St.
GLOUCESTER ON K1T 3W7

Registration No.:	200204-2415
Licence No.:	
Tank Size:	2200 L
Year Installed:	1991
Tank Material:	Steel
Distributor:	W.O. Stinson & Son Ltd.
Contact Name:	
Contact Address:	4726 Bank St
Contact Address2:	
Contact City:	Glouchester
Comments:	

---

50 ***1 of 1*** ***98.0*** ***BORE***
ON

Borehole ID:	614707	*Type:*	Borehole
Use:		*Status:*	
Drill Method:		*UTM Zone:*	18
Easting:	453251.000	*Northing:*	5018902.000
Location Accuracy:		*Orig. Ground Elev m:*	97.500000
Elev. Reliability Note:		*DEM Ground Elev m:*	96.900002
Total Depth m:	-999.000000	*Primary Name:*	
Township:		*Concession:*	
Lot:		*Municipality:*	
Completion Date:		*Static Water Level:*	
Primary Water Use:		*Sec. Water Use:*	
Location Description:			

--- Details ---

Stratum ID:	218399093	*Top Depth m:*	0
Bottom Depth m:	3	*Stratum Desc:*	STONES. LOOSE.
+			
Stratum ID:	218399094	*Top Depth m:*	3

Bottom Depth m:		*Stratum Desc:*	BEDROCK. = 1400. BEDROCK. SEISMIC VELOCITY = 17000. BEDROCK. SEISMIC VELOCITY = 15500.

51 **1 of 1** **97.9** **ON** **WWIS**

Well Id:	1509558	*Lot:*	018
Concession:	04	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453240.7	*Northing Nad83:*	5018912
Zone:	18	*Utm Reliability:*	margin of error : 100 m - 300 m
Primary Water Use:	Livestock	*Construction Date:*	10-OCT-68
Sec. Water Use:	Domestic	*Well Depth:*	240 ft
Pump Rate:	4 GPM	*Static Water Level:*	18 ft
Flow Rate:		*Clear/Cloudy:*	CLOUDY
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	96.81	*Elevation Reliability:*	
Depth to Bedrock:	14	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	14 ft	*Original Depth:*	14 ft
Material Colour:		*Material:*	GRAVEL, BOULDERS
+			
Thickness:	226 ft	*Original Depth:*	240 ft
Material Colour:	BLACK	*Material:*	LIMESTONE

52 **1 of 1** **97.0** **ON** **WWIS**

Well Id:	1502174	*Lot:*	018
Concession:	04	*Concession Name:*	RF
County:	OTTAWA-CARLETON	*Municipality:*	GLOUCESTER
Easting Nad83:	453240.7	*Northing Nad83:*	5018862
Zone:	18	*Utm Reliability:*	margin of error : 100 m - 300 m
Primary Water Use:	Livestock	*Construction Date:*	28-DEC-64
Sec. Water Use:		*Well Depth:*	130 ft
Pump Rate:	1 GPM	*Static Water Level:*	12 ft
Flow Rate:		*Clear/Cloudy:*	CLEAR
Specific Capacity:		*Final Well Status:*	Water Supply
Construction Method:	Cable Tool	*Flowing (y/n):*	N
Elevation (m):	96.21	*Elevation Reliability:*	
Depth to Bedrock:	13	*Overburden/Bedrock:*	Bedrock
Water Type:	FRESH	*Casing Material:*	OPEN HOLE,STEEL

--- Details ---

Thickness:	13 ft	*Original Depth:*	13 ft
Material Colour:		*Material:*	GRAVEL, STONES, BOULDERS
+			
Thickness:	117 ft	*Original Depth:*	130 ft
Material Colour:		*Material:*	LIMESTONE

Unplottable Summary

DB	Company Name/Site Name	Address	City	Zip
CA	CITY	BANK ST.	GLOUCESTER CITY ON	
CA	THE DOUGLAS MACDONALD DEV. CORP.	COMMERCIAL PLAZA BANK STREET	OTTAWA CITY ON	
CA	City of Ottawa	Bank St Bank Street from Somerset Street to Catherine Street	Ottawa ON	
CA	BANK STREET MAZDA	SITE RD. BANK ST.	GLOUCESTER CITY ON	
CA	City of Ottawa	Bank Street - Regent Street to Glebe Avenue	Ottawa ON	
CA	SOUTH KEYS SHOPPING CENTRES	PT.LOTS 3-5/CONC.3, BANK ST.	OTTAWA CITY ON	
CA	MACDONALD DEVELOPMENT CORP.	BANK ST.	OTTAWA CITY ON	
CA	City of Ottawa	Bank Street - Isabella Street to Wilton Crescent	Ottawa ON	
CA	MACDONALD DEVELOPMENT CORP.-PLAZA	EASEMENT-BANK STREET	OTTAWA CITY ON	
CA	OSSORY CANADA INC.	PRIVATE BLDG. BANK ST.	OTTAWA CITY ON	
CA	City of Ottawa	Bank St from Laurier Avenue to Somerest Street	Ottawa ON	
CA	Claridge Homes (Leitrim) Inc.	4635,4703,4723 Bank Street	Ottawa ON	
CONV	Taggart Construction Limited	Bank Street	South Ottawa ON	
ECA	G. Lemay Construction (1998) Inc.	3135 Analdea Dr Lot 17/18, Concession 5 (Rideau Front)	Ottawa ON	
ECA	Claridge Homes (Leitrim) Inc.	4635,4703,4723 Bank Street	Ottawa ON	
ECA	G. Lemay Construction (1998) Inc.	3135 Analdea Dr Lot 17/18, Concession 5 (Rideau Front)	Ottawa ON	
EHS		Bank St	Ottawa ON	

