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# Phase 1 Environmental Site Assessment
# Maple Grove Road & Speedsville Road (Southeast Corner)
# Cambridge, Ontario

Prepared for:

**Hunt Club Valley**
**c/o Ms. Terri Johns**
465 Briardean Road
Cambridge, Ontario
NH3 4R6

File: 18196
June 21, 2018

## EXECUTIVE SUMMARY

Landtek Limited is pleased to submit the Phase 1 Environmental Site Assessment (ESA) report for the undeveloped land located at the southeast corner area of the intersection of Maple Grove Road and Speedsville Road in Cambridge, Ontario (the Site). The work was initiated following authorization to proceed from Ms. Terri Johns of T.Johns Consulting Group.

The primary objectives of the site assessment were: (1) review historical land use/activities on the subject property and surrounding land to assess the potential for environmental liabilities; (2) carry out a site inspection of the subject property to document existing conditions and identify areas of potential environmental concern, if any; and (3) assess the overall environmental status of the subject site and the need, if any, to undertake a Phase Two ESA.

The Phase 1 ESA was completed in general accordance with the requirements described in CSA Standard Z768-01, as well as the document "Guideline: Professional Engineers Providing Services in Environmental Site Assessment, Remediation, and Management (Association of Professional Engineers of Ontario, 1996). Sampling and chemical analysis of soil, groundwater, and/or other materials was not carried out as part of this Phase 1 ESA. This assessment was completed with the understanding that a Record of Site Condition (RSC) is not required and therefore the requirements of Ontario Regulation 153/04 (as amended) were not performed.

## FINDINGS

The following summary outlines the findings of the Phase 1 ESA:

- The Site is approximately rectangular in shape and is bound by Maple Grove Road to the north, Briardean Road to the east, Speedsville Road to the west, and undeveloped land to the south. Vacant agricultural lands occupy the south and west adjacent properties, residential developments occupy the east adjacent properties, and vacant agricultural land occupy the north adjacent properties with the exception of a school and building located at the northwest area across Maple Grove Road. The total size of the Site is approximately 13.88 hectares (34.30 acres) and is legally described as Part of Lot 11, Concession 1, BEASLEY'S LOWER BLK TWP OF WATERLOO AS IN WS650024 EXCEPT PTS 10 & 14 67R2769; CAMBRIDGE.

- At the time of the Landtek's site reconnaissance the site was vacant agricultural land with wooded areas.

- The Site has historically been used for agricultural purposes. The surrounding properties to the Site appear to have been primarily agricultural with some residential use since circa 1960, and a school located adjacent to the northwest area of the Site since 2002, and a building listed since 1998. The review identified two (2) spill incidents to the northwest corner area of the intersection of Speedsville Road and Maple Grove Road in 1989; 270 L of diesel on the road as result of accident , and 25 L of gasoline on the road as result of unknown cause. A metal products company was identified at the northeast corner area of the intersection of Speedsville Road and Maple Grove Road.

- A review of geological mapping and experience in the area indicates that stratigraphy of the subsurface overburden primarily consists of predominantly of sand and gravel. The bedrock in the area generally consists of sandstone, shale, dolostone, and siltstone of

the Guelph Formation.

- There was no evidence of USTs or ASTs at the Site. There was no observed evidence of filler pipes, breather pipes or ground depressions that may indicate the presence of any UST's.

- A fire insurance plan (FIP) search was completed for the Site and selected surrounding property addresses. No coverage of the Site and surrounding properties were identified.

- No previous environmental reports were available for review during the preparation of this report:

**RECOMMENDATIONS**

Based on the future site uses/development plans and the findings of this Phase 1 ESA, it is the opinion of Landtek Limited that there is need to undertake further environmental evaluation of the site at this time by completing a Limited Phase 2 ESA. This is required in order to address the reported spills and metals production facility adjacent to the northwest area of the Site.

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## 1.0 INTRODUCTION

Landtek Limited is pleased to submit the Phase 1 Environmental Site Assessment (ESA) report for the property located at the southeast corner area of the intersection of Maple Grove Road and Speedsville Road in Cambridge, Ontario (the Site). The work was initiated following authorization to proceed from Ms. Terri Johns of T.Johns Consulting Group.

The primary objectives of the site assessment were: (1) review historical land use/activities on the subject property and surrounding land to assess the potential for environmental liabilities; (2) carry out a site inspection of the subject property to document existing conditions and identify areas of potential environmental concern, if any; and (3) assess the overall environmental status of the subject site and the need, if any, to undertake a Phase 2 ESA.

The Phase 1 ESA was completed in general accordance with the requirements described in CSA Standard Z768-01, as well as the document "Guideline: Professional Engineers Providing Services in Environmental Site Assessment, Remediation, and Management (Association of Professional Engineers of Ontario, 1996). Sampling and chemical analysis of soil, groundwater, and/or other materials was not carried out as part of this Phase 1 ESA. This assessment was completed with the understanding that a Record of Site Condition (RSC) is not required and therefore the requirements of Ontario Regulation 153/04 (as amended) were not performed.

## 2.0 SITE DESCRIPTION

The Site is located approximately at the southeast corner area of the intersection of Speedsville Road and Maple Grove Road in Cambridge, Ontario (Figure 1).

The Site is approximately rectangular in shape and is bound by Maple Grove Road Avenue to the north, Briardean Road to the east, Speedsville Road to the west, and undeveloped land to the south. Vacant agricultural lands occupy the south and west adjacent properties, residential developments occupy the east adjacent properties, and vacant agricultural land occupy the north adjacent properties with the exception of a school and a building located at the northwest area across Maple Grove Road. The total size of the Site is approximately 13.88 hectares (34.30 acres) and is legally described as Part of Lot 11, Concession 1, BEASLEY'S LOWER BLK TWP OF WATERLOO AS IN WS650024 EXCEPT PTS 10 & 14 67R2769; CAMBRIDGE.

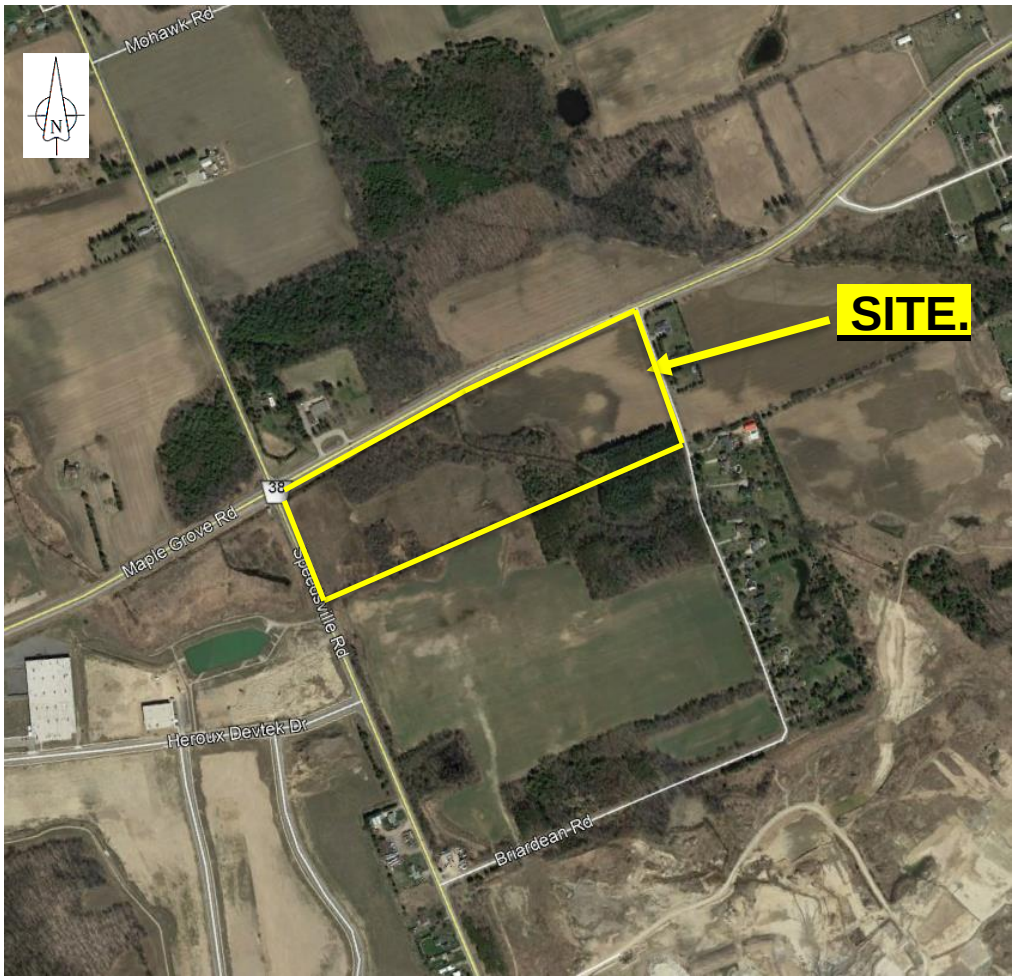



**FIGURE 1**
**Location of Subject Property**

## 3.0 RECORDS REVIEW

### 3.1 Aerial Photographs

Aerial photographs of the site and Study Area were obtained from Eco-Log ERIS, and current satellite imagery. All available aerial photographs of the site below or equal to a scale of 1:25,000 were obtained. The aerial photographs are presented in **Appendix D** and the information from these sources is summarized in Error! Reference source not found. below as follows:

*Table 1: Aerial Photograph Descriptions*

| Year | Site | Study Area |
|---|---|---|
| 1945 | The Site appears to be in agricultural land use. | An unidentified feature is observed adjacent to the northwest area of the Site across Maple Grove Road; and a unidentified facility located southwest of the Site. The Study Area is predominantly in rural residential/agricultural land use area. |
| 1954 | The Phase One Property was similar to the 1945 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 1945 aerial photograph. |
| 1964 | The Phase One Property was similar to the 1954 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 1954 aerial photograph, with the exception that some buildings appear to be configured in Phase One Study Area (adjacent to northeast area of site, across Briardean Road; southeast and further southwest of Site). The unidentified feature northwest of the Site appears more developed. |
| 1972 | The Phase One Property was similar to the 1964 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 1964 aerial photograph. The unidentified feature northwest of the Site appears to be the present day school. |
| 1982 | The Phase One Property was similar to the 1972 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 1972 aerial photograph. |
| 1988 | The Phase One Property was similar to the 1982 aerial photograph, with the exception that that Maple Grove Road has been re-aligned at the northwest boundary area of the Site. | The adjacent properties and Phase One Study area were similar to the 1982 aerial photograph, with the exception that there are more buildings developments. |
| 2006 | The Phase One Property was similar to the 1988 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 1988 aerial photograph, with the exception that there is a horse-shoe shaped road southwest of Site. In addition there is an access road into the south adjacent property from the south. |
| 2012 | The Phase One Property was similar to the 2006 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 2006 aerial photograph. |
| 2017 | The Phase One Property was similar to the 2012 aerial photograph. | The adjacent properties and Phase One Study area were similar to the 2012 aerial photograph, with the exception that the south adjacent property appears to be disturbed. |

## 3.2 Fire Insurance Plans and Underwriter's Reports

A fire insurance plan (FIP) search was completed for the Site and selected surrounding property addresses. No coverage of the Site and surrounding properties were identified.

### 3.3 Site Occupancy Records

A City Directory search was completed by EcoLog ERIS for the Site and selected surrounding property addresses. The Vernon's Cambridge Directory contained the following any listings for the Site and the immediately adjacent properties.

*Table 2: Subject Site Occupancy Records*

| Address | Occupancy Date(s) | Occupants |
|---|---|---|
| 800 Briardean Road | 1960 – 2013 | No Site Specified |

*Table 3: Addresses and Occupancy Use of Adjacent Properties*

| Address | Occupancy Date(s) | Occupants |
|---|---|---|
| 685 Briardean Road | 1993 – 2013<br>1960 – 1988 | Residential (1 tenant)<br>Address not listed |
| 705 Briardean Road | 2013<br>2002 - 2008<br>1960 – 1999 | No Return<br>Residential (1 tenant)<br>Address not listed |
| 725 Briardean Road | 2013<br>1993 - 2008<br>1960 - 1988 | No Return<br>Residential (1 tenant)<br>Address not listed |
| 875 Briardean Road | 1993 – 2013<br>1960 – 1988 | Residential (1 tenant)<br>Address not listed |
| 915 Briardean Road | 2007 – 2013<br>1960 – 2003 | Residential (1 tenant)<br>Address not listed |
| 1370 Maple Grove Road | 2013<br>2002 – 2008<br>1960 – 1999 | Tiny Tim Developmental School<br>Immaculate Heart of Mary School<br>Address not listed |
| 7 Pointer Street | 1960 – 2013 | Address not listed |
| 8 Pointer Street | 1960 – 2013 | Address not listed |
| 16 Pointer Street | 1960 – 2013 | Address not listed |
| 19 Pointer Street | 1960 – 2013 | Address not listed |
| 1755 Speedsville Road | 1998 – 2013<br>1960 – 1994 | Residential (1 tenant)<br>Address not listed |

The surrounding properties to the Site appear to have been primarily agricultural with residential and commercial (school) developments starting from 1990s.

### 3.4 Title Search

A Title Search was completed for the Site and was described as Part of Lot 11, Concession 1, BEASLEY'S LOWER BLK TWP OF WATERLOO AS IN WS650024 EXCEPT PTS 10 & 14 67R2769; CAMBRIDGE.

The title search indicated that the Site was transferred to Tessa Mary Reszetnik by Martin Stanley Patrick Reszetnik in 2016.

## 3.5 Regulatory Information

### *3.5.1 Environmental Risk Information Service*

Appropriate regulatory agency information was reviewed through ERIS Historical Searches to obtain information regarding but not limited to environmental permits, past or pending environmental control orders or complaints, outstanding environmental regulatory non-compliance issues, waste disposal or landfill sites, PCB storage sites, coal gasification plant sites, underground storage tanks, etc. within a radius of 250 m of the site.

No database entries were identified for the Site.

Mappable records were reviewed for properties in the surrounding 250 m radius. Records of concern are summarized in Table 4 below:

*Table 4: ERIS Database Entries for the Surrounding Properties*

| Address/Location | Distance | Activity |
|---|---|---|
| Northwest area of Intersection of Speedsville Road and Maple Grove Road | 18 m west | 5/15/1989: Spill of 25 L of Gasoline on the Road, due to unknown cause.<br>5/1/1989: Spill of 270 L of Diesel on the Road, due to transportation accident. |
| 1755 Speedsville Road, RR 31 Cambridge, ON. | 30 m west | Metal products fabrication, copper rolling, metal extruding and alloying. |

The review identified 2 spills and a metal products fabricating industry immediately northwest of the Site. A Standard Select Report was also identified for the Site; however, no additional information was provided.

In addition, eighteen (18) Water Well Information System records indicate that the area the Site is located in is underlain by sand, some gravel, trace clay which is underlain by limestone bedrock at depths ranging from 21 to 26 meters below ground surface.

### *3.5.2 Ministry of the Environment and Climate Change (MOE)*

A request was sent to the MOECC Freedom of Information (FOI) and Protection of Privacy office in order to determine if there were any recorded environmental issues or violations associated with the Site and/or have issued any approvals, licenses, or permits for the locations, including registration as a PCB storage facility, and/or if a waste generator number has ever been assigned to any of the properties, issued control orders or violation notices, and/or if the MOECC has knowledge or record that any of the subject properties have ever been used or is currently being used for waste disposal. No records were located responsive to this request.

## 3.6 Geological Data and Groundwater

Geological and Hydrogeological information sources were reviewed to determine the nature of the subsurface strata on Site.

According to the Map 2508 titled “Quaternary Geology of Ontario, Cambridge”, the Site is located in a physiographic region in which overburden primarily consists of gravel.

According to Map 2544, Bedrock Geology of Southern Ontario, Southern Sheet”, the bedrock in the area generally consists of sandstone, shale, dolostone, and siltstone of the Guelph Formation.

The subsurface conditions encountered in twelve (12) of the eighteen (18) MOECC Water Wells within 250 m of the Phase One Property, provide descriptions of the overburden and bedrock in the area the as: sand with some gravel and clay underlain by bedrock at approximately 21 to 26 m below ground surface.

A creek (Middle Creek) bisects the Site and appears to flow southeasterly. The localized groundwater flow direction is expected to follow the topography and flow in southeasterly direction towards Speed River located approximately 1.7 km southeast of the Site.

### 3.7 Previous Environmental Reports and Additional Information

No previous environmental reports were available for review during the preparation of this report.

## 4.0 OBSERVED SITE CONDITIONS

Landtek Limited conducted a visual assessment of the site on June 7, 2018. The following sections summarize the observed site conditions.

### 4.1 Site Uses and Structures

At the time of the Landtek's site reconnaissance the site was an agricultural land and zoned as agricultural, open space. No building or structures occupied the site.

### 4.2 Site Topography and Drainage

The overall topography of the site is rolling with slopes from the east and west areas to the Middle Creek that bisects the Site. Surface drainage is handled via overland flow via the Creek.

### 4.3 Storage Tanks

There was no evidence of Underground Storage Tanks (UST) or Above Ground Storage Tanks (ASTs). There was no observed evidence of filler pipes, breather pipes or ground depressions that may indicate the presence of any UST's.

### 4.4 Hazardous Materials

Appendix C presents general information related to common hazardous or designated substances that can be found in buildings/building materials. The following sections summarize substances that are more likely to be found in construction materials and building equipment.

***Asbestos Containing Materials (ACM's)***

No suspected friable ACM's were observed at the time of the visual site inspection.

***Lead***

No suspected lead containing materials were observed during the visual site inspection.

***Ozone Depleting Substances (ODS's)***

No items suspected of containing ODS's were observed at the time of the visual site inspection.

***Polychlorinated Biphenyls (PCB's)***

No items suspected of containing PCB's were observed at the time of the visual site inspection.

***Urea Formaldehyde Foam Insulation (UFFI)***

UFFI was not observed during the visual site inspection.

### 4.5 Ground Staining

Surficial ground staining was not observed on the study site during the site visit.

### 4.6 Air Emissions

No air emissions were being generated from the site.

### 4.7 Noise and Odour

There was no noise or odours being generated at the time of the site visit.

### 4.8 Stressed Vegetation

There was no evidence of vegetation stress at the time of the site visit.

### 4.9 Presence of Fill

No fill was observed at the Site.

### 4.10 Abandoned and Existing Wells

There was no evidence of existing or abandoned wells at the time of the site visit.

### 4.11 Site Services

The Site has no access to electricity, cable, telecommunication, water, sewers, and natural gas.

### 4.12 Pits and Lagoons

No pits or lagoons were observed during the time of the site inspection.

### 4.13 Roads, Easements and Parking Areas

There is access to the Site from Maple Grove Road and Speedsville Road.

### 4.14 Adjacent Sites Conditions / Uses

The adjacent sites conditions and uses are summarized below in Table 5.

*Table 5: Summary of Properties Adjacent to the Site*

| Direction | Location Relative to Inferred Groundwater Flow | Immediately Adjoining Properties | Lands Beyond Adjacent Sites And Additional Comments |
|---|---|---|---|
| North | Up Gradient | Maple Grove road allowance | Agricultural/school/metal products facility |
| East | Cross Gradient | Briardean Road allowance | Residential and agricultural |
| South | Down Gradient | Agricultural | Agricultural |
| West | Cross Gradient | Agricultural | Agricultural |

## 5.0 INTERVIEWS

The Site owner or his representative was not available on June 7, 2018 for an interview.

The Site is situated in a primarily mixed residential and agricultural property use area. Historically the first developed use of the Site was for agricultural purposes before 1945. The Site has remained an agricultural open space since 1945.

## 6.0 SUMMARY OF FINDINGS

The following summary outlines the findings of the Phase 1 ESA:

- The Site is approximately rectangular in shape and is bound by Maple Grove Road Avenue to the north, Briardean Road to the east, Speedsville Road to the west, and undeveloped land to the south. Vacant agricultural lands occupy the south and west adjacent properties, residential developments occupy the east adjacent properties, and vacant agricultural land occupy the north adjacent properties with the exception of a building and a school located at the northwest area across Maple Grove Road. The total size of the Site is approximately 13.88 hectares (34.30 acres) and is legally described as Part of Lot 11, Concession 1, BEASLEY'S LOWER BLK TWP OF WATERLOO AS IN WS650024 EXCEPT PTS 10 & 14 67R2769; CAMBRIDGE.

- At the time of the Landtek's site reconnaissance the site was vacant agricultural land with wooded areas. No building or structures occupied the site.

- The Site has historically been used for agricultural purposes. The surrounding properties to the Site appear to have been primarily agricultural with some residential use since circa 1960, and a school located adjacent to the northwest area of the Site since 2002. The review identified two (2) spill incidents to the northwest corner area of the intersection of Speedsville Road and Maple Grove Road of Site in 1989; 270 L of diesel on the road as result of accident , and 25 L of gasoline on the road as result of unknown cause. A metal products company was identified at the northeast corner area of the intersection of Speedsville Road and Maple Grove Road.

- A review of geological mapping and experience in the area indicates that stratigraphy of the subsurface overburden primarily consists of predominantly subsurface stratigraphy typically of consists of gravel. The bedrock in the area generally consists of sandstone, shale, dolostone, and siltstone of the Guelph Formation.

- There was no evidence of USTs or ASTs at the Site. There was no observed evidence of filler pipes, breather pipes or ground depressions that may indicate the presence of any UST's.

- A fire insurance plan (FIP) search was completed by EcoLog ERIS for the Site and selected surrounding property addresses. No coverage of the Site and surrounding properties were identified.

- No previous environmental reports were available for review during the preparation of this report:

## 7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the future site uses/development plans and the findings of this Phase 1 ESA, it is the opinion of Landtek Limited that there is a requirement to undertake further environmental evaluation of the site with a Limited Phase 2 ESA. This is required in order to address the reported spills and metals production facility adjacent to the northwest area of the Site.

## 8.0 QUALIFICATIONS OF ASSESSOR(S) AND CLOSURE

### Qualifications

Completion of the assessment was conducted by Mr. Henry Erebor, M.Sc., P.Geo. who has over 15 years of related environmental assessment experience including completion of numerous Phase One and Two ESA's and Site Remediation activities.

Paul J Blunt, P.Eng. is a Senior Environmental Engineer with Landtek and has conducted and supervised Phase 1 Environmental Site Assessments for more than 20 years. Mr. Blunt obtained a B.Sc. in Chemical Engineering from University of Windsor in 1987 and is a licensed Professional Engineer in the Province of Ontario. Mr. Blunt has conducted and supervised Phase 1 Environmental Site Assessments over 1500 environmental site assessments on a variety of agricultural, residential, industrial, commercial and industrial properties. Mr. Blunt also has extensive experience in conducting Phase 2 Environmental Site Assessments and is therefore familiar with how to assess potential concerns identified during the Phase 1 ESA. Mr. Blunt has conducted and supervised environmental projects throughout Canada, the United States and Australia.

### Closure

We trust this report is satisfactory for you purposes. If you have any questions regarding our submission, please do not hesitate to contact this office.

Yours truly,

**LANDTEK LIMITED**

Henry Erebor, M.Sc., P.Geo. Paul Blunt, P.Eng., $QP_{ESA}$

# APPENDIX A

## REFERENCES AND REGULATORY DOCUMENTS

# APPENDIX A
# References and Regulatory Documents

## Regulatory Documents

When applicable, situations were noted in this report where the Site, or operations conducted on the Site, do not appear to comply with the applicable regulations.

The following is a list of environmental legislation that may have been referenced for the purposes of this assessment:

- Environmental Assessment Act, R.S.O. 1990, c. E18;
- Environmental Bill of Rights, 1993, S.O. 1993, c. 28;
- Environmental Protection Act, R.S.O. 1990, c. E9;
- Fish and Wildlife Protection Act, 1997, S.O. 1997, c. 41;
- Occupational Health and Safety Act, R.S.O. 1990, c. O1;
- Ontario Water Resources Act, R.S.O. 1990, c. O40;
- Pesticides Act, R.S.O. 1990, c. P11;
- Safe Drinking Water Act, 2002, S.O. 2002, c. 32;
- Technical Standards and Safety Act, 2000, S.O. 2000, c. 16; and
- Waste Management Act, 1992, S.O. 1992, c.1.

# APPENDIX B

## LIMITATION OF THE REPORT

## APPENDIX B
## Limitations of the Report

This report was prepared for the sole use of the Client, their legal counsel, and Client designated and authorized financial and mortgage institutions. It is intended to provide an evaluation of the current environmental conditions at the subject site. Any use of this report, or decisions made based on it, by an unauthorized party, is the responsibility of the unauthorized party. Landtek Limited accepts no responsibility for damages of any type suffered by the unauthorized party as a result of actions or decisions made based on this report.

The conclusions and recommendations given in this report are based on information obtained from various sources noted and a visual examination of the site. It is based on the conditions of the subject property at the time of the field investigation supplemented by a review of historical information to assess environmental conditions at the site reported. Landtek Limited assumes that information provided by others is factual and accurate, and accepts no responsibility for any deficiency, misstatement, of inaccuracy in this report from information provided by others.

Sampling and analysis of soil, groundwater, or other materials was not carried out as part of the scope of work. The findings of the assessment cannot be extended to reflect portions of the site that were unavailable for direct observation by Landtek Limited.

This assessment should not be considered a comprehensive audit that eliminates all risks of encountering environmental problems. There is no warranty expressed or implied by this report concerning the status of the study site.

# APPENDIX C

## GENERAL ENVIRONMENTAL INFORMATION

# APPENDIX C
# General Environmental Information

Appendix C presents general information related to some of the more common hazardous or designated substances that can be found in buildings/building materials. The intent of this information is to present some of the various regulations (see section 11.0) related to the substances addressed and refer to details related to their handling, management, and disposal.

## Asbestos

Asbestos is a common fire retardant and insulating material. Asbestos has been used widely in the past; however, the era from the early 1950s to the 1970s (approximately 1973) was the largest contributor of asbestos as an insulating material. Normally, asbestos does not create a hazard provided the material is laying dormant. However, in situations such as demolition activities or where the material has been deteriorating and becomes friable, asbestos fibres may become airborne, inhalation of which may cause a number of health complications. The use of asbestos in construction materials, such as fire retardant and insulating materials, has been eliminated from commercial use since the late 1970s. Ontario Regulations 837/90 and 838/90 made under the Occupational Health and Safety Act, deal with asbestos and asbestos removal.

### Occurrence

Asbestos can be found in a variety of construction materials. The following is a list of the more common materials that may contain asbestos: acoustic and stucco ceiling materials, automobile brake pads, bulk insulating material in walls and roofs, cementitious board (transite), gaskets for heating equipment, insulation on mechanical equipment (e.g., piping, pipe elbows, boilers), pipe and pipe elbow insulation, roofing felts, some drywall and mortar joint compounds, suspended ceiling tile, vinyl floor tiles, and window caulking.

## Designated Substances

The Occupational Health and Safety Act identifies 11 designated substances and has regulations pertaining to each.

### Occurrence

The following outlines the designated substances identified in the Occupational Health and Safety Act and some of the common uses/occurrences associated with them.

- acrylonitrile – plastics
- arsenic – paints, printing fluids, herbicides and insecticides
- asbestos – insulating and heat resistant material (refer to section on asbestos for details)
- benzene – gasoline and other petroleum fuels
- coke oven emissions – applicable in areas where foundry operations may be an issue
- ethylene oxide – plastics, anti-freeze, agricultural fungicide
- isocyanates – paint, plastics, foam insulation, etc.
- lead – metallic lead may be present in pipes, in the soldering joints of the plumbing system and in paint
- mercury – may be present in hear control equipment (thermostats) and electrical equipment (mercury switches, mercury vapour lamps)
- silica – all cementitious material could contain silica; analysis required to establish type
- vinyl chloride – paint, plastics

**Chlorofluorocarbons – CFC's**

Freon, which is used in air conditioning and refrigerating units, can usually be found as one of the following types: Freon R-12 (ODP level 1.0), Freon R-22 (ODP level 0.05), and Freon R-502 (ODP level 0.33). All types listed above contain CFC's, which are substances known to contribute to the Earth's ozone layer depletion; however, Freon R-22 contains the lowest concentration of CBC as indicated by the ozone-depleting potential (ODP) level.

Halon 1211 (ODP level 3.0) and Halon 1301 (ODP level 10.0) are other CFC type compounds, commonly used in fire extinguishers at facilities where contamination from normal fire extinguishing chemicals is undesirable.

**Lead Based Paints**

As a building construction material, lead has been frequently used in oil based paints as a pigmentation and drying agent, particularly white and pastel shades, some paints contained as much as 50 percent lead by weight. Additionally, lead has been used in roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. In the 1950s other pigments replaced lead, but smaller amounts were still used in some paints as a sealant or to speed up drying.

In 1976, federal government regulations limited the amount of lead in interior pain to 0.5 percent by weight. Exterior paint may contain more lead buy must be labelled with warning signs. Depending on the age of the paint, the lead level may be very high, paints that were produced or used prior the 1980 may contain small amounts of lead, however, paints that were produced or used prior to 1950 may contain high levels of lead.

Exposure to lead can cause a variety of adverse health effects, with children being at greatest risk. The most common route of exposure for both adults and children is ingestion of lead dust generated by deteriorating paint or by removal during renovation activities. Prior to removal of any paints as part of renovation activities, they should be tested for lead content and the removal procedures adjusted accordingly (i.e. do not sand off lead based paints).

**Liquid Industrial Wastes**

For Liquid Industrial Wastes the small quantity exemption for requirement of a MOE hazardous waste generator number is 25 litres per month. If more than 25 litres in a month period, or the accumulated amount of waste on site is over 25 litres, a MOE hazardous waste generator number is required.

**Motor Vehicle Service Station Wastes**

Wastes resulting from the servicing of motor vehicles at retail motor vehicle service stations are exempt from requiring a MOE hazardous waste generator number. These wastes are still defined as Hazardous or Liquid Industrial Wastes and must be handled at appropriately approved facilities. This exemption is limited to retail service stations that have a contract with a licensed carrier to have their wastes, from the servicing of motor vehicles, hauled off-site. Such wastes can include waste crankcase oil from oil storage tanks, water removed from gasoline storage tanks and gasoline contaminated groundwater.

**Mould**

Moulds or fungi are present indoors and outdoors. Exposure to mould may occur indoors on water damaged building materials during occupancy, building maintenance and/or repair operations. The most common types of moulds are generally not hazardous. However, some moulds may be problematic to some people.

**Pigeon Droppings**

Pigeon droppings are known to harbour the fungus cryptococcus neoformans which cause the disease cryptococcosis, a serious respiratory disorder. In addition soils enriched by pigeon droppings roosting overhead can harbour the fungus histoplasma capsulatium which can cause the disease histoplasmosis, another serious respiratory disorder. Both diseases infect humans through inhalation and can be prevented through proper use of respirators when handling contaminated materials.

**Polychlorinated Biphenyls – PCBs**

Polychlorinated biphenyls or PCBs, are typically found in transformers and other electrical equipment containing insulating liquids. The management of PCB waste is regulated by Waste Management – PCBs Regulation, Ontario Regulation 362.