GEN	Hydro Ottawa Ltd.	Bank St	Ottawa ON
GEN	SPIC & SPAN-VALETOR-CASH CLEANERS	BILLINGS BRIDGE PLAZA, BANK STREET	OTTAWA ON
HINC		BANK STREET [NORTH OF MITCH OWENS ROAD]	GLOUCESTER ON
SPL	City of Ottawa	Bank St in front of Bethshalam Cemetary	Ottawa ON
SPL	City of Ottawa <UNOFFICIAL>	on east side of Bank St. 750 metres north of Findlay Creek Dr.	Ottawa ON
SPL	TRANSPORT TRUCK	BANK ST. BRIDGE	OTTAWA CITY ON
SPL	ONTARIO HYDRO	BANK ST	GLOUCESTER CITY ON
SPL	ESSO PETROLEUM CANADA	BANK STREET	OTTAWA CITY ON
SPL	PIONEER PETROLEUMS LTD.	BANK STREET SOUTH PIONEER GAS STATION.	OTTAWA CITY ON
SPL	OC TRANSPO	BANK ST. SOUTH	OTTAWA CITY ON
SPL	Taggart Construction Limited	Findlay Creek Subdivision	Ottawa ON
SPL	Bell Canada	on Bank St, 10 ft N of Catherine St	Ottawa ON

Unplottable Report

Site: ***CITY***
BANK ST. GLOUCESTER CITY ON

Database: ***CA***

Certificate #:	3-0859-85-006
Application Year:	85
Issue Date:	8/1/85
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***THE DOUGLAS MACDONALD DEV. CORP.***
COMMERCIAL PLAZA BANK STREET OTTAWA CITY ON

Database: ***CA***

Certificate #:	7-1304-86-
Application Year:	86
Issue Date:	10/28/1986
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***City of Ottawa***
Bank St Bank Street from Somerset Street to Catherine Street Ottawa ON

Database: ***CA***

Certificate #:	7054-7L4LKY
Application Year:	2008
Issue Date:	11/28/2008
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: ***BANK STREET MAZDA*** ***Database:***
SITE RD. BANK ST. GLOUCESTER CITY ON ***CA***

Certificate #: 7-1460-88-
Application Year: 88
Issue Date: 9/9/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***City of Ottawa*** ***Database:***
Bank Street - Regent Street to Glebe Avenue Ottawa ON ***CA***

Certificate #: 4000-8EDQTH
Application Year: 2011
Issue Date: 3/14/2011
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***SOUTH KEYS SHOPPING CENTRES*** ***Database:***
PT.LOTS 3-5/CONC.3, BANK ST. OTTAWA CITY ON ***CA***

Certificate #: 3-0856-95-
Application Year: 95
Issue Date: 8/8/1995
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***MACDONALD DEVELOPMENT CORP.*** ***Database:***
BANK ST. OTTAWA CITY ON ***CA***

Certificate #: 3-1072-88-
Application Year: 88
Issue Date: 9/28/1988
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***
Bank Street - Isabella Street to Wilton Crescent Ottawa ON

Database: ***CA***

Certificate #: 2096-8G2SZN
Application Year: 2011
Issue Date: 5/3/2011
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: ***MACDONALD DEVELOPMENT CORP.-PLAZA***
EASEMENT-BANK STREET OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-1864-86-
Application Year: 86
Issue Date: 12/19/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ***OSSORY CANADA INC.***
PRIVATE BLDG. BANK ST. OTTAWA CITY ON

Database: ***CA***

Certificate #: 3-0515-87-
Application Year: 87
Issue Date: 4/23/1987
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*** ***Database:***
Bank St from Laurier Avenue to Somerest Street Ottawa ON ***CA***

Certificate #: 4804-7DGNT6
Application Year: 2008
Issue Date: 4/8/2008
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: ***Claridge Homes (Leitrim) Inc.*** ***Database:***
4635,4703,4723 Bank Street Ottawa ON ***CA***

Certificate #: 4237-8J4JV3
Application Year: 2011
Issue Date: 7/8/2011
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: ***Taggart Construction Limited*** ***Database:***
Bank Street South Ottawa ON ***CONV***

File No.: 010503
Crown Brief No.:
Ministry District:
Region:
Description: On December 3, 2009, Taggart Construction Limited pleaded guilty to one violation under the Ontario Water Resources Act for failing to comply with a Provincial Officer Order to submit weekly water taking records showing daily water taking volumes. The company was contracted to install municipal services for the Findlay Creek Subdivision located on Bank Street in South Ottawa. A ministry inspection of the construction site in the fall of 2007 revealed concerns with water taking activities and a Provincial Officer Order was issued. One of the requirements of the Order, related to keeping accurate water taking records and submitting them to the ministry, was not complied with. The company was charged following an investigation by the ministry¿s Investigations and Enforcement Branch and was fined $5,000 plus victim fine surcharge. The company was given 30 days to pay the fine.