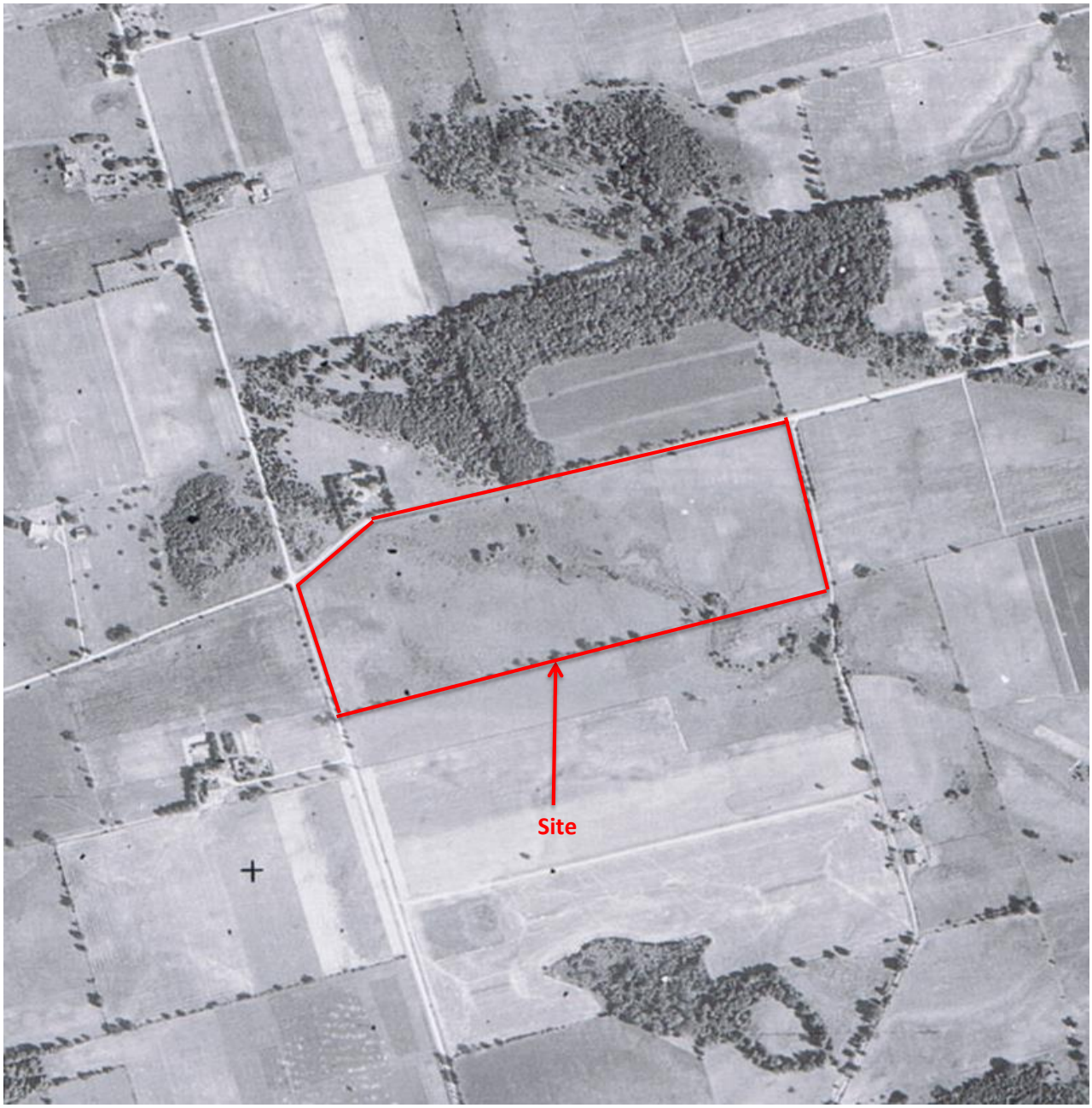
The use of PCBs in electrical equipment was reduced drastically in the early 1970s and has been banned since 1977. However, light ballasts manufactured prior to 1977 may contain PCBs; many are still in service today.

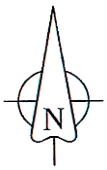
**Occurrence**

PCBs are most commonly found in electrical equipment such as: fluorescent lamp ballasts, capacitors, and transformers.

# APPENDIX D

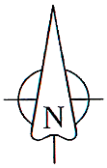
## AERIAL PHOTOGRAPHS



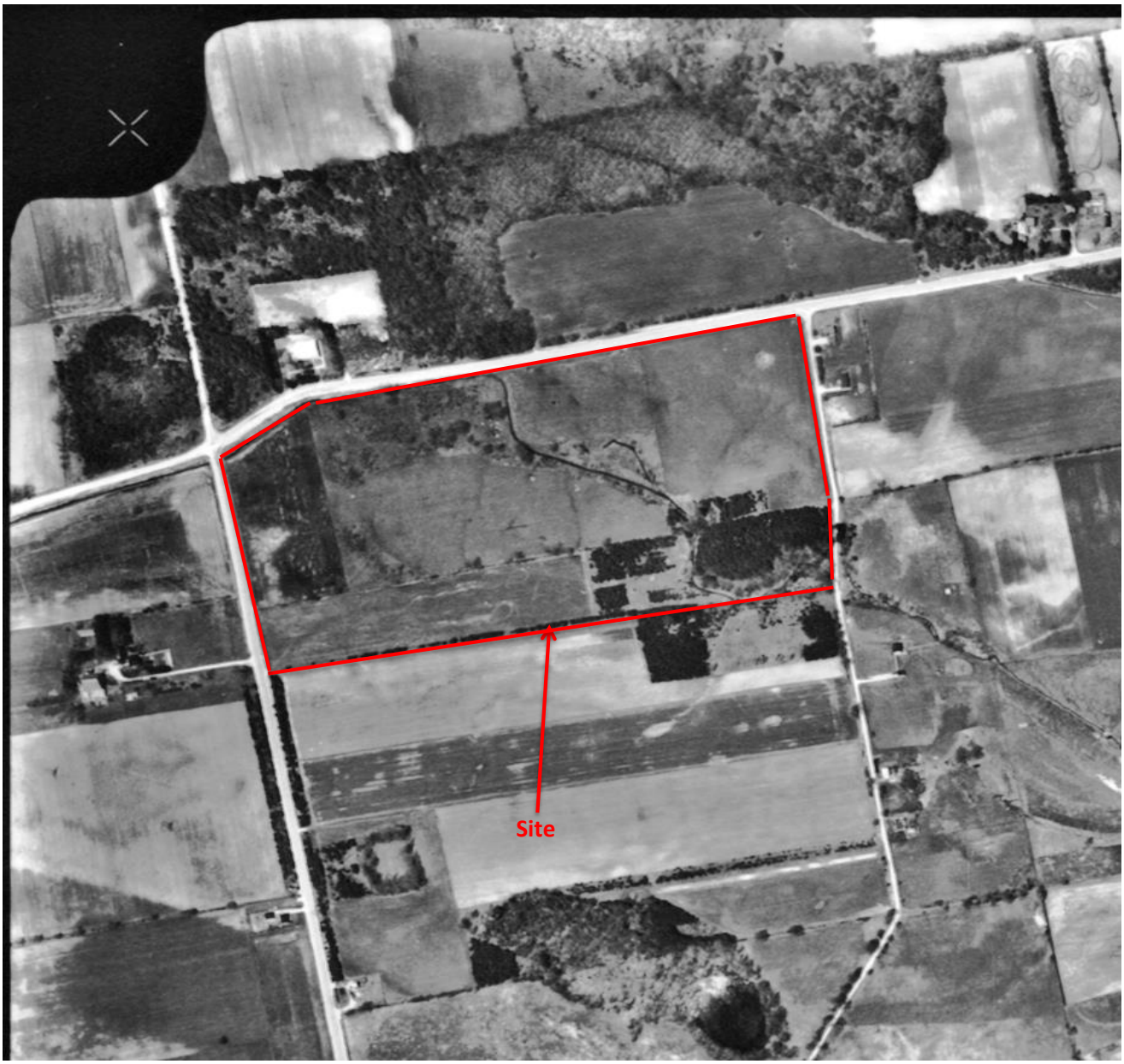

LANDTEK LIMITED

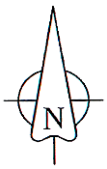
| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 1945 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |

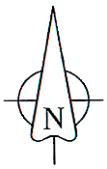

LANDTEK LIMITED

| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 1954 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |



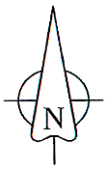




| | | | |
|---|---|---|---|
| LANDTEK LIMITED | | | |
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & | | |
| | Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 1964 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |

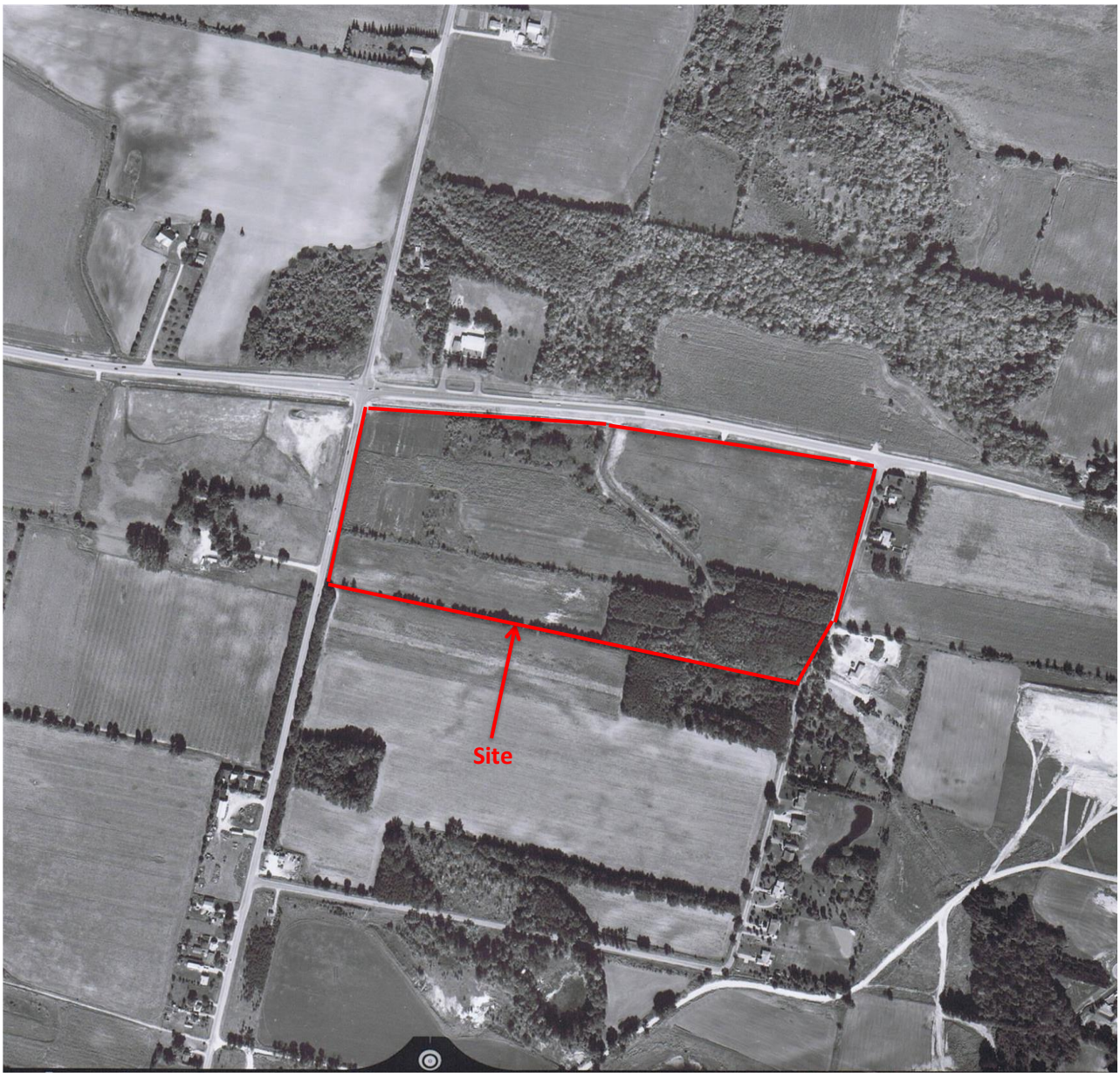

LANDTEK LIMITED

| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 1972 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |


LANDTEK LIMITED

| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 1982 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |





LANDTEK LIMITED

| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 1988 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |


N

LANDTEK LIMITED

| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 2006 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |


N

LANDTEK LIMITED

| | | | |
|---|---|---|---|
| **DRAWING** | Site Location | | |
| **PROJECT** | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| **TITLE** | AERIAL PHOTO - 2012 | | |
| **SCALE** | NTS | | |
| **DATE** | June 2018 | Project No. | **18196** |


N

LANDTEK LIMITED

| | | | |
|---|---|---|---|
| DRAWING | Site Location | | |
| PROJECT | Phase One ESA - Maple Grove Rd. & Speedsville Rd. Cambridge, ON | | |
| TITLE | AERIAL PHOTO - 2017 | | |
| SCALE | NTS | | |
| DATE | June 2018 | Project No. | 18196 |

# APPENDIX E

## ENVIRONMENTAL RISK INFORMATION SYSTEM (ERIS) DATA

ENVIRONMENTAL RISK INFORMATION SERVICE

Head Office: 80 Valleybrook Dr, Toronto, ON M3B 2S9
Physical Address: 38 Lesmill Rd, Toronto, ON M3B 2T5
Phone: 416-510-5204 • Fax: 416-510-5133
info@erisinfo.com • www.erisinfo.com

| **City Directory Information Source** |
|---|
| Vernon's Cambridge, Ontario City Directory |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 2013** | |
| | |
| **Site Listing:** | -A-One Concrete |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Sandstone Aggregates & Landscape Supplies |
| | |
| **1150 Speedsville Road** | -No Return |
| | |
| **1170 Speedsville Road** | -Res (2 Tenants) |
| | |
| **1190 Speedsville Road** | -Gerger Plumbing & Heating |
| | |
| **1240 Speedsville Road** | -No Return |

| | |
|---|---|
| | |
| **1310 Speedsville Road** | -The Battery Shop<br><br>-Res (1 Tenant) |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 2008-09** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1170 Speedsville Road** | -Res (2 Tenants) |
| | |
| **1190 Speedsville Road** | -Gerger Plumbing & Heating |
| | |
| **1240 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1310 Speedsville Road** | -The Battery Shop<br><br>-Res (1 Tenant) |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 2003-04** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1170 Speedsville Road** | -Res (2 Tenants) |
| | |
| **1190 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1240 Speedsville Road** | -No Return |
| | |
| **1310 Speedsville Road** | -The Battery Shop<br><br>-Res (1 Tenant) |


| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |

| | |
|---|---|
| **Year: 1998-99** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1190 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1240 Speedsville Road** | -Res (1 Tenant) |
| | |
| **1310 Speedsville Road** | -Res (1 Tenant) |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1993-94** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |

| | |
|---|---|
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |
| | |
| **1310 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1988** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |

| | |
|---|---|
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |
| | |
| **1310 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1983** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| | |
| **1310 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1978** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |
| | |
| **1310 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |

| | |
|---|---|
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1973** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |
| | |
| **1310 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1968** | |
| | |
| **Site Listing:** | -Address Not Listed |

| | |
|---|---|
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |
| | |
| **1310 Speedsville Road** | -Address Not Listed |

| | |
|---|---|
| **PROJECT NUMBER**: 20180430120 | |
| **Site Address:** | 1285 Speedsville Road, Cambridge, Ontario |
| | |
| **Year: 1962** | |
| | |
| **Site Listing:** | -Address Not Listed |
| | |
| **Adjacent Properties:** | |
| | |
| **1065 Speedsville Road** | -Address Not Listed |
| | |

| | |
|---|---|
| **1150 Speedsville Road** | -Address Not Listed |
| | |
| **1170 Speedsville Road** | -Address Not Listed |
| | |
| **1190 Speedsville Road** | -Address Not Listed |
| | |
| **1240 Speedsville Road** | -Address Not Listed |
| | |
| **1310 Speedsville Road** | -Address Not Listed |

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as “residential” with the number of tenants. The name of the residential tenant is not listed in the above city directory

ENVIRONMENTAL RISK INFORMATION SERVICES

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *SPPEDSVILLE ROAD AND MAPLE GROVE ROAD*<br>*Speedsville Road*<br>*Cambridge ON* |
| **Project No:** | *18196* |
| **Report Type:** | *Standard Report* |
| **Order No:** | *20180606188* |
| **Requested by:** | *Landtek Limited* |
| **Date Completed:** | *June 13, 2018* |

**Environmental Risk Information Services**
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

**www.erisinfo.com**

# Table of Contents

# Executive Summary

***Property Information:***

| | |
|---|---|
| **Project Property:** | *SPPEDSVILLE ROAD AND MAPLE GROVE ROAD*<br>*Speedsville Road  Cambridge ON* |
| **Project No:** | *18196* |

**Coordinates:**

| | |
|---|---|
| **Latitude:** | *43.428478* |
| **Longitude:** | *-80.350719* |
| **UTM Northing:** | *4,808,603.09* |
| **UTM Easting:** | *552,552.66* |
| **UTM Zone:** | *UTM Zone 17T* |

**Elevation:** *993 FT*
*302.52 M*

***Order Information:***

| | |
|---|---|
| **Order No:** | *20180606188* |
| **Date Requested:** | *June 6, 2018* |
| **Requested by:** | *Landtek Limited* |
| **Report Type:** | *Standard Report* |

***Historical/Products:***

| | |
|---|---|
| **City Directory Search** | *CD - Subject Site plus 10 Adjacent Properties* |
| **Insurance Products** | *Fire Insurance Maps/Inspection Reports/Site Plans* |
| **Land Title Search** | *Current Land Title Search* |