--- Details ---
Date Charged: December 3, 2009
Fine: $5,000
Act/Regulation/Section: Provincial Officer Order
Charge Disposition: fine, victim fine surcharge

Site: ***G. Lemay Construction (1998) Inc.***
3135 Analdea Dr Lot 17/18, Concession 5 (Rideau Front) Ottawa ON

Database: ***ECA***

CofA Number: 0705-8XNGS2
Date: 9/4/2012
Status: Approved
Project Type: Municipal and Private Sewage

Site: ***Claridge Homes (Leitrim) Inc.***
4635,4703,4723 Bank Street Ottawa ON

Database: ***ECA***

CofA Number: 9736-97PJXS
Date: 5/21/13
Status: Approved
Project Type: Municipal and Private Sewage

Site: ***G. Lemay Construction (1998) Inc.***
3135 Analdea Dr Lot 17/18, Concession 5 (Rideau Front) Ottawa ON

Database: ***ECA***

CofA Number: 4508-8XTLEN
Date: 9/4/2012
Status: Approved
Project Type: Municipal and Private Sewage

Site:
Bank St Ottawa ON

Database: ***EHS***

Order No.: 20060427021
Report Date: 5/5/2006
Report Type: Custom Report
Search Radius (km): 0.25
Addit. Info Ordered:

Site: ***Hydro Ottawa Ltd.***
Bank St Ottawa ON

Database: ***GEN***

SIC Code:
SIC Description:
Generator #: ON8798860
Approval Yrs: 03,04

Site: ***SPIC & SPAN-VALETOR-CASH CLEANERS***
BILLINGS BRIDGE PLAZA, BANK STREET OTTAWA ON

Database: ***GEN***

SIC Code: 9721
SIC Description: POWER LAUND./CLEANERS
Generator #: ON0573413
Approval Yrs: 86,87,88

--- Details ---
Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Site: ***Database:***
BANK STREET [NORTH OF MITCH OWENS ROAD] GLOUCESTER ON ***HINC***

External File Num:	FS INC 0712-07599
Date of Occurrence:	12/16/2007
Fuel Occurrence Type:	Discovery of a Petroleum Product
Fuel Type Involved:	Gasoline
Status Desc:	Completed - Causal Analysis(End)
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Other-Specify
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Other-specify
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:Yes Human Factors:Yes
Reported Details:	Report of a nearby retail gasoline site at a construction site where contaminated soil has been disc
Fuel Category:	Unknown
Occurrence Type:	Incident
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)
County Name:	Ottawa
Approx. Quant. Rel:	1
Nearby body of water:	No
Enter Drainage Syst.:	No
Approx. Quant. Unit:	Liters
Environmental Impact:	product found at time of matinance on a fire hydrant. Excavation near a decommisioned service station at 5352 BANK ST, GLOUCESTER, ON K1X 1H1 equipment removed.

Site: ***City of Ottawa*** ***Database:***
Bank St in front of Bethshalam Cemetary Ottawa ON ***SPL***

Ref No.:	1101-6BTH2J
Incident Dt:	4/26/2005
MOE Reported Dt:	4/26/2005
Contaminant Name:	ETHYLENE GLYCOL (ANTIFREEZE)
Contaminant Quantity:	
Incident Summary:	Ottawa:OC Transpo- 8 L antifreeze to grnd, clng
Incident Cause:	Cooling System Leak
Incident Reason:	Equipment Failure
Nature of Impact:	Soil Contamination
Receiving Medium:	Land
Environmental Impact:	Not Anticipated

Site: ***City of Ottawa <UNOFFICIAL>*** ***Database:***
on east side of Bank St. 750 metres north of Findlay Creek Dr. Ottawa ON ***SPL***

Ref No.:	4541-7VJ3B3
Incident Dt:	
MOE Reported Dt:	9/2/2009
Contaminant Name:	SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:	
Incident Summary:	Ottawa Works Dept. - sewage to ground from forcemain.
Incident Cause:	Pipe Or Hose Leak
Incident Reason:	Equipment Failure
Nature of Impact:	Soil Contamination
Receiving Medium:	
Environmental Impact:	Confirmed

Site: ***TRANSPORT TRUCK***
BANK ST. BRIDGE OTTAWA CITY ON

Database: ***SPL***

Ref No.:	88427
Incident Dt:	7/13/1993
MOE Reported Dt:	7/13/1993
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	HYDRAULIC OIL LEAK FROM UNIDENTIFIED TRANSPORT TRUCK TO BANK ST. BRIDGE
Incident Cause:	PIPE/HOSE LEAK
Incident Reason:	CORROSION
Nature of Impact:	Soil contamination
Receiving Medium:	LAND
Environmental Impact:	POSSIBLE

Site: ***ONTARIO HYDRO***
BANK ST GLOUCESTER CITY ON

Database: ***SPL***

Ref No.:	19785
Incident Dt:	7/9/1988
MOE Reported Dt:	7/11/1988
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	BACKENTRY - ONTARIO HYDROTRANSFORMER OIL (AMT U/K)ON GROUND
Incident Cause:	COOLING SYSTEM LEAK
Incident Reason:	OTHER
Nature of Impact:	
Receiving Medium:	LAND
Environmental Impact:	NOT ANTICIPATED

Site: ***ESSO PETROLEUM CANADA***
BANK STREET OTTAWA CITY ON

Database: ***SPL***

Ref No.:	147934
Incident Dt:	10/16/1997
MOE Reported Dt:	10/16/1997
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	ESSO SERVICE STATION: 40 L GASOLINE TO GROUND
Incident Cause:	PIPE/HOSE LEAK
Incident Reason:	DAMAGE BY MOVING EQUIPMENT
Nature of Impact:	
Receiving Medium:	LAND
Environmental Impact:	NOT ANTICIPATED

Site: ***PIONEER PETROLEUMS LTD.***
BANK STREET SOUTH PIONEER GAS STATION. OTTAWA CITY ON

Database: ***SPL***

Ref No.:	137358
Incident Dt:	2/20/1997
MOE Reported Dt:	2/20/1997
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	PIONEER PETROLEUMS-4L GASOLINE TO GROUND,UNSAFESPILL RESPONSE BY STAFF.
Incident Cause:	CONTAINER OVERFLOW
Incident Reason:	ERROR
Nature of Impact:	

Receiving Medium: LAND
Environmental Impact: NOT ANTICIPATED

Site: ***OC TRANSPO***
BANK ST. SOUTH OTTAWA CITY ON

Database: ***SPL***

Ref No.: 223917
Incident Dt: 4/11/2002
MOE Reported Dt: 4/11/2002
Contaminant Name:
Contaminant Quantity:
Incident Summary: SPILL OF DIESEL FUEL TO GRND, CLEAN UP CREW ON THE WAY
Incident Cause: PIPE/HOSE LEAK
Incident Reason: UNKNOWN
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: POSSIBLE

Site: ***Taggart Construction Limited***
Findlay Creek Subdivision Ottawa ON

Database: ***SPL***

Ref No.: 4066-82SU3T
Incident Dt:
MOE Reported Dt: 2/18/2010
Contaminant Name: SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)
Contaminant Quantity: 90 min (duration)
Incident Summary: Taggart Construction: sediment to Findlay Creek
Incident Cause: Discharge Or Bypass To A Watercourse
Incident Reason: Overstress/Pressure - Any form of overloading wherein the design strength of the container was exceeded
Nature of Impact: Surface Water Pollution
Receiving Medium:
Environmental Impact: Confirmed

Site: ***Bell Canada***
on Bank St, 10 ft N of Catherine St Ottawa ON

Database: ***SPL***

Ref No.: 8384-6WDTAV
Incident Dt: 12/11/2006
MOE Reported Dt: 12/11/2006
Contaminant Name: GASOLINE
Contaminant Quantity: Not specified L
Incident Summary: ukn src: hydrocarbons in Bell manhole
Incident Cause: Unknown
Incident Reason: Unknown - Reason not determined
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Environmental Impact: Not Anticipated

Appendix: Database Descriptions

Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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: Sept 2002* Provincial AAGR
The MAAP Program maintains a database of all abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Aggregate Inventory: Up to Aug 2012 Provincial AGR
The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot\concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mine Information System: 1800-Feb 2013 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.

Anderson's Waste Disposal Sites: 1860s-Present 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 authoritive. The information was collected for research purposes only.

Automobile Wrecking & Supplies: 2001-Jun 2010 Private AUWR
This database provides an inventory of all 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.

Borehole: 1875-Aug 2011 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.

Certificates of Approval: 1985-Oct 30, 2011* 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.

Commercial Fuel Oil Tanks: 1948-Apr 2013 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.

Chemical Register: 1992, 1999-Jun 2010 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.).

Inventory of Coal Gasification Plants and Coal Tar Sites: Apr 1987 and Nov 1988* 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.*

Compliance and Convictions: 1989-Jun 2013 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.

Certificates of Property Use: 1994-Jul 2013 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.

Drill Hole Database: 1886-Jun 2013 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".

Environmental Activity and Sector Registry: Oct 31, 2011-Jul 2013 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.

Environmental Registry: 1994-Jul 2013 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.

Environmental Compliance Approval: Oct 31, 2011-Jul 2013 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 CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Environmental Effects Monitoring: 1992-2007* 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.

ERIS Historical Searches: 1999-Mar 2013 Private EHS

EcoLog 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.

Environmental Issues Inventory System: 1992-2001* 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.

List of TSSA Expired Facilities: Current to Feb 2012 Provincial EXP

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Federal Convictions: 1988-Jun 2007* 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.

Contaminated Sites on Federal Land: June 2000-Jan 2013 Federal FCS
The Federal Contaminated Sites Inventory includes information on all 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.

Fisheries & Oceans Fuel Tanks: 1964-Sept 2003 Federal FOFT
Fisheries & Oceans Canada maintains an inventory of all 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.

Fuel Storage Tank: Current to Jun 2011 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.

Ontario Regulation 347 Waste Generators Summary: 1986-Apr 2012 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.

TSSA Historic Incidents: 2006-June 2009 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.

Indian & Northern Affairs Fuel Tanks: 1950-Aug 2003* Federal IAFT
The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

TSSA Incidents: June 2009-Apr 2013 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.

Landfill Inventory Management Ontario: 2012 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.

Canadian Mine Locations: 1998-2009 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.

Mineral Occurrences: 1846-Apr 2013 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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

National Analysis of Trends in Emergencies System (NATES): 1974-1994* 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.

Non-Compliance Reports: 1992(water only), 1994-2010 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.

National Defence & Canadian Forces Fuel Tanks: Up to May 2001* Federal NDFT

The Department of National Defence 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.

National Defence & Canadian Forces Spills: Mar 1999-Aug 2010 Federal NDSP

The Department of National Defence 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.

National Defence & Canadian Forces Waste Disposal Sites: 2001-Apr 2007* 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.

National Environmental Emergencies System (NEES): 1974-2003* 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 all 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.

National PCB Inventory: 1988-2008* Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.