# Executive Summary: Report Summary

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

| Database | Name | Searched | Project Property | Within 0.25 km | Total |
|---|---|---|---|---|---|
| MNR | Mineral Occurrences | Y | 0 | 0 | 0 |
| NATE | National Analysis of Trends in Emergencies System (NATES) | Y | 0 | 0 | 0 |
| NCPL | Non-Compliance Reports | Y | 0 | 0 | 0 |
| NDFT | National Defense & Canadian Forces Fuel Tanks | Y | 0 | 0 | 0 |
| NDSP | National Defense & Canadian Forces Spills | Y | 0 | 0 | 0 |
| NDWD | National Defence & Canadian Forces Waste Disposal Sites | Y | 0 | 0 | 0 |
| NEBI | National Energy Board Pipeline Incidents | Y | 0 | 0 | 0 |
| NEBW | National Energy Board Wells | Y | 0 | 0 | 0 |
| NEES | National Environmental Emergencies System (NEES) | Y | 0 | 0 | 0 |
| NPCB | National PCB Inventory | Y | 0 | 0 | 0 |
| NPRI | National Pollutant Release Inventory | Y | 0 | 0 | 0 |
| OGW | Oil and Gas Wells | Y | 0 | 0 | 0 |
| OOGW | Ontario Oil and Gas Wells | Y | 0 | 0 | 0 |
| OPCB | Inventory of PCB Storage Sites | Y | 0 | 0 | 0 |
| ORD | Orders | Y | 0 | 0 | 0 |
| PAP | Canadian Pulp and Paper | Y | 0 | 0 | 0 |
| PCFT | Parks Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PES | Pesticide Register | Y | 0 | 0 | 0 |
| PINC | TSSA Pipeline Incidents | Y | 0 | 0 | 0 |
| PRT | Private and Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| PTTW | Permit to Take Water | Y | 0 | 0 | 0 |
| REC | Ontario Regulation 347 Waste Receivers Summary | Y | 0 | 0 | 0 |
| RSC | Record of Site Condition | Y | 0 | 0 | 0 |
| RST | Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| SCT | Scott's Manufacturing Directory | Y | 0 | 1 | 1 |
| SPL | Ontario Spills | Y | 0 | 2 | 2 |
| SRDS | Wastewater Discharger Registration Database | Y | 0 | 0 | 0 |
| TANK | Anderson's Storage Tanks | Y | 0 | 0 | 0 |
| TCFT | Transport Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| VAR | 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 | 22 | 23 |
| | **Total:** | | 1 | 26 | 27 |

# Executive Summary: Site Report Summary - Project Property

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 1 | WWIS | | ON | -/0.0 | 5.39 | 14 |

# Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 2 | SPL | UNKNOWN | MAPLEGROVE AND SPEEDVILLE<br>CAMBRIDGE CITY ON | W/18.8 | 0.27 | 14 |
| 2 | SPL | LECLAIR FUELS LTD. | SPEEDVALE RD. & MAPLE GROVE TANK TRUCK (CARGO)<br>CAMBRIDGE CITY ON | W/18.8 | 0.27 | 15 |
| 3 | WWIS | | CAMBRIDGE ON | WNW/24.8 | 0.25 | 15 |
| 4 | SCT | MAYFIELD METAL PRODUCTS | 1755 SPEEDSVILLE RD RR 31<br>CAMBRIDGE ON N3H 4R6 | W/32.9 | 0.27 | 18 |
| 5 | WWIS | | lot 11 con 1<br>Cambridge ON | NE/35.0 | 7.42 | 18 |
| 6 | WWIS | | lot 10 con 1<br>ON | SE/37.0 | 2.14 | 22 |
| 7 | WWIS | | lot 11 con 1<br>ON | ENE/76.1 | 9.13 | 26 |
| 8 | WWIS | | lot 10 con 1<br>ON | E/83.1 | 6.01 | 28 |
| 9 | WWIS | | lot 29<br>CAMBRIDGE ON | SW/89.3 | 6.33 | 32 |
| 10 | WWIS | | lot 10 con 1<br>ON | E/91.1 | 2.33 | 33 |
| 11 | WWIS | | lot 9 con 1<br>CITY OF CAMBRIDGE ON | E/115.4 | 8.42 | 36 |
| 12 | WWIS | | CAMBRIDGE ON | SW/120.0 | 6.30 | 42 |
| 13 | WWIS | | CAMBRIDGE ON | SSW/120.2 | 4.64 | 44 |
| 14 | WWIS | | lot 10 con 1<br>ON | ESE/141.7 | 2.27 | 46 |
| 15 | WWIS | | lot 29<br>CAMBRIDGE ON | WSW/158.0 | 3.37 | 49 |
| 16 | WWIS | | CAMBRIDGE ON | S/180.5 | 5.33 | 51 |
| 17 | EHS | | Boxwood Drive<br>Cambridge ON | WSW/195.2 | 3.64 | 54 |
| 18 | WWIS | | ON | ENE/218.7 | 9.39 | 54 |
| 19 | WWIS | | lot 29<br>CAMBRIDGE ON | WSW/220.3 | 2.33 | 55 |
| 20 | WWIS | | lot 10 con 1<br>ON | ESE/239.6 | 3.37 | 56 |
| 21 | WWIS | | lot 10 con 1<br>ON | ESE/246.8 | -3.20 | 59 |
| 21 | WWIS | | lot 10 con 1<br>ON | ESE/246.8 | -3.20 | 62 |
| 21 | WWIS | | lot 10 con 1<br>ON | ESE/246.8 | -3.20 | 65 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 21 | WWIS | | lot 10 con 1<br>ON | ESE/246.8 | -3.20 | 68 |
| 21 | WWIS | | lot 10 con 1<br>ON | ESE/246.8 | -3.20 | 69 |
| 21 | WWIS | | lot 10 con 1<br>ON | ESE/246.8 | -3.20 | 73 |

# Executive Summary: Summary By Data Source

### EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | Boxwood Drive<br>Cambridge ON | WSW | 195.23 | 17 |

### SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| MAYFIELD METAL PRODUCTS | 1755 SPEEDSVILLE RD RR 31<br>CAMBRIDGE ON N3H 4R6 | W | 32.93 | 4 |

### SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2018 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| UNKNOWN | MAPLEGROVE AND SPEEDVILLE<br>CAMBRIDGE CITY ON | W | 18.78 | 2 |
| LECLAIR FUELS LTD. | SPEEDVALE RD. & MAPLE GROVE<br>TANK TRUCK (CARGO)<br>CAMBRIDGE CITY ON | W | 18.78 | 2 |

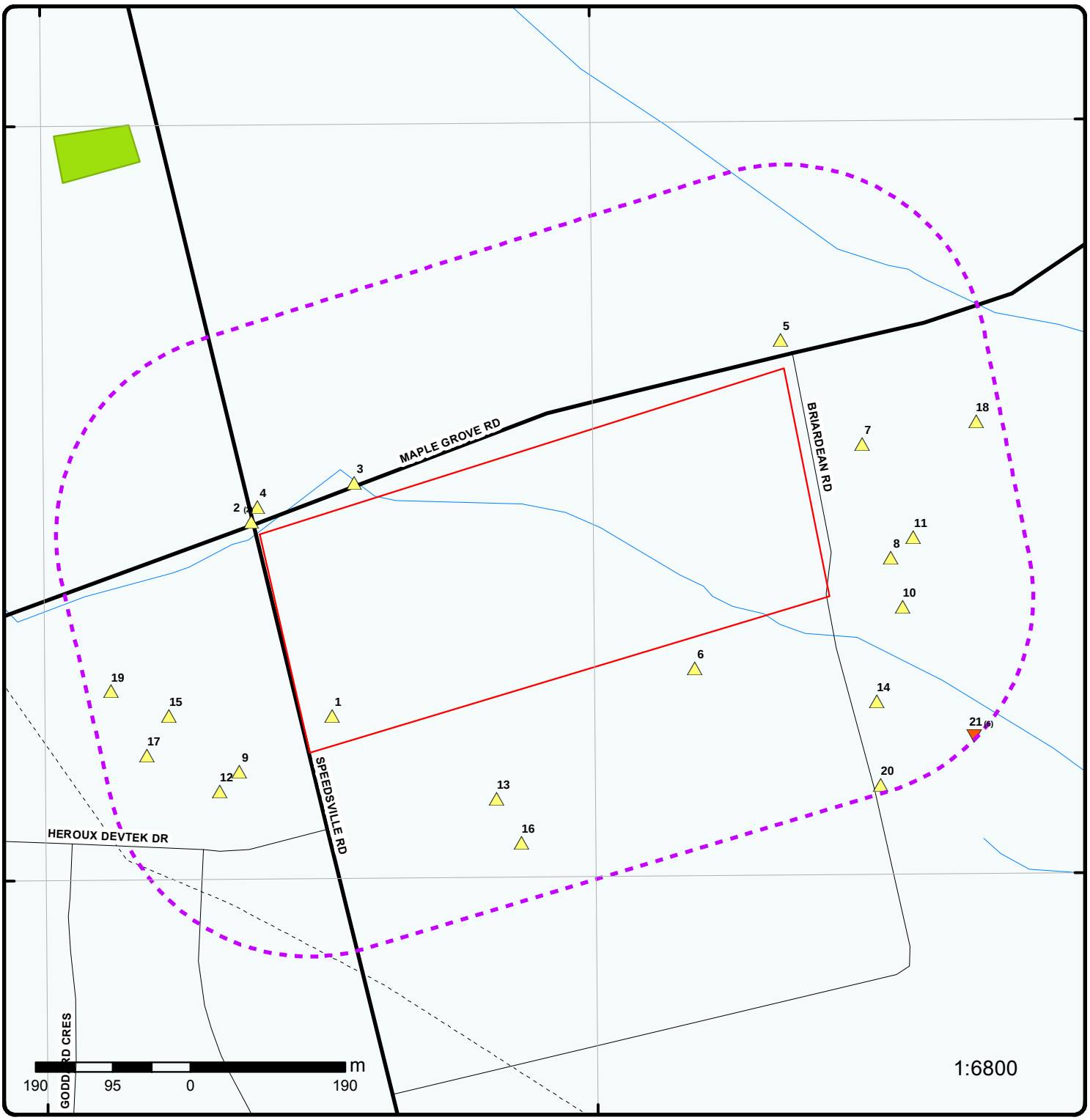
### WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 23 WWIS site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | ON | - | 0.00 | 1 |
| | CAMBRIDGE ON | WNW | 24.83 | 3 |
| | lot 11 con 1<br>Cambridge ON | NE | 35.03 | 5 |
| | lot 10 con 1<br>ON | SE | 37.02 | 6 |
| | lot 11 con 1<br>ON | ENE | 76.05 | 7 |

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | lot 10 con 1<br>ON | E | 83.09 | 8 |
| | lot 29<br>CAMBRIDGE ON | SW | 89.33 | 9 |
| | lot 10 con 1<br>ON | E | 91.15 | 10 |
| | lot 9 con 1<br>CITY OF CAMBRIDGE ON | E | 115.35 | 11 |
| | CAMBRIDGE ON | SW | 119.97 | 12 |
| | CAMBRIDGE ON | SSW | 120.18 | 13 |
| | lot 10 con 1<br>ON | ESE | 141.74 | 14 |
| | lot 29<br>CAMBRIDGE ON | WSW | 157.97 | 15 |
| | CAMBRIDGE ON | S | 180.53 | 16 |
| | ON | ENE | 218.73 | 18 |
| | lot 29<br>CAMBRIDGE ON | WSW | 220.29 | 19 |
| | lot 10 con 1<br>ON | ESE | 239.65 | 20 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | lot 10 con 1<br>ON | ESE | 246.78 | 21 |
| | lot 10 con 1<br>ON | ESE | 246.78 | 21 |
| | lot 10 con 1<br>ON | ESE | 246.78 | 21 |
| | lot 10 con 1<br>ON | ESE | 246.78 | 21 |
| | lot 10 con 1<br>ON | ESE | 246.78 | 21 |
| | lot 10 con 1<br>ON | ESE | 246.78 | 21 |




# Map : 0.25 Kilometer Radius

Order No: 20180606188

Address: Speedsville Road, Cambridge, ON

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

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

**Source:** © 2015 DMTI Spatial Inc.

80°21'W

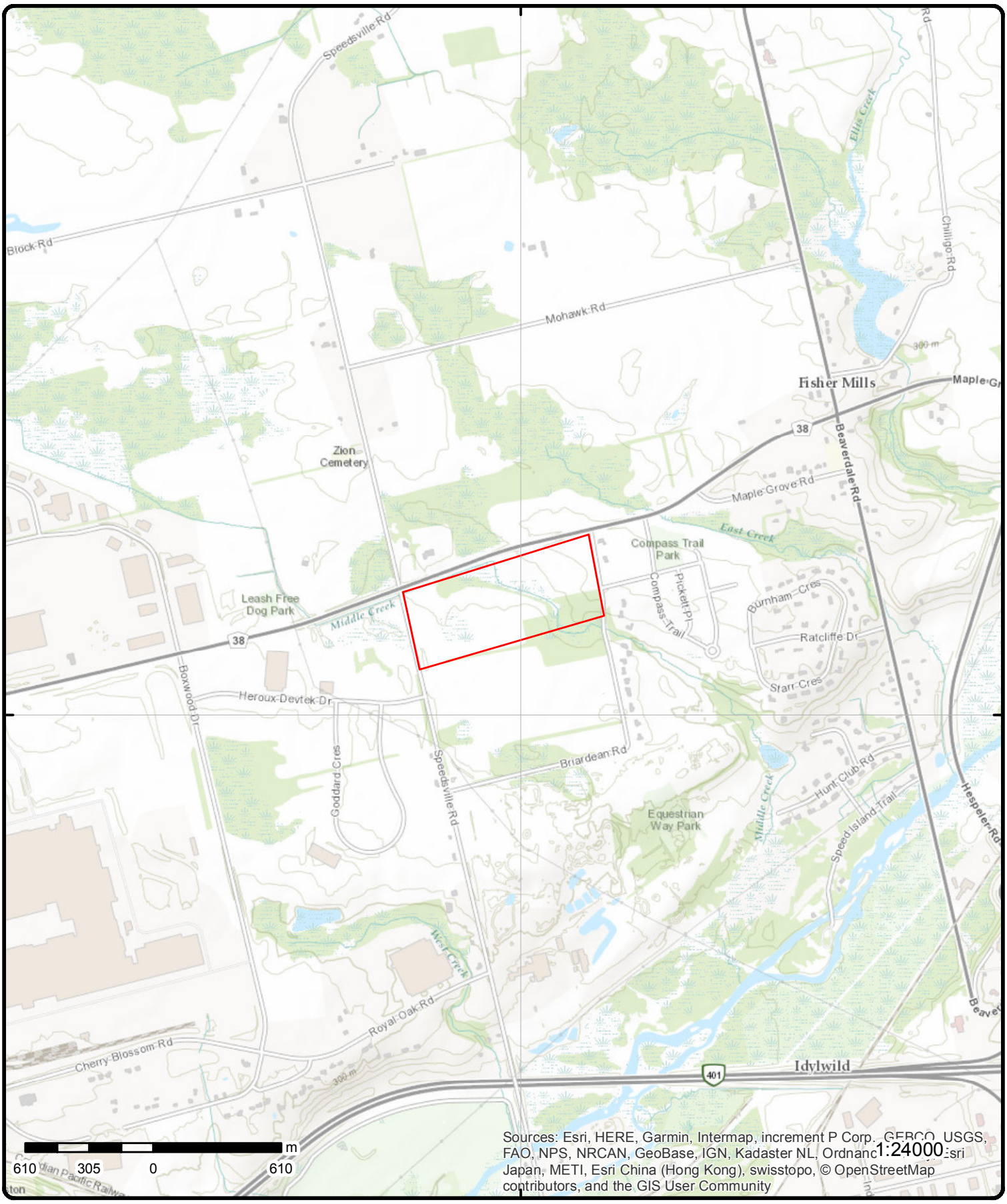

# Aerial (2016)

**Address: Speedsville Road, Cambridge, ON**

**Source:** ESRI World Imagery

Order No: 20180606188

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES




# Topographic Map

**Address: Speedsville Road, Cambridge, ON**

**Source:** ESRI World Topographic Map

Order No: 20180606188

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

# Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 1 | 1 of 1 | -/0.0 | 307.9 / 5.39 | ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7249895 | **Data Entry Status:** | Yes |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | | **Date Received:** | 10/14/2015 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 6607 |
| **Casing Material:** | | **Form Version:** | 8 |
| **Audit No:** | C27568 | **Owner:** | |
| **Tag:** | A179846 | **Street Name:** | |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005736261 | **Elevation:** | 308.21 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | | **East83:** | 552289 |
| **Code OB Desc:** | | **Org CS:** | UTM83 |
| **Open Hole:** | | **North83:** | 4808414 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 16-JUL-15 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 2 | 1 of 2 | W/18.8 | 302.8 / 0.27 | UNKNOWN<br>MAPLEGROVE AND SPEEDVILLE<br>CAMBRIDGE CITY ON | SPL |

| | | | |
|---|---|---|---|
| **Ref No:** | 18546 | **Discharger Report:** | |
| **Site No:** | | **Material Group:** | |
| **Incident Dt:** | 5/15/1989 | **Client Type:** | |
| **Year:** | | **Sector Type:** | |
| **Incident Cause:** | UNKNOWN | **Source Type:** | |
| **Incident Event:** | | **Nearest Watercourse:** | |
| **Contaminant Code:** | | **Site Name:** | |