National Pollutant Release Inventory: 1993-2011 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.

Oil and Gas Wells: 1988-Jun 2013 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.

Ontario Oil and Gas Wells: 1800-Jul 2013 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, well cap date, licence 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.

Inventory of PCB Storage Sites: 1987-Oct 2004 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.

Orders: 1994-Jul 2013 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.

Canadian Pulp and Paper: 1999, 2002, 2004, 2005, 2009 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.

Parks Canada Fuel Storage Tanks: 1920-Jan 2005* Federal PCFT

Canadian Heritage maintains an inventory of all 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.

Pesticide Register: 1988-Jun 2013 Provincial PES

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

TSSA Pipeline Incidents: June 2009-Mar 2012 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.

Private and Retail Fuel Storage Tanks: 1989-1996* 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).

Permit to Take Water: 1994-Jul 2013 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.

Ontario Regulation 347 Waste Receivers Summary: 1986-2011 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.

Record of Site Condition: 1997-Sept 2001, Oct 2004-Jun 2013 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).

Retail Fuel Storage Tanks: 1999-Jun 2010 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.

Scott's Manufacturing Directory: 1992-Mar 2011 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.

Ontario Spills: 1988-Aug 2012 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.

Wastewater Discharger Registration Database: 1990-2011 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).

Anderson's Storage Tanks: 1915-1953* 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.

Transport Canada Fuel Storage Tanks: 1970-Mar 2007 Federal TCFT

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

TSSA Variances for Abandonment of Underground Storage Tanks: Current to Jun 2013 Provincial VAR

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Waste Disposal Sites - MOE CA Inventory: 1970-Jul 2013 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.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Up to Oct 1990* 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.

Water Well Information System: 1955-May 2013 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.

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX D

Aerial Photographs



LEGEND

PHASE ONE ESA PROPERTY BOUNDARY

PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

1945 AIR PHOTO, NAPL A9611-094, 1945-10-30
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

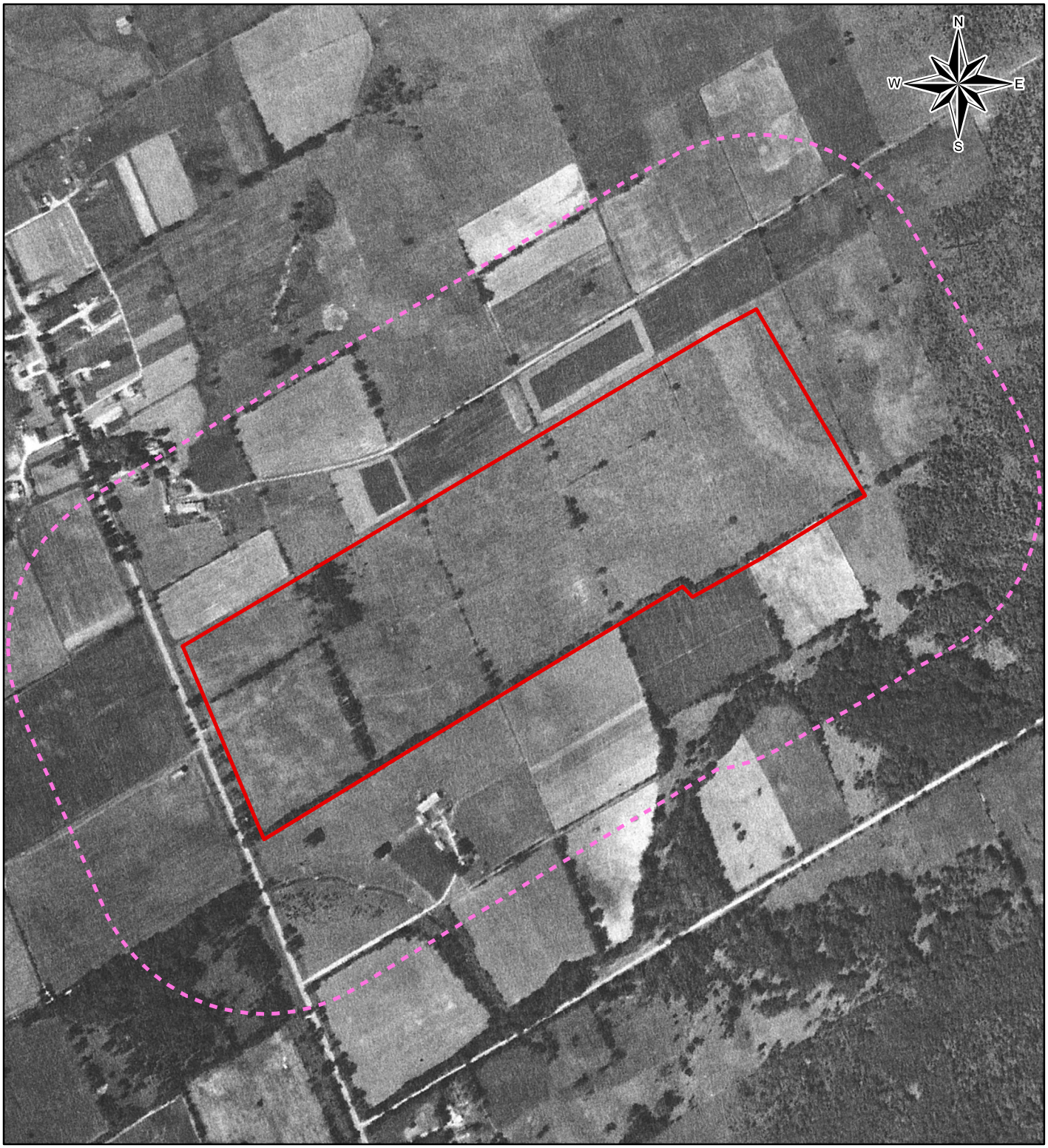
1945 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11		
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

APPENDIX D-1

N:\Active\2013\1122 - Contaminated Lands\13-1122-0223 Urbandale Kellam Lands Bank Street Ottawa\Spatial IM\GIS\MXD\Reporting\13112220223-1000-AppD-01.mxd



LEGEND

- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

1956 AIR PHOTO, NAPL A15331-147, 1956
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

1956 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	APPENDIX D-2	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

1965 AIR PHOTO, NAPL A18744-098, 1965-04-22
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

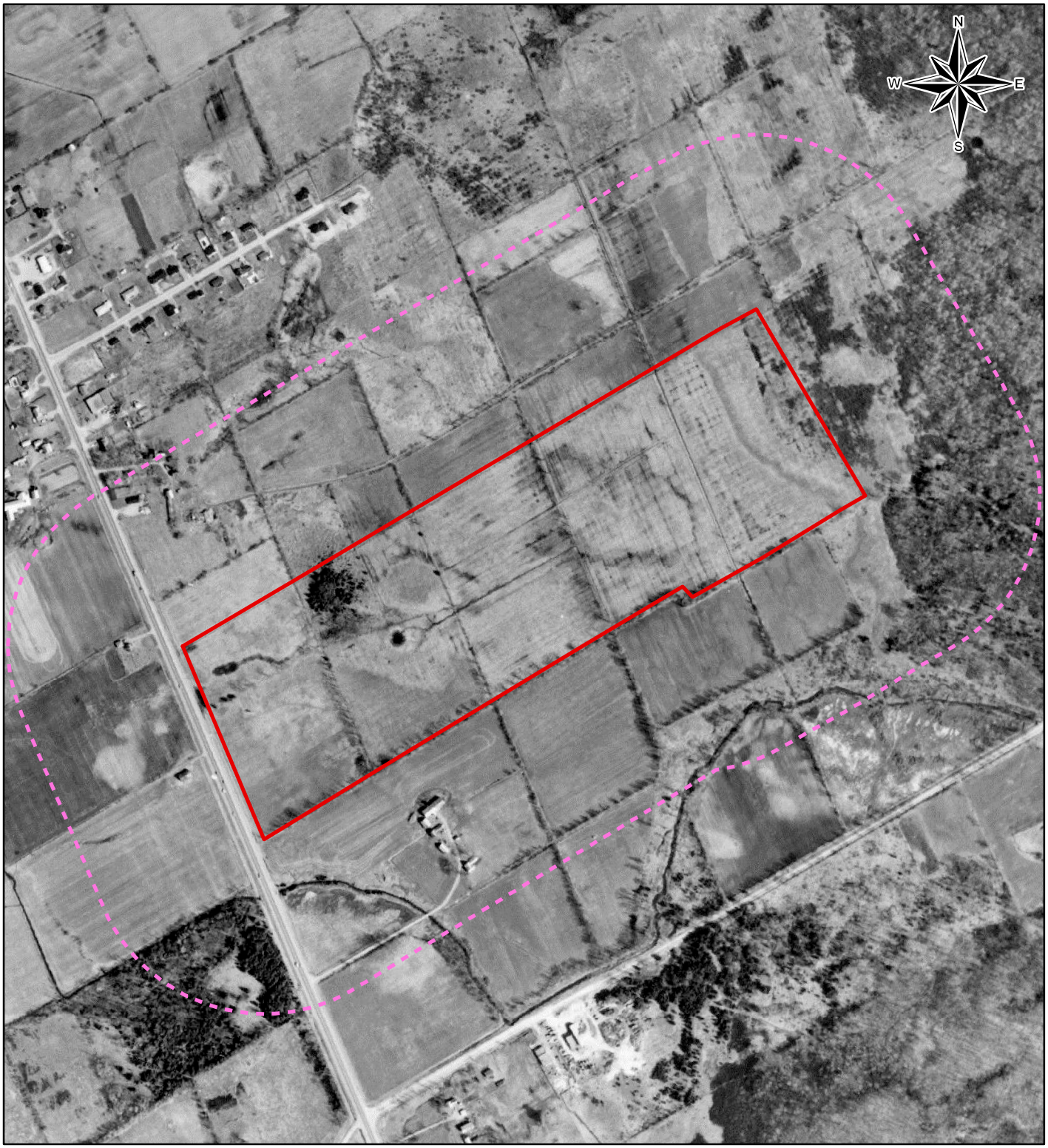
TITLE

1965 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
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GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