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

| | | | |
|---|---|---|---|
| **Contaminant Name:** | | **Site Address:** | |
| **Contaminant Limit 1:** | | **Site District Office:** | |
| **Contam Limit Freq 1:** | | **Site County/District:** | |
| **Contaminant UN No 1:** | | **Site Postal Code:** | |
| **Contaminant Qty:** | | **Site Region:** | |
| **Environment Impact:** | | **Site Municipality:** | 25101 |
| **Nature of Impact:** | | **Site Lot:** | |
| **Receiving Medium:** | LAND | **Site Conc:** | |
| **Receiving Env:** | | **Northing:** | |
| **Health/Env Conseq:** | | **Easting:** | F.D. REG.P.D. |
| **MOE Response:** | | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Geo Ref Meth:** | |
| **MOE Reported Dt:** | 5/15/1989 | **Site Map Datum:** | |
| **Dt Document Closed:** | | | |
| **SAC Action Class:** | | | |
| **Incident Reason:** | UNKNOWN | | |
| **Incident Summary:** | 25 L GASOLINE SPILLED TO ROAD. | | |

---

**2** | **2 of 2** | **W/18.8** | **302.8 / 0.27**

***LECLAIR FUELS LTD.***
***SPEEDVALE RD. & MAPLE GROVE TANK TRUCK (CARGO)***
***CAMBRIDGE CITY ON***

***SPL***

| | | | |
|---|---|---|---|
| **Ref No:** | 17876 | **Discharger Report:** | |
| **Site No:** | | **Material Group:** | |
| **Incident Dt:** | 5/1/1989 | **Client Type:** | |
| **Year:** | | **Sector Type:** | |
| **Incident Cause:** | OTHER TRANSPORTATION ACCIDENT | **Source Type:** | |
| **Incident Event:** | | **Nearest Watercourse:** | |
| **Contaminant Code:** | | **Site Name:** | |
| **Contaminant Name:** | | **Site Address:** | |
| **Contaminant Limit 1:** | | **Site District Office:** | |
| **Contam Limit Freq 1:** | | **Site County/District:** | |
| **Contaminant UN No 1:** | | **Site Postal Code:** | |
| **Contaminant Qty:** | | **Site Region:** | |
| **Environment Impact:** | | **Site Municipality:** | 25101 |
| **Nature of Impact:** | | **Site Lot:** | |
| **Receiving Medium:** | LAND | **Site Conc:** | |
| **Receiving Env:** | | **Northing:** | |
| **Health/Env Conseq:** | | **Easting:** | CAMBRIDGE F.D.,WORKS DEPT.,MOE |
| **MOE Response:** | | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Geo Ref Meth:** | |
| **MOE Reported Dt:** | 5/1/1989 | **Site Map Datum:** | |
| **Dt Document Closed:** | | | |
| **SAC Action Class:** | | | |
| **Incident Reason:** | UNKNOWN | | |
| **Incident Summary:** | TRUCK LOST 270L DIESEL FUEL TO ROAD DUE TO ACCI-DENT | | |

---

**3** | **1 of 1** | **WNW/24.8** | **302.8 / 0.25**

***CAMBRIDGE ON***

***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 7054193 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Not Used | **Date Received:** | 12/24/2007 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Observation Wells | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 6032 |
| **Casing Material:** | | **Form Version:** | 3 |
| **Audit No:** | Z66328 | **Owner:** | |
| **Tag:** | A005269 | **Street Name:** | 1030 KING ST |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (PRESTON) |

***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Site Info:***
***Lot:***
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 23054193 | ***Elevation:*** | 303.45 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | | ***East83:*** | 552316 |
| ***Code OB Desc:*** | | ***Org CS:*** | UTM83 |
| ***Open Hole:*** | | ***North83:*** | 4808700 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 3 |
| ***Date Completed:*** | 29-NOV-07 | ***UTMRC Desc:*** | margin of error : 10 - 30 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 30154193 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 3 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 30254193 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 26 |
| ***Most Common Material:*** | ROCK |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 3 |
| ***Formation End Depth:*** | 4.6 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 44008586 |

| | |
|---|---|
| ***Layer:*** | 2 |
| ***Plug From:*** | .3 |
| ***Plug To:*** | 1 |
| ***Plug Depth UOM:*** | m |
| | |
| ***Plug ID:*** | 44008585 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0 |
| ***Plug To:*** | .3 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 25954193 |
| ***Method Construction Code:*** | 6 |
| ***Method Construction:*** | Boring |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 29054193 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 42154193 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0 |
| ***Depth To:*** | 1.5 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 43154193 |
| ***Layer:*** | 1 |
| ***Slot:*** | 010 |
| ***Screen Top Depth:*** | 1.5 |
| ***Screen End Depth:*** | 4.6 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 6 |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 46006644 |
| ***Diameter:*** | 20 |
| ***Depth From:*** | 0 |
| ***Depth To:*** | 3 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |
| | |
| ***Hole ID:*** | 46006645 |
| ***Diameter:*** | 10 |
| ***Depth From:*** | 3 |

**Depth To:** 4.6
**Hole Depth UOM:** m
**Hole Diameter UOM:** cm

---

**4** | **1 of 1** | **W/32.9** | **302.8 / 0.27** | **MAYFIELD METAL PRODUCTS**
**1755 SPEEDSVILLE RD RR 31**
**CAMBRIDGE ON N3H 4R6** | **SCT**

**Established:** 1992
**Plant Size (ft²):** 4000
**Employment:** 4

***--Details--***
**Description:** FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED
**SIC/NAICS Code:** 3499

**Description:** MEASURING AND CONTROLLING DEVICES, NOT ELSEWHERE CLASSIFIED
**SIC/NAICS Code:** 3829

**Description:** Copper Rolling, Drawing, Extruding and Alloying
**SIC/NAICS Code:** 331420

**Description:** All Other Miscellaneous Fabricated Metal Product Manufacturing
**SIC/NAICS Code:** 332999

**Description:** Measuring, Medical and Controlling Devices Manufacturing
**SIC/NAICS Code:** 334512

---

**5** | **1 of 1** | **NE/35.0** | **309.9 / 7.42** | **lot 11 con 1**
**Cambridge ON** | **WWIS**

**Well ID:** 7128513
**Construction Date:**
**Primary Water Use:** Not Used
**Sec. Water Use:**
**Final Well Status:** Abandoned-Other
**Water Type:**
**Casing Material:**
**Audit No:** M04555
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:**
**Date Received:** 8/31/2009
**Selected Flag:** Yes
**Abandonment Rec:** Yes
**Contractor:** 6607
**Form Version:** 5
**Owner:**
**Street Name:** SPEEDSVILLE RD.
**County:** WATERLOO
**Municipality:** CAMBRIDGE CITY (WATERLOO TWP)
**Site Info:**
**Lot:** 011
**Concession:** 01
**Concession Name:** BLB
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 1002818346
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:** This is a record from cluster log sheet
**Date Completed:** 04-AUG-09

**Elevation:**
**Elevrc:**
**Zone:**
**East83:**
**Org CS:**
**North83:**
**UTMRC:** 9
**UTMRC Desc:** unknown UTM

***Remarks:*** ***Location Method:*** na
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1002818350
***Layer:***
***Plug From:***
***Plug To:***
***Plug Depth UOM:***

***Method of Construction & Well Use***

***Method Construction ID:*** 1002818349
***Method Construction Code:***
***Method Construction:***
***Other Method Construction:***

***Hole Diameter***

***Hole ID:*** 1002818348
***Diameter:*** 21
***Depth From:***
***Depth To:*** 7.57
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

***Bore Hole Information***

***Bore Hole ID:*** 1002818336 ***Elevation:***
***DP2BR:*** ***Elevrc:***
***Spatial Status:*** ***Zone:***
***Code OB:*** ***East83:***
***Code OB Desc:*** ***Org CS:***
***Open Hole:*** ***North83:***
***Cluster Kind:*** This is a record from cluster log sheet ***UTMRC:*** 9
***Date Completed:*** 04-AUG-09 ***UTMRC Desc:*** unknown UTM
***Remarks:*** ***Location Method:*** na
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1002818340
***Layer:***
***Plug From:***
***Plug To:***
***Plug Depth UOM:***

***Method of Construction & Well Use***

***Method Construction ID:*** 1002818339
***Method Construction Code:***
***Method Construction:***
***Other Method Construction:***

***Hole Diameter***

***Hole ID:*** 1002818338
***Diameter:*** 21
***Depth From:***
***Depth To:*** 5.33
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

***Bore Hole Information***

***Bore Hole ID:*** 1002818341
***DP2BR:***
***Spatial Status:***
***Code OB:***
***Code OB Desc:***
***Open Hole:***
***Cluster Kind:*** This is a record from cluster log sheet
***Date Completed:*** 04-AUG-09
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***
***Elevation:***
***Elevrc:***
***Zone:***
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1002818345
***Layer:***
***Plug From:***
***Plug To:***
***Plug Depth UOM:***

***Method of Construction & Well Use***

***Method Construction ID:*** 1002818344
***Method Construction Code:***
***Method Construction:***
***Other Method Construction:***

***Hole Diameter***

***Hole ID:*** 1002818343
***Diameter:*** 21
***Depth From:***
***Depth To:*** 4.34
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1002818331 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | |
| ***Code OB:*** | | ***East83:*** | |
| ***Code OB Desc:*** | | ***Org CS:*** | |
| ***Open Hole:*** | | ***North83:*** | |
| ***Cluster Kind:*** | This is a record from cluster log sheet | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 04-AUG-09 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1002818335 |
| ***Layer:*** | |
| ***Plug From:*** | |
| ***Plug To:*** | |
| ***Plug Depth UOM:*** | |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1002818334 |
| ***Method Construction Code:*** | |
| ***Method Construction:*** | |
| ***Other Method Construction:*** | |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1002818333 |
| ***Diameter:*** | 21 |
| ***Depth From:*** | |
| ***Depth To:*** | 4.54 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1002697405 | ***Elevation:*** | 310.98 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | | ***East83:*** | 552839 |
| ***Code OB Desc:*** | | ***Org CS:*** | UTM83 |
| ***Open Hole:*** | | ***North83:*** | 4808876 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 3 |
| ***Date Completed:*** | 04-AUG-09 | ***UTMRC Desc:*** | margin of error : 10 - 30 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

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

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1002818353 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0 |
| ***Plug To:*** | 4.54 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1002818356 |
| ***Method Construction Code:*** | |
| ***Method Construction:*** | |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1002818351 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1002818354 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 5 |
| ***Kind:*** | Not stated |
| ***Water Found Depth:*** | 2.08 |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1002818352 |
| ***Diameter:*** | 21 |
| ***Depth From:*** | 0 |
| ***Depth To:*** | 4.54 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

---

**6** ***1 of 1*** ***SE/37.0*** ***304.7 / 2.14*** ***lot 10 con 1 ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 6503217 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Public | ***Date Received:*** | 6/17/1970 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 2406 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | WATERLOO |
| ***Elevation (m):*** | | ***Municipality:*** | CAMBRIDGE CITY (WATERLOO TWP) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 010 |
| ***Well Depth:*** | | ***Concession:*** | 01 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | BLB |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |

***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10454665 | ***Elevation:*** | 306.18 |
| ***DP2BR:*** | 72 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | r | ***East83:*** | 552734.1 |
| ***Code OB Desc:*** | Bedrock | ***Org CS:*** | |
| ***Open Hole:*** | | ***North83:*** | 4808473 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 21-MAY-70 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | p4 |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932562152 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 1 |
| ***Formation End Depth:*** | 64 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932562151 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 02 |
| ***Most Common Material:*** | TOPSOIL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 1 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932562153 |
| ***Layer:*** | 3 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 09 |
| ***Most Common Material:*** | MEDIUM SAND |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 64 |

***Formation End Depth:*** 72
***Formation End Depth UOM:*** ft

***Formation ID:*** 932562155
***Layer:*** 5
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 26
***Most Common Material:*** ROCK
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 170
***Formation End Depth:*** 197
***Formation End Depth UOM:*** ft

***Formation ID:*** 932562154
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 26
***Most Common Material:*** ROCK
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 72
***Formation End Depth:*** 170
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966503217
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11003235
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930738519
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 197
***Casing Diameter:***
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Casing ID:*** 930738518
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***

| | |
|---|---|
| ***Depth To:*** | 73 |
| ***Casing Diameter:*** | 10 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996503217 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 26 |
| ***Final Level After Pumping:*** | 31 |
| ***Recommended Pump Depth:*** | |
| ***Pumping Rate:*** | 75 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 2 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934860453 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 26 |
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 934335646 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 26 |
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 935123631 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 26 |
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 934605110 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 26 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933941701 |
| ***Layer:*** | 2 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 174 |
| ***Water Found Depth UOM:*** | ft |
| ***Water ID:*** | 933941700 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |

**Water Found Depth:** 140
**Water Found Depth UOM:** ft

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**7** | **1 of 1** | **ENE/76.1** | **311.7 / 9.13** | **lot 11 con 1 ON** | **WWIS**

**Well ID:** 6501166
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:**
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 6/22/1965
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 4819
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** WATERLOO
**Municipality:** CAMBRIDGE CITY (WATERLOO TWP)
**Site Info:**
**Lot:** 011
**Concession:** 01
**Concession Name:** BLB
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 10452621
**DP2BR:**
**Spatial Status:**
**Code OB:** o
**Code OB Desc:** Overburden
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 01-MAR-65
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 312.59
**Elevrc:**
**Zone:** 17
**East83:** 552939.1
**Org CS:**
**North83:** 4808748
**UTMRC:** 5
**UTMRC Desc:** margin of error : 100 m - 300 m
**Location Method:** p5

***Overburden and Bedrock Materials Interval***

**Formation ID:** 932549719
**Layer:** 2
**Color:**
**General Color:**
**Mat1:** 14
**Most Common Material:** HARDPAN
**Mat2:**
**Other Materials:**
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 21
**Formation End Depth:** 49
**Formation End Depth UOM:** ft

**Formation ID:** 932549718

***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 21
***Formation End Depth UOM:*** ft

***Formation ID:*** 932549721
***Layer:*** 4
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 86
***Formation End Depth:*** 88
***Formation End Depth UOM:*** ft

***Formation ID:*** 932549720
***Layer:*** 3
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 49
***Formation End Depth:*** 86
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966501166
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11001191
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930735698
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***

| | |
|---|---|
| **Depth To:** | 88 |
| **Casing Diameter:** | 7 |
| **Casing Diameter UOM:** | inch |
| **Casing Depth UOM:** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| **Pump Test ID:** | 996501166 |
| **Pump Set At:** | |
| **Static Level:** | 40 |
| **Final Level After Pumping:** | 48 |
| **Recommended Pump Depth:** | 60 |
| **Pumping Rate:** | 15 |
| **Flowing Rate:** | |
| **Recommended Pump Rate:** | 13 |
| **Levels UOM:** | ft |
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 1 |
| **Water State After Test:** | CLEAR |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 6 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933939621 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 86 |
| **Water Found Depth UOM:** | ft |