1975 AIR PHOTO, NAPL A31015-171, 1975-04-30
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

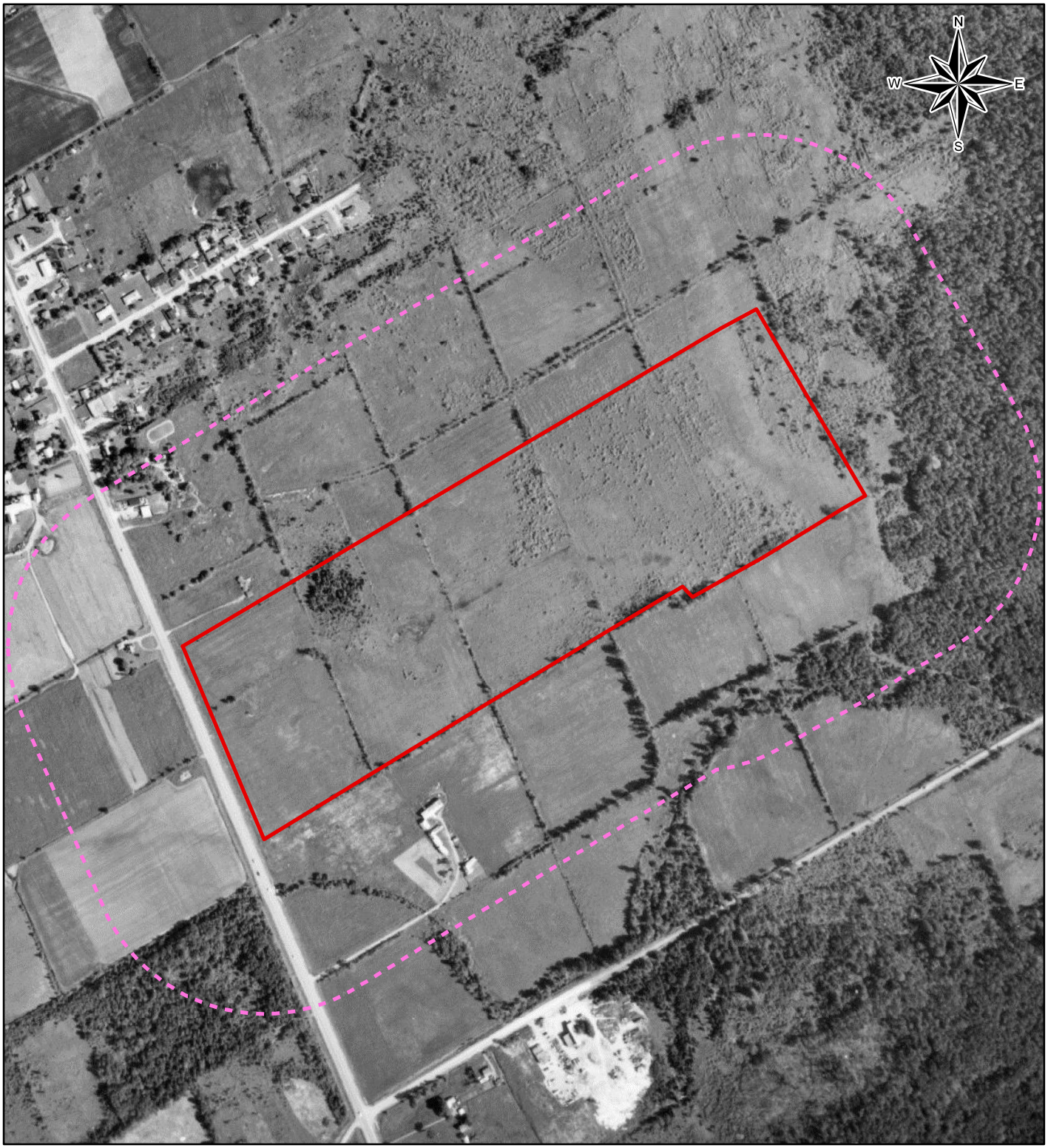
TITLE

1975 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	APPENDIX D-4	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

1985 AIR PHOTO, NAPL A31405-048, 1985-06-30.
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

1985 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11		
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

APPENDIX D-5

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LEGEND

PHASE ONE ESA PROPERTY BOUNDARY

PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

1996 AIR PHOTO, NAPL A31732-144, 1996-05-29.
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

1996 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11		
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

APPENDIX D-6

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LEGEND

- PHASE ONE ESA PROPERTY BOUNDARY
- PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

GOOGLE EARTH PRO IMAGE, DATED 11/19/2004.
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

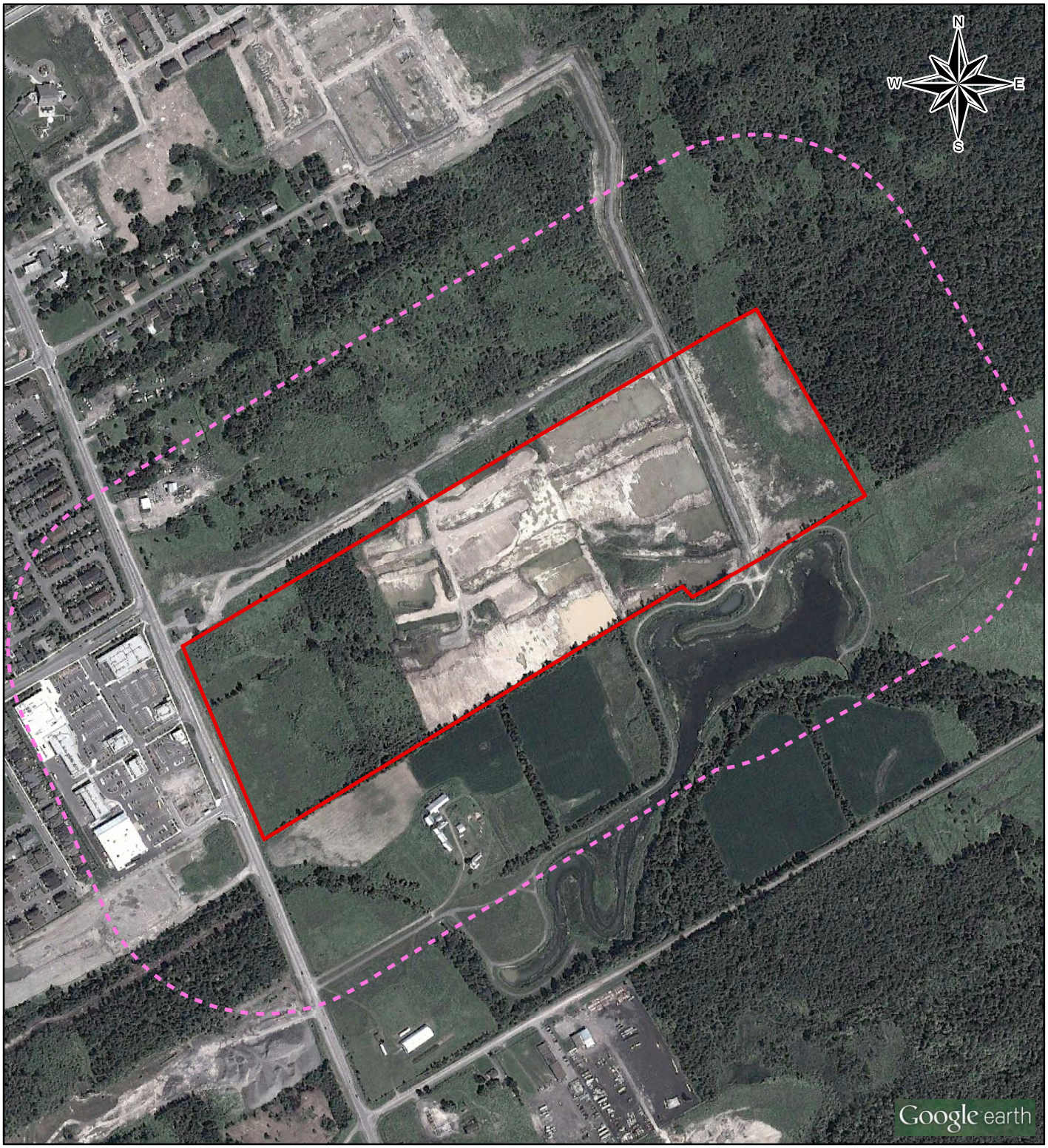
TITLE

2004 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	APPENDIX D-7	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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LEGEND

PHASE ONE ESA PROPERTY BOUNDARY

PHASE ONE ESA STUDY AREA

160 80 0 160

SCALE 1:8,000 METRES

NOTE

THIS FIGURE IS TO BE READ IN CONJUNCTION WITH THE ACCOMPANYING GOLDER ASSOCIATES LTD. REPORT No. 13-1122-0223/1000.

REFERENCE

GOOGLE EARTH PRO IMAGE, DATED 8/4/2013.
DATUM: NAD 83, COORDINATE SYSTEM: MTM ZONE 9

PROJECT

PHASE I ENVIRONMENTAL SITE ASSESSMENT
4791 BANK STREET, KELLAM LANDS
OTTAWA, ONTARIO

TITLE

2013 AIR PHOTO

Golder Associates

PROJECT No. 13-1122-223			SCALE AS SHOWN	REV. 0.0
DESIGN	BM	2013-11-11	APPENDIX D-8	
GIS	BR	2013-12-10		
CHECK	BM	2013-12-10		
REVIEW	DHP	2013-12-10		

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APPENDIX E

Site Photographs



Photograph 1: Looking east, from across Bank Street, towards the forested/vacant portion of the Site.



Photograph 2: Looking east towards the access road along the northern Site boundaries.



Photograph 3: Looking southeast from the access road towards the cleared and infilled area in the eastern portion of the Site.



Photograph 4: Looking east towards infilled areas in the eastern portion of the Site.



Photograph 5: Looking south towards standing water and infilled areas of the eastern portion of the Site.



Photograph 6: Looking northeast towards a typical culvert observed on the Site in the infilled areas.



Photograph 7: Looking west towards forested area fenced off in the north central area of the Site.



Photograph 8: Looking east, from across Bank Street, towards the vacant portion of the Site.



Photograph 9: Looking west towards construction activities taking place at 4798 Bank Street, located 160 m southwest of the Site.



Photograph 10: Looking east towards agricultural fields and a farm located adjacent to the south of the Site.



Photograph 11: Looking east towards McGee fencing, located at 4775 Bank Street (180 m north of the Site).



Photograph 12: Looking northeast towards the sewer alignment located on the adjacent vacant land adjacent to the north of the Site.



Photograph 13: Looking north towards the temporary sales centre located on the lands adjacent to the north of the Site.



Photograph 14: Looking west towards the retail mall complex located on the west side of Bank Street.



Photograph 15: Looking northwest towards Shoppers Drug Mart, located in the retail mall complex (approximately 30 m west of the Site) on the west side of Bank Street.



Photograph 16: Looking southwest towards the retail mall complex located on the west side of Bank Street.

As a global, employee-owned organisation with over 50 years of experience, Golder Associates is driven by our purpose to engineer earth's development while preserving earth's integrity. We deliver solutions that help our clients achieve their sustainable development goals by providing a wide range of independent consulting, design and construction services in our specialist areas of earth, environment and energy.

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