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**8** | ***1 of 1*** | ***E/83.1*** | ***308.5 / 6.01*** | ***lot 10 con 1 ON*** | ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 6506399 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 10/4/1988 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 4207 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 37210 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 010 |
| **Well Depth:** | | **Concession:** | 01 |
| **Overburden/Bedrock:** | | **Concession Name:** | BLB |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10457651 | **Elevation:** | 307.72 |
| **DP2BR:** | 79 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |

| | | | |
|---|---|---|---|
| **Code OB:** | r | **East83:** | 552974.1 |
| **Code OB Desc:** | Bedrock | **Org CS:** | |
| **Open Hole:** | | **North83:** | 4808609 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 27-JUL-88 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | gps |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932577909 |
| **Layer:** | 4 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 79 |
| **Formation End Depth:** | 90 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932577907 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 12 |
| **Other Materials:** | STONES |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 5 |
| **Formation End Depth:** | 65 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932577910 |
| **Layer:** | 5 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 90 |
| **Formation End Depth:** | 110 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932577908 |
| **Layer:** | 3 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | 06 |

| | |
|---|---|
| ***Other Materials:*** | SILT |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 65 |
| ***Formation End Depth:*** | 79 |
| ***Formation End Depth UOM:*** | ft |
| | |
| ***Formation ID:*** | 932577911 |
| ***Layer:*** | 6 |
| ***Color:*** | 1 |
| ***General Color:*** | WHITE |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 110 |
| ***Formation End Depth:*** | 129 |
| ***Formation End Depth UOM:*** | ft |
| | |
| ***Formation ID:*** | 932577906 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 06 |
| ***Other Materials:*** | SILT |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 5 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 966506399 |
| ***Method Construction Code:*** | 4 |
| ***Method Construction:*** | Rotary (Air) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 11006221 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930742442 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 79 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |
| | |
| ***Casing ID:*** | 930742443 |

| | |
|---|---|
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 129 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996506399 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 30 |
| ***Final Level After Pumping:*** | 129 |
| ***Recommended Pump Depth:*** | 120 |
| ***Pumping Rate:*** | 15 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 15 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934865419 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 32 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934333661 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 35 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 935129758 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 32 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934610731 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 33 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933944908 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 127 |
| ***Water Found Depth UOM:*** | ft |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 9 | 1 of 1 | SW/89.3 | 308.9 / 6.33 | lot 29<br>CAMBRIDGE ON | WWIS |

**Well ID:** 7200371
**Construction Date:**
**Primary Water Use:**
**Sec. Water Use:**
**Final Well Status:** 0
**Water Type:**
**Casing Material:**
**Audit No:** Z167327
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:**
**Date Received:** 4/15/2013
**Selected Flag:** Yes
**Abandonment Rec:** Yes
**Contractor:** 7238
**Form Version:** 7
**Owner:**
**Street Name:** 1510 MAPLE GROVE RD
**County:** WATERLOO
**Municipality:** CAMBRIDGE CITY (WATERLOO TWP)
**Site Info:**
**Lot:** 029
**Concession:**
**Concession Name:** BBF
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 1004274954
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 04-APR-13
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 309.48
**Elevrc:**
**Zone:** 17
**East83:** 552175
**Org CS:** UTM83
**North83:** 4808346
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** wwr

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1004826479
**Layer:** 1
**Plug From:** 0
**Plug To:** 15
**Plug Depth UOM:** ft

***Method of Construction & Well Use***

**Method Construction ID:** 1004826478
**Method Construction Code:**
**Method Construction:**
**Other Method Construction:**

***Pipe Information***

**Pipe ID:** 1004826472
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1004826476
**Layer:**
**Material:**
**Open Hole or Material:**
**Depth From:**
**Depth To:**
**Casing Diameter:**
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Screen***

**Screen ID:** 1004826477
**Layer:**
**Slot:**
**Screen Top Depth:**
**Screen End Depth:**
**Screen Material:**
**Screen Depth UOM:** ft
**Screen Diameter UOM:** inch
**Screen Diameter:**

***Water Details***

**Water ID:** 1004826475
**Layer:**
**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** ft

***Hole Diameter***

**Hole ID:** 1004826474
**Diameter:**
**Depth From:**
**Depth To:**
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

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**10** | **1 of 1** | **E/91.1** | **304.9 / 2.33** | **lot 10 con 1 ON** | **WWIS**

**Well ID:** 6506462
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:** 26856
**Tag:**
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 2/14/1989
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 3518
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** WATERLOO
**Municipality:** CAMBRIDGE CITY (WATERLOO TWP)
**Site Info:**

| | | | |
|---|---|---|---|
| ***Depth to Bedrock:*** | | ***Lot:*** | 010 |
| ***Well Depth:*** | | ***Concession:*** | 01 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | BLB |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10457713 | ***Elevation:*** | 304.61 |
| ***DP2BR:*** | 85 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | r | ***East83:*** | 552989.1 |
| ***Code OB Desc:*** | Bedrock | ***Org CS:*** | |
| ***Open Hole:*** | | ***North83:*** | 4808548 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 3 |
| ***Date Completed:*** | 18-MAR-88 | ***UTMRC Desc:*** | margin of error : 10 - 30 m |
| ***Remarks:*** | | ***Location Method:*** | gps |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932578212 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 12 |
| ***Most Common Material:*** | STONES |
| ***Mat2:*** | 28 |
| ***Other Materials:*** | SAND |
| ***Mat3:*** | 77 |
| ***Other Materials:*** | LOOSE |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 10 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932578215 |
| ***Layer:*** | 4 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 12 |
| ***Most Common Material:*** | STONES |
| ***Mat2:*** | 13 |
| ***Other Materials:*** | BOULDERS |
| ***Mat3:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Formation Top Depth:*** | 70 |
| ***Formation End Depth:*** | 85 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932578213 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 12 |
| ***Most Common Material:*** | STONES |

| | |
|---|---|
| ***Mat2:*** | 05 |
| ***Other Materials:*** | CLAY |
| ***Mat3:*** | 77 |
| ***Other Materials:*** | LOOSE |
| ***Formation Top Depth:*** | 10 |
| ***Formation End Depth:*** | 55 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932578214 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 55 |
| ***Formation End Depth:*** | 70 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932578216 |
| ***Layer:*** | 5 |
| ***Color:*** | 3 |
| ***General Color:*** | BLUE |
| ***Mat1:*** | 26 |
| ***Most Common Material:*** | ROCK |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Formation Top Depth:*** | 85 |
| ***Formation End Depth:*** | 103 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 966506462 |
| ***Method Construction Code:*** | 4 |
| ***Method Construction:*** | Rotary (Air) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 11006283 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930742527 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 103 |
| ***Casing Diameter:*** | |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

| | |
|---|---|
| ***Casing ID:*** | 930742526 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 85 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996506462 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 10 |
| ***Final Level After Pumping:*** | 75 |
| ***Recommended Pump Depth:*** | 90 |
| ***Pumping Rate:*** | |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 8 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | |
| ***Pumping Duration MIN:*** | |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934611179 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 10 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933944986 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 103 |
| ***Water Found Depth UOM:*** | ft |

**11** ***1 of 1*** ***E/115.4*** ***310.9 / 8.42*** ***lot 9 con 1 CITY OF CAMBRIDGE ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7253745 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | |
| ***Primary Water Use:*** | Commerical | ***Date Received:*** | 12/8/2015 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 7385 |
| ***Casing Material:*** | | ***Form Version:*** | 7 |
| ***Audit No:*** | Z221369 | ***Owner:*** | |
| ***Tag:*** | A194131 | ***Street Name:*** | 725 BRIARDEAN RD. |
| ***Construction Method:*** | | ***County:*** | WATERLOO |
| ***Elevation (m):*** | | ***Municipality:*** | CAMBRIDGE CITY (WATERLOO TWP) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 009 |

| | | | |
|---|---|---|---|
| ***Well Depth:*** | | ***Concession:*** | 01 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | BLB |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1005832079 | ***Elevation:*** | 310.11 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | | ***East83:*** | 553002 |
| ***Code OB Desc:*** | | ***Org CS:*** | UTM83 |
| ***Open Hole:*** | | ***North83:*** | 4808634 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 18-NOV-15 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005858002 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 20 |
| ***Formation End Depth:*** | 75 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 1005858001 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 20 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 1005858003 |
| ***Layer:*** | 3 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | 28 |

***Other Materials:*** SAND
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 75
***Formation End Depth:*** 80
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1005858037
***Layer:*** 1
***Plug From:*** 0
***Plug To:*** 20
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 1005858036
***Method Construction Code:*** 4
***Method Construction:*** Rotary (Air)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1005857999
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1005858007
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** 18
***Depth To:*** 80
***Casing Diameter:*** 6.25
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Screen***

***Screen ID:*** 1005858008
***Layer:***
***Slot:***
***Screen Top Depth:***
***Screen End Depth:***
***Screen Material:***
***Screen Depth UOM:*** ft
***Screen Diameter UOM:*** inch
***Screen Diameter:***

***Results of Well Yield Testing***

***Pump Test ID:*** 1005858000
***Pump Set At:*** 45
***Static Level:*** 28
***Final Level After Pumping:*** 34

| | |
|---|---|
| ***Recommended Pump Depth:*** | 45 |
| ***Pumping Rate:*** | 15 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 15 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 0 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858015 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 4 |
| ***Test Level:*** | 33 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858018 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 5 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858023 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 20 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858026 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 25 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858027 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858009 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 1 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858013 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 3 |
| ***Test Level:*** | 32 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858019 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 10 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1005858021 |
| ***Test Type:*** | Draw Down |

| | |
|---|---|
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858025 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 25 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858031 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 50 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858033 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858014 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 3 |
| ***Test Level:*** | 29 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858024 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 20 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858012 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 2 |
| ***Test Level:*** | 30 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858028 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858020 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 10 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858022 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858016 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 4 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858030 |
| ***Test Type:*** | Recovery |

| | |
|---|---|
| ***Test Duration:*** | 40 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858032 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 50 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858010 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 1 |
| ***Test Level:*** | 32 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858011 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 2 |
| ***Test Level:*** | 31 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858017 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 5 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858029 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 40 |
| ***Test Level:*** | 34 |
| ***Test Level UOM:*** | ft |
| | |
| ***Pump Test Detail ID:*** | 1005858034 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 28 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005858006 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | 80 |
| ***Water Found Depth UOM:*** | ft |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005858004 |
| ***Diameter:*** | 10 |
| ***Depth From:*** | 0 |
| ***Depth To:*** | 20 |
| ***Hole Depth UOM:*** | ft |
| ***Hole Diameter UOM:*** | inch |
| | |
| ***Hole ID:*** | 1005858005 |
| ***Diameter:*** | 6.25 |
| ***Depth From:*** | 20 |
| ***Depth To:*** | 80 |
| ***Hole Depth UOM:*** | ft |
| ***Hole Diameter UOM:*** | inch |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 12 | 1 of 1 | SW/120.0 | 308.8 / 6.30 | CAMBRIDGE ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7053870 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | | **Date Received:** | 12/13/2007 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Observation Wells | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 7190 |
| **Casing Material:** | | **Form Version:** | 3 |
| **Audit No:** | Z54308 | **Owner:** | |
| **Tag:** | A047941 | **Street Name:** | 5105 SPEEDSVILLE RD. |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 23053870 | **Elevation:** | 309.2 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | | **East83:** | 552151 |
| **Code OB Desc:** | | **Org CS:** | UTM83 |
| **Open Hole:** | | **North83:** | 4808322 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 02-NOV-07 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 30153870 |
| **Layer:** | 1 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 28 |
| **Most Common Material:** | SAND |
| **Mat2:** | 11 |
| **Other Materials:** | GRAVEL |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 20 |
| **Formation End Depth UOM:** | ft |

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 44008384
**Layer:** 2
**Plug From:** 9
**Plug To:** 20
**Plug Depth UOM:** ft

**Plug ID:** 44008385
**Layer:** 1
**Plug From:** 0
**Plug To:** 9
**Plug Depth UOM:** ft

***Method of Construction & Well Use***

**Method Construction ID:** 25953870
**Method Construction Code:** 2
**Method Construction:** Rotary (Convent.)
**Other Method Construction:**

***Pipe Information***

**Pipe ID:** 29053870
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 42153870
**Layer:** 1
**Material:** 5
**Open Hole or Material:** PLASTIC
**Depth From:** 0
**Depth To:** 15
**Casing Diameter:** 2
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Screen***

**Screen ID:** 43153870
**Layer:** 1
**Slot:**
**Screen Top Depth:** 15
**Screen End Depth:** 20
**Screen Material:** 5
**Screen Depth UOM:** ft
**Screen Diameter UOM:** inch
**Screen Diameter:** 2

***Hole Diameter***

**Hole ID:** 46006492
**Diameter:**
**Depth From:** 0
**Depth To:** 4.5
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 13 | 1 of 1 | SSW/120.2 | 307.2 / 4.64 | CAMBRIDGE ON | WWIS |

**Well ID:** 7042092
**Construction Date:**
**Primary Water Use:** Not Used
**Sec. Water Use:**
**Final Well Status:** Observation Wells
**Water Type:**
**Casing Material:**
**Audit No:** Z54491
**Tag:** A044538
**Construction Method:**
**Elevation (m):**
**Elevation Reliability:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Flowing (Y/N):**
**Flow Rate:**
**Clear/Cloudy:**

**Data Entry Status:**
**Data Src:**
**Date Received:** 3/29/2007
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 1737
**Form Version:** 3
**Owner:**
**Street Name:** BRIARDEAR RD & SPEEDSVILLE RD
**County:** WATERLOO
**Municipality:** CAMBRIDGE CITY
**Site Info:**
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Bore Hole Information***

**Bore Hole ID:** 11764589
**DP2BR:**
**Spatial Status:**
**Code OB:** o
**Code OB Desc:** Overburden
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 27-NOV-06
**Remarks:**
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

**Elevation:** 308.81
**Elevrc:**
**Zone:** 17
**East83:** 552491
**Org CS:** UTM83
**North83:** 4808313
**UTMRC:** 3
**UTMRC Desc:** margin of error : 10 - 30 m
**Location Method:** wwr

***Overburden and Bedrock Materials Interval***

**Formation ID:** 933096002
**Layer:** 1
**Color:** 6
**General Color:** BROWN
**Mat1:** 28
**Most Common Material:** SAND
**Mat2:** 11
**Other Materials:** GRAVEL
**Mat3:**
**Other Materials:**
**Formation Top Depth:** 0
**Formation End Depth:** 14
**Formation End Depth UOM:** ft

**Formation ID:** 933096005
**Layer:** 4
**Color:** 2
**General Color:** GREY
**Mat1:** 05

***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:*** 73
***Other Materials:*** HARD
***Formation Top Depth:*** 29
***Formation End Depth:*** 40
***Formation End Depth UOM:*** ft

***Formation ID:*** 933096004
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 11
***Other Materials:*** GRAVEL
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 23
***Formation End Depth:*** 29
***Formation End Depth UOM:*** ft

***Formation ID:*** 933096003
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 14
***Formation End Depth:*** 23
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933316211
***Layer:*** 1
***Plug From:*** 40
***Plug To:*** 22
***Plug Depth UOM:*** ft

***Plug ID:*** 933316212
***Layer:*** 2
***Plug From:*** 22
***Plug To:*** 0
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 967042092
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11772309

***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930897419
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** -3
***Depth To:*** 37
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Screen***

***Screen ID:*** 933423746
***Layer:*** 1
***Slot:*** 12
***Screen Top Depth:*** 37
***Screen End Depth:*** 40
***Screen Material:*** 1
***Screen Depth UOM:*** ft
***Screen Diameter UOM:*** inch
***Screen Diameter:*** 6

***Hole Diameter***

***Hole ID:*** 11850894
***Diameter:*** 9
***Depth From:*** 0
***Depth To:*** 40
***Hole Depth UOM:*** ft
***Hole Diameter UOM:*** inch

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14 **1 of 1** **ESE/141.7** **304.8 / 2.27** **lot 10 con 1 ON** **WWIS**

***Well ID:*** 6505667
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:*** 0
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:***
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 4/1/1985
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 3518
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** CAMBRIDGE CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 010
***Concession:*** 01
***Concession Name:*** BLB
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10456924 | ***Elevation:*** | 305.31 |
| ***DP2BR:*** | 89 | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | r | ***East83:*** | 552957.1 |
| ***Code OB Desc:*** | Bedrock | ***Org CS:*** | |
| ***Open Hole:*** | | ***North83:*** | 4808432 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 3 |
| ***Date Completed:*** | 07-NOV-83 | ***UTMRC Desc:*** | margin of error : 10 - 30 m |
| ***Remarks:*** | | ***Location Method:*** | gps |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932574274 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 17 |
| ***Other Materials:*** | SHALE |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 89 |
| ***Formation End Depth:*** | 120 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932574271 |
| ***Layer:*** | 1 |
| ***Color:*** | 8 |
| ***General Color:*** | BLACK |
| ***Mat1:*** | 02 |
| ***Most Common Material:*** | TOPSOIL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 1 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932574273 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 28 |
| ***Other Materials:*** | SAND |
| ***Mat3:*** | 74 |
| ***Other Materials:*** | LAYERED |
| ***Formation Top Depth:*** | 40 |
| ***Formation End Depth:*** | 89 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932574272 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |

| | |
|---|---|
| ***General Color:*** | GREY |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 1 |
| ***Formation End Depth:*** | 40 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 966505667 |
| ***Method Construction Code:*** | 2 |
| ***Method Construction:*** | Rotary (Convent.) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 11005494 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930741480 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 89 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

| | |
|---|---|
| ***Casing ID:*** | 930741481 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 120 |
| ***Casing Diameter:*** | 5 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996505667 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 75 |
| ***Final Level After Pumping:*** | 100 |
| ***Recommended Pump Depth:*** | 100 |
| ***Pumping Rate:*** | 8 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 8 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |

***Pumping Test Method:***
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 30
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934340650
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 87
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934609063
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 79
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935128569
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 75
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934864257
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 76
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933944093
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 110
***Water Found Depth UOM:*** ft

***Water ID:*** 933944094
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 120
***Water Found Depth UOM:*** ft

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**15** | ***1 of 1*** | ***WSW/158.0*** | ***305.9 / 3.37*** | ***lot 29 CAMBRIDGE ON*** | ***WWIS***

***Well ID:*** 7200373
***Construction Date:***
***Primary Water Use:***
***Sec. Water Use:***
***Final Well Status:*** 0
***Water Type:***
***Casing Material:***
***Audit No:*** Z167322
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***

***Data Entry Status:***
***Data Src:***
***Date Received:*** 4/15/2013
***Selected Flag:*** Yes
***Abandonment Rec:*** Yes
***Contractor:*** 7238
***Form Version:*** 7
***Owner:***
***Street Name:*** 1510 MAPLE GROVE RD
***County:*** WATERLOO
***Municipality:*** CAMBRIDGE CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 029

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

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1004274960 | **Elevation:** | 307.09 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | | **East83:** | 552089 |
| **Code OB Desc:** | | **Org CS:** | UTM83 |
| **Open Hole:** | | **North83:** | 4808414 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 04-APR-13 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| **Plug ID:** | 1004826745 |
| **Layer:** | 1 |
| **Plug From:** | 0 |
| **Plug To:** | 10 |
| **Plug Depth UOM:** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| **Method Construction ID:** | 1004826744 |
| **Method Construction Code:** | |
| **Method Construction:** | |
| **Other Method Construction:** | |

***Pipe Information***

| | |
|---|---|
| **Pipe ID:** | 1004826738 |
| **Casing No:** | 0 |
| **Comment:** | |
| **Alt Name:** | |

***Construction Record - Casing***

| | |
|---|---|
| **Casing ID:** | 1004826742 |
| **Layer:** | |
| **Material:** | |
| **Open Hole or Material:** | |
| **Depth From:** | |
| **Depth To:** | |
| **Casing Diameter:** | |
| **Casing Diameter UOM:** | inch |
| **Casing Depth UOM:** | ft |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1004826743 |
| ***Layer:*** | |
| ***Slot:*** | |
| ***Screen Top Depth:*** | |
| ***Screen End Depth:*** | |
| ***Screen Material:*** | |
| ***Screen Depth UOM:*** | ft |
| ***Screen Diameter UOM:*** | inch |
| ***Screen Diameter:*** | |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1004826741 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | ft |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1004826740 |
| ***Diameter:*** | |
| ***Depth From:*** | |
| ***Depth To:*** | |
| ***Hole Depth UOM:*** | ft |
| ***Hole Diameter UOM:*** | inch |

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**16** ***1 of 1*** ***S/180.5*** ***307.9 / 5.33*** ***CAMBRIDGE ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7042095 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | |
| ***Primary Water Use:*** | Not Used | ***Date Received:*** | 3/29/2007 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Observation Wells | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 1737 |
| ***Casing Material:*** | | ***Form Version:*** | 3 |
| ***Audit No:*** | Z54497 | ***Owner:*** | |
| ***Tag:*** | A044537 | ***Street Name:*** | BRAIRDEEN & SPEEDSVILLE RD |
| ***Construction Method:*** | | ***County:*** | WATERLOO |
| ***Elevation (m):*** | | ***Municipality:*** | CAMBRIDGE CITY |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 11764592 | ***Elevation:*** | 309.08 |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | o | ***East83:*** | 552521 |
| ***Code OB Desc:*** | Overburden | ***Org CS:*** | UTM83 |
| ***Open Hole:*** | | ***North83:*** | 4808259 |

***Cluster Kind:***
***Date Completed:*** 03-DEC-06
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***
***UTMRC:*** 3
***UTMRC Desc:*** margin of error : 10 - 30 m
***Location Method:*** wwr

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 933096012
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:*** 73
***Other Materials:*** HARD
***Formation Top Depth:*** 36
***Formation End Depth:*** 40
***Formation End Depth UOM:*** ft

***Formation ID:*** 933096010
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:*** 87
***Other Materials:*** STONEY
***Formation Top Depth:*** 15
***Formation End Depth:*** 21
***Formation End Depth UOM:*** ft

***Formation ID:*** 933096011
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:*** 73
***Other Materials:*** HARD
***Formation Top Depth:*** 21
***Formation End Depth:*** 36
***Formation End Depth UOM:*** ft

***Formation ID:*** 933096009
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 10
***Most Common Material:*** COARSE SAND
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***

| | |
|---|---|
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 15 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 933316216 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 25 |
| ***Plug To:*** | 0 |
| ***Plug Depth UOM:*** | ft |

| | |
|---|---|
| ***Plug ID:*** | 933316215 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 40 |
| ***Plug To:*** | 25 |
| ***Plug Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 967042095 |
| ***Method Construction Code:*** | 2 |
| ***Method Construction:*** | Rotary (Convent.) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 11772312 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930897424 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | -3 |
| ***Depth To:*** | 37 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 933423747 |
| ***Layer:*** | 1 |
| ***Slot:*** | 12 |
| ***Screen Top Depth:*** | 37 |
| ***Screen End Depth:*** | 40 |
| ***Screen Material:*** | 1 |
| ***Screen Depth UOM:*** | ft |
| ***Screen Diameter UOM:*** | inch |
| ***Screen Diameter:*** | 6 |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 11850899 |

| | |
|---|---|
| **Diameter:** | 9 |
| **Depth From:** | 0 |
| **Depth To:** | 40 |
| **Hole Depth UOM:** | ft |
| **Hole Diameter UOM:** | inch |

**17** **1 of 1** **WSW/195.2** **306.2 / 3.64** **Boxwood Drive Cambridge ON** **EHS**

| | | | |
|---|---|---|---|
| **Order ID:** | 441308 | **Date Received:** | 25-JAN-16 |
| **Order No:** | 20160125111 | **Lot/Building Size:** | |
| **Customer ID:** | 97247 | **Municipality:** | |
| **Company ID:** | 23366 | **Client Prov/State:** | ON |
| **Status:** | C | **Search Radius (km):** | .25 |
| **Report Code:** | 2CAN | **Large Radius:** | .3 |
| **Report Type:** | Standard Select Report | **X:** | -80.356806 |
| **Report Date:** | 01-FEB-16 | **Y:** | 43.426376 |
| **Report Requested by:** | Chung & Vander Doelen | | |
| **Nearest Intersection:** | | | |
| **Previous Site Name:** | | | |
| **Additional Info Ordered:** | | | |

**18** **1 of 1** **ENE/218.7** **311.9 / 9.39** **ON** **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 7204033 | **Data Entry Status:** | Yes |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | | **Date Received:** | 6/28/2013 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 6607 |
| **Casing Material:** | | **Form Version:** | 8 |
| **Audit No:** | C20857 | **Owner:** | |
| **Tag:** | A141585 | **Street Name:** | |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1004384721 | **Elevation:** | 311.75 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | | **East83:** | 553079 |
| **Code OB Desc:** | | **Org CS:** | UTM83 |
| **Open Hole:** | | **North83:** | 4808776 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 21-MAY-13 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |

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

**Supplier Comment:**

---

**19** **1 of 1** **WSW/220.3** **304.9 / 2.33** **lot 29 CAMBRIDGE ON** **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 7200372 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | | **Date Received:** | 4/15/2013 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | 0 | **Abandonment Rec:** | Yes |
| **Water Type:** | | **Contractor:** | 7238 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z167323 | **Owner:** | |
| **Tag:** | | **Street Name:** | 1510 MAPLE GROVE RD |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 029 |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | BBF |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1004274957 | **Elevation:** | 305.74 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | | **East83:** | 552018 |
| **Code OB Desc:** | | **Org CS:** | UTM83 |
| **Open Hole:** | | **North83:** | 4808445 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 04-APR-13 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| **Plug ID:** | 1004826737 |
| **Layer:** | 1 |
| **Plug From:** | 0 |
| **Plug To:** | 15 |
| **Plug Depth UOM:** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| **Method Construction ID:** | 1004826736 |
| **Method Construction Code:** | |
| **Method Construction:** | |
| **Other Method Construction:** | |

***Pipe Information***

**Pipe ID:** 1004826730
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1004826734
**Layer:**
**Material:**
**Open Hole or Material:**
**Depth From:**
**Depth To:**
**Casing Diameter:**
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Screen***

**Screen ID:** 1004826735
**Layer:**
**Slot:**
**Screen Top Depth:**
**Screen End Depth:**
**Screen Material:**
**Screen Depth UOM:** ft
**Screen Diameter UOM:** inch
**Screen Diameter:**

***Water Details***

**Water ID:** 1004826733
**Layer:**
**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** ft

***Hole Diameter***

**Hole ID:** 1004826732
**Diameter:**
**Depth From:**
**Depth To:**
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

---

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**Well ID:** 6505944
**Construction Date:**
**Primary Water Use:** Domestic
**Sec. Water Use:** 0
**Final Well Status:** Water Supply
**Water Type:**
**Casing Material:**
**Audit No:** NA
**Tag:**
**Construction Method:**
**Elevation (m):**

**Data Entry Status:**
**Data Src:** 1
**Date Received:** 3/16/1987
**Selected Flag:** Yes
**Abandonment Rec:**
**Contractor:** 4207
**Form Version:** 1
**Owner:**
**Street Name:**
**County:** WATERLOO
**Municipality:** CAMBRIDGE CITY (WATERLOO TWP)

| | | | |
|---|---|---|---|
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 010 |
| **Well Depth:** | | **Concession:** | 01 |
| **Overburden/Bedrock:** | | **Concession Name:** | BLB |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10457196 | **Elevation:** | 306.8 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | o | **East83:** | 552962.1 |
| **Code OB Desc:** | Overburden | **Org CS:** | |
| **Open Hole:** | | **North83:** | 4808330 |
| **Cluster Kind:** | | **UTMRC:** | 3 |
| **Date Completed:** | 26-JUL-86 | **UTMRC Desc:** | margin of error : 10 - 30 m |
| **Remarks:** | | **Location Method:** | gps |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932575797 |
| **Layer:** | 3 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 11 |
| **Other Materials:** | GRAVEL |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 40 |
| **Formation End Depth:** | 80 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932575796 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | 28 |
| **Other Materials:** | SAND |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 10 |
| **Formation End Depth:** | 40 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932575798 |
| **Layer:** | 4 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 11 |

***Most Common Material:*** GRAVEL
***Mat2:*** 05
***Other Materials:*** CLAY
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 80
***Formation End Depth:*** 86
***Formation End Depth UOM:*** ft

***Formation ID:*** 932575795
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 10
***Formation End Depth UOM:*** ft

***Formation ID:*** 932575799
***Layer:*** 5
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 86
***Formation End Depth:*** 88
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966505944
***Method Construction Code:*** 4
***Method Construction:*** Rotary (Air)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11005766
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930741849
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 88
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996505944 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 40 |
| ***Final Level After Pumping:*** | 85 |
| ***Recommended Pump Depth:*** | |
| ***Pumping Rate:*** | 15 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 15 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934610052 |
| ***Test Type:*** | |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 40 |
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 934332472 |
| ***Test Type:*** | |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 44 |
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 934864378 |
| ***Test Type:*** | |
| ***Test Duration:*** | 45 |
| ***Test Level:*** | 40 |
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 935129118 |
| ***Test Type:*** | |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 40 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933944391 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 88 |
| ***Water Found Depth UOM:*** | ft |

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|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| ***Well ID:*** | 6507518 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 11/22/1993 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |

| | | | |
|---|---|---|---|
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 4207 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 124267 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 010 |
| **Well Depth:** | | **Concession:** | 01 |
| **Overburden/Bedrock:** | | **Concession Name:** | BLB |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10458731 | **Elevation:** | 300.4 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | o | **East83:** | 553076.6 |
| **Code OB Desc:** | Overburden | **Org CS:** | |
| **Open Hole:** | | **North83:** | 4808390 |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 03-JUN-93 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | lot |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932583709 |
| **Layer:** | 3 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 65 |
| **Formation End Depth:** | 67 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932583707 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 11 |
| **Other Materials:** | GRAVEL |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 52 |

| | |
|---|---|
| ***Formation End Depth UOM:*** | ft |
| ***Formation ID:*** | 932583708 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 52 |
| ***Formation End Depth:*** | 65 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 966507518 |
| ***Method Construction Code:*** | 4 |
| ***Method Construction:*** | Rotary (Air) |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 11007301 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930743938 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 67 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996507518 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 16 |
| ***Final Level After Pumping:*** | 65 |
| ***Recommended Pump Depth:*** | 60 |
| ***Pumping Rate:*** | 15 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 15 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

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

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934345067
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 16
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934604112
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 16
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935123645
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 16
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934858879
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 16
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933945966
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 67
***Water Found Depth UOM:*** ft

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|---|---|---|---|---|---|

***Well ID:*** 6507520
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 093911
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 11/22/1993
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 4207
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** CAMBRIDGE CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 010
***Concession:*** 01
***Concession Name:*** BLB
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10458733
***DP2BR:***
***Elevation:*** 300.4
***Elevrc:***

| | | | |
|---|---|---|---|
| ***Spatial Status:*** | | ***Zone:*** | 17 |
| ***Code OB:*** | o | ***East83:*** | 553076.6 |
| ***Code OB Desc:*** | Overburden | ***Org CS:*** | |
| ***Open Hole:*** | | ***North83:*** | 4808390 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 08-JUN-93 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | lot |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932583715 |
| ***Layer:*** | 3 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | 06 |
| ***Other Materials:*** | SILT |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 78 |
| ***Formation End Depth:*** | 90 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583713 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 11 |
| ***Other Materials:*** | GRAVEL |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0 |
| ***Formation End Depth:*** | 61 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583716 |
| ***Layer:*** | 4 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 90 |
| ***Formation End Depth:*** | 92 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583714 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |

***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 61
***Formation End Depth:*** 78
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966507520
***Method Construction Code:*** 4
***Method Construction:*** Rotary (Air)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11007303
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930743940
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 92
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 996507520
***Pump Set At:***
***Static Level:*** 27
***Final Level After Pumping:*** 90
***Recommended Pump Depth:*** 80
***Pumping Rate:*** 15
***Flowing Rate:***
***Recommended Pump Rate:*** 15
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 23
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934604114
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 27
***Test Level UOM:*** ft

| | |
|---|---|
| **Pump Test Detail ID:** | 934345069 |
| **Test Type:** | |
| **Test Duration:** | 15 |
| **Test Level:** | 30 |
| **Test Level UOM:** | ft |
| **Pump Test Detail ID:** | 934858881 |
| **Test Type:** | |
| **Test Duration:** | 45 |
| **Test Level:** | 27 |
| **Test Level UOM:** | ft |
| **Pump Test Detail ID:** | 935123647 |
| **Test Type:** | |
| **Test Duration:** | 60 |
| **Test Level:** | 27 |
| **Test Level UOM:** | ft |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933945968 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 92 |
| **Water Found Depth UOM:** | ft |

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| | | | |
|---|---|---|---|
| **Well ID:** | 6507341 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 12/3/1992 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 4207 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 093877 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 010 |
| **Well Depth:** | | **Concession:** | 01 |
| **Overburden/Bedrock:** | | **Concession Name:** | BLB |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10458587 | **Elevation:** | 300.4 |
| **DP2BR:** | 77 | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | r | **East83:** | 553076.6 |
| **Code OB Desc:** | Bedrock | **Org CS:** | |
| **Open Hole:** | | **North83:** | 4808390 |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 05-OCT-92 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | lot |
| **Elevrc Desc:** | | | |

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932582955
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 35
***Formation End Depth:*** 77
***Formation End Depth UOM:*** ft

***Formation ID:*** 932582954
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:*** 05
***Other Materials:*** CLAY
***Formation Top Depth:*** 0
***Formation End Depth:*** 35
***Formation End Depth UOM:*** ft

***Formation ID:*** 932582956
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 77
***Formation End Depth:*** 187
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966507341
***Method Construction Code:*** 4
***Method Construction:*** Rotary (Air)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11007157
***Casing No:*** 1

***Comment:***
***Alt Name:***

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930743749 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 77 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

| | |
|---|---|
| ***Casing ID:*** | 930743750 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 187 |
| ***Casing Diameter:*** | 6 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 996507341 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 70 |
| ***Final Level After Pumping:*** | 187 |
| ***Recommended Pump Depth:*** | 185 |
| ***Pumping Rate:*** | 7 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 7 |
| ***Levels UOM:*** | ft |
| ***Rate UOM:*** | GPM |
| ***Water State After Test Code:*** | 1 |
| ***Water State After Test:*** | CLEAR |
| ***Pumping Test Method:*** | 1 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | N |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934344984 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 115 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 934612400 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 75 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| ***Pump Test Detail ID:*** | 935123158 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 70 |
| ***Test Level UOM:*** | ft |

| | |
|---|---|
| **Pump Test Detail ID:** | 934866608 |
| **Test Type:** | Recovery |
| **Test Duration:** | 45 |
| **Test Level:** | 71 |
| **Test Level UOM:** | ft |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933945819 |
| **Layer:** | 2 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 155 |
| **Water Found Depth UOM:** | ft |

| | |
|---|---|
| **Water ID:** | 933945818 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 105 |
| **Water Found Depth UOM:** | ft |

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**21** | **4 of 6** | **ESE/246.8** | **299.3 / -3.20** | **lot 10 con 1 ON** | **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 6507546 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | | **Date Received:** | 1/4/1994 |
| **Sec. Water Use:** | | **Selected Flag:** | Yes |
| **Final Well Status:** | | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 4207 |
| **Casing Material:** | | **Form Version:** | 1 |
| **Audit No:** | 124218 | **Owner:** | |
| **Tag:** | | **Street Name:** | |
| **Construction Method:** | | **County:** | WATERLOO |
| **Elevation (m):** | | **Municipality:** | CAMBRIDGE CITY (WATERLOO TWP) |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | 010 |
| **Well Depth:** | | **Concession:** | 01 |
| **Overburden/Bedrock:** | | **Concession Name:** | BLB |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10458759 | **Elevation:** | 300.4 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | _ | **East83:** | 553076.6 |
| **Code OB Desc:** | No formation data | **Org CS:** | |
| **Open Hole:** | | **North83:** | 4808390 |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 04-JUN-93 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | lot |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |

***Supplier Comment:***

***Method of Construction & Well Use***

***Method Construction ID:*** 966507546
***Method Construction Code:*** 0
***Method Construction:*** Not Known
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11007329
***Casing No:*** 1
***Comment:***
***Alt Name:***

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**21** | ***5 of 6*** | ***ESE/246.8*** | ***299.3 / -3.20*** | ***lot 10 con 1 ON*** | ***WWIS***

***Well ID:*** 6507457
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 122470
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 8/31/1993
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1737
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** CAMBRIDGE CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 010
***Concession:*** 01
***Concession Name:*** BLB
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10458672
***DP2BR:*** 62
***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 25-MAY-93
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Elevation:*** 300.4
***Elevrc:***
***Zone:*** 17
***East83:*** 553076.6
***Org CS:***
***North83:*** 4808390
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** lot

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 932583424 |
| ***Layer:*** | 10 |
| ***Color:*** | 3 |
| ***General Color:*** | BLUE |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 78 |
| ***Other Materials:*** | MEDIUM-GRAINED |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 249 |
| ***Formation End Depth:*** | 255 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583423 |
| ***Layer:*** | 9 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 78 |
| ***Other Materials:*** | MEDIUM-GRAINED |
| ***Mat3:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Formation Top Depth:*** | 203 |
| ***Formation End Depth:*** | 249 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583421 |
| ***Layer:*** | 7 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | 73 |
| ***Other Materials:*** | HARD |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 62 |
| ***Formation End Depth:*** | 83 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583418 |
| ***Layer:*** | 4 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 31 |
| ***Other Materials:*** | COARSE GRAVEL |
| ***Mat3:*** | 05 |
| ***Other Materials:*** | CLAY |
| ***Formation Top Depth:*** | 14 |
| ***Formation End Depth:*** | 29 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 932583415 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 02 |
| ***Most Common Material:*** | TOPSOIL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |

***Formation Top Depth:*** 0
***Formation End Depth:*** 1
***Formation End Depth UOM:*** ft

***Formation ID:*** 932583420
***Layer:*** 6
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:*** 72
***Other Materials:*** GRAVELLY
***Mat3:*** 73
***Other Materials:*** HARD
***Formation Top Depth:*** 56
***Formation End Depth:*** 62
***Formation End Depth UOM:*** ft

***Formation ID:*** 932583416
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 05
***Other Materials:*** CLAY
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 1
***Formation End Depth:*** 9
***Formation End Depth UOM:*** ft

***Formation ID:*** 932583422
***Layer:*** 8
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 83
***Formation End Depth:*** 203
***Formation End Depth UOM:*** ft

***Formation ID:*** 932583417
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 9
***Formation End Depth:*** 14
***Formation End Depth UOM:*** ft

***Formation ID:*** 932583419
***Layer:*** 5
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY

***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 29
***Formation End Depth:*** 56
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966507457
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11007242
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930743861
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 255
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Casing ID:*** 930743860
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 63
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 996507457
***Pump Set At:***
***Static Level:*** 46
***Final Level After Pumping:*** 95
***Recommended Pump Depth:*** 125
***Pumping Rate:*** 20
***Flowing Rate:***
***Recommended Pump Rate:*** 15
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 30

***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934604080
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 63
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934345034
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 95
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935123195
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 46
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934858847
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 51
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933945901
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 154
***Water Found Depth UOM:*** ft

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**21** | ***6 of 6*** | ***ESE/246.8*** | ***299.3 / -3.20*** | ***lot 10 con 1 ON*** | ***WWIS***

***Well ID:*** 6507519
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 124266
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 11/22/1993
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 4207
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** CAMBRIDGE CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 010
***Concession:*** 01
***Concession Name:*** BLB
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10458732 | **Elevation:** | 300.4 |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 17 |
| **Code OB:** | o | **East83:** | 553076.6 |
| **Code OB Desc:** | Overburden | **Org CS:** | |
| **Open Hole:** | | **North83:** | 4808390 |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 04-JUN-93 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | lot |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 932583711 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 50 |
| **Formation End Depth:** | 63 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932583710 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 11 |
| **Other Materials:** | GRAVEL |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0 |
| **Formation End Depth:** | 50 |
| **Formation End Depth UOM:** | ft |

| | |
|---|---|
| **Formation ID:** | 932583712 |
| **Layer:** | 3 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 63 |
| **Formation End Depth:** | 67 |
| **Formation End Depth UOM:** | ft |

***Method of Construction & Well Use***

***Method Construction ID:*** 966507519
***Method Construction Code:*** 4
***Method Construction:*** Rotary (Air)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11007302
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930743939
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 67
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 996507519
***Pump Set At:***
***Static Level:*** 14
***Final Level After Pumping:*** 65
***Recommended Pump Depth:*** 60
***Pumping Rate:*** 15
***Flowing Rate:***
***Recommended Pump Rate:*** 15
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934858880
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 14
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935123646
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 14
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934345068
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 15

| | |
|---|---|
| ***Test Level UOM:*** | ft |
| ***Pump Test Detail ID:*** | 934604113 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 14 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933945967 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 67 |
| ***Water Found Depth UOM:*** | ft |

# Unplottable Summary

**Total: 23 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Postal |
|---|---|---|---|---|
| CA | | Maple Grove Road | Cambridge ON | |
| CA | Maple Grove Industrial Subdivision - Phase 2 | Maple Grove Road | Cambridge ON | |
| CA | | Maple Grove Road Extension | Cambridge ON | |
| CA | R.M. OF WATERLOO | MAPLE GROVE RD. KITCHENER CITY | CAMBRIDGE CITY ON | |
| CA | Maple Grove Industrial Subdivision - Phase 2 | Maple Grove Road | Cambridge ON | |
| CA | R.M. OF WATERLOO | P.S. MAPLE GROVE RD. | CAMBRIDGE CITY ON | |
| CA | | Maple Grove Road | Cambridge ON | |
| CA | | Maple Grove Road | Cambridge ON | |
| CA | Maple Grove Road, City of Cambridge | Maple Grove Road Extension | Cambridge ON | |
| CA | CAMBRIDGE CITY MAPLE GROVE RD. | MAPLE GROVE RD. | CAMBRIDGE CITY ON | |
| EBR | Hunt Club Valley Inc, c/o Starward Homes, | Part Lot 7-10, Concession 1. East side of Speedsville Road between the Speed River and Briadean Road, Hespeler West Planning Area, City of Cambridge. CITY | OF CAMBRIDGE ON | |
| EBR | Hunt Club Valley Inc. | Part Lot 10 & 11, 1 Beasley's Lower Block, City of Cambridge, Region of Waterloo. CITY OF CAMBRIDGE | ON | |
| EBR | Emily Harper Corporation, | Part of Lot 10 and 11, Beasley's Lower Block CITY OF CAMBRIDGE | ON | |
| EBR | Hunt Club Valley Inc, c/o Starward Homes, | Part Lot 7-10, Concession 1. East side of Speedsville Road between the Speed River and Briadean Road, Hespeler West Planning Area, City of Cambridge. CITY | OF CAMBRIDGE ON | |
| ECA | The Corporation of the City of Cambridge | Speedsville | Cambridge ON | N1R 8S1 |
| SPL | PRIVATE RESIDENCE | BRIARDEAN ROAD (N.O.S.) | CAMBRIDGE CITY ON | N3H 4R6 |

| | | |
|---|---|---|
| WWIS | lot 11 | ON |
| WWIS | lot 30 | ON |
| WWIS | lot 29 | ON |
| WWIS | lot 10 | ON |
| WWIS | lot 10 | ON |
| WWIS | lot 10 | ON |
| WWIS | lot 11 | ON |

# Unplottable Report

***Site:***
***Maple Grove Road  Cambridge ON***

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

| | |
|---|---|
| ***Certificate #:*** | 8776-4WYSW6 |
| ***Application Year:*** | 01 |
| ***Issue Date:*** | 6/4/01 |
| ***Approval Type:*** | Municipal & Private sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | New Certificate of Approval |
| ***Client Name::*** | Corporation of the City of Cambridge |
| ***Client Address::*** | 73 Water Street North, P.O. Box 669 |
| ***Client City::*** | Cambridge |
| ***Client Postal Code::*** | N1R 5W8 |
| ***Project Description::*** | Construction of a Sanitary Sewer |
| ***Contaminants::*** | |
| ***Emission Control::*** | |

***Site:*** ***Maple Grove Industrial Subdivision - Phase 2***
***Maple Grove Road  Cambridge ON***

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

| | |
|---|---|
| ***Certificate #:*** | 3057-4ZDNQA |
| ***Application Year:*** | 01 |
| ***Issue Date:*** | 8/10/01 |
| ***Approval Type:*** | Municipal & Private sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | New Certificate of Approval |
| ***Client Name::*** | Corporation of the City of Cambridge |
| ***Client Address::*** | 73 Water Street North, P.O. Box 669 |
| ***Client City::*** | Cambridge |
| ***Client Postal Code::*** | N1R 5W8 |
| ***Project Description::*** | This application is for the construction of sanitary and storm sewers on Maple Grove Road, Vondrau Drive, Proposed Street 'A', Proposed Street 'B', Fountain Street, and Easement. |
| ***Contaminants::*** | |
| ***Emission Control::*** | |

***Site:***
***Maple Grove Road Extension  Cambridge ON***

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

| | |
|---|---|
| ***Certificate #:*** | 2431-4KFPNY |
| ***Application Year:*** | 00 |
| ***Issue Date:*** | 5/23/00 |
| ***Approval Type:*** | Municipal & Private sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | New Certificate of Approval |
| ***Client Name::*** | Corporation of the City of Cambridge |
| ***Client Address::*** | 73 Water Street North, P.O. Box 669 |
| ***Client City::*** | CAMBRIDGE |
| ***Client Postal Code::*** | N1R 5W8 |
| ***Project Description::*** | Construction of a Sanitary Sewer on Maple Grove Road from approx. 21m East of Fountain St. to approx. 433m East of Fountain St.  Construction of a Sanitary Sewer on Road "A" from Maple Grove Road to approx. 542m North of Maple Grove Road |
| ***Contaminants::*** | |
| ***Emission Control::*** | |

***Site:*** ***R.M. OF WATERLOO***
***MAPLE GROVE RD. KITCHENER CITY  CAMBRIDGE CITY ON***

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

***Certificate #:*** 7-1213-86-
***Application Year:*** 86
***Issue Date:*** 10/6/1986
***Approval Type:*** Municipal water
***Status:*** Approved
***Application Type:***
***Client Name::***
***Client Address::***
***Client City::***
***Client Postal Code::***
***Project Description::***
***Contaminants::***
***Emission Control::***

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***Site:*** ***Maple Grove Industrial Subdivision - Phase 2***
***Maple Grove Road Cambridge ON***

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

***Certificate #:*** 3713-4ZDNWE
***Application Year:*** 01
***Issue Date:*** 8/10/01
***Approval Type:*** Municipal & Private water
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name::*** Corporation of the City of Cambridge
***Client Address::*** 73 Water Street North, P.O. Box 669
***Client City::*** Cambridge
***Client Postal Code::*** N1R 5W8
***Project Description::*** This application is for the construction of watermains and appurtenances on Proposed Street 'A' and Proposed Street 'B'.
***Contaminants::***
***Emission Control::***

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***Site:*** ***R.M. OF WATERLOO***
***P.S. MAPLE GROVE RD. CAMBRIDGE CITY ON***

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

***Certificate #:*** 3-1711-88-
***Application Year:*** 88
***Issue Date:*** 9/23/1988
***Approval Type:*** Municipal sewage
***Status:*** Approved
***Application Type:***
***Client Name::***
***Client Address::***
***Client City::***
***Client Postal Code::***
***Project Description::***
***Contaminants::***
***Emission Control::***

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***Site:***
***Maple Grove Road Cambridge ON***

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

***Certificate #:*** 7253-4WSH6A
***Application Year:*** 01
***Issue Date:*** 5/18/01
***Approval Type:*** Municipal & Private water
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name::*** Corporation of the Regional Municipality of Waterloo
***Client Address::*** 150 Frederick Street
***Client City::*** Kitchener
***Client Postal Code::*** N2G 4J3
***Project Description::*** Construction of watermains
***Contaminants::***

***Emission Control::***

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***Site:*** ***Database:***
***Maple Grove Road Cambridge ON*** ***CA***

***Certificate #:*** 8561-4Y2KCK
***Application Year:*** 01
***Issue Date:*** 7/25/01
***Approval Type:*** Municipal & Private sewage
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name::*** Corporation of the City of Cambridge
***Client Address::*** 73 Water Street North, P.O. Box 669
***Client City::*** Cambridge
***Client Postal Code::*** N1R 5W8
***Project Description::*** This application is for a Certificate of Approval for the construction of a stormwater management facility within an industrial subdivision.
***Contaminants::***
***Emission Control::***

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***Site:*** ***Maple Grove Road, City of Cambridge*** ***Database:***
***Maple Grove Road Extension Cambridge ON*** ***CA***

***Certificate #:*** 5872-4KFPWX
***Application Year:*** 00
***Issue Date:*** 5/23/00
***Approval Type:*** Municipal & Private water
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name::*** Corporation of the City of Cambridge
***Client Address::*** 73 Water Street North, P.O. Box 669
***Client City::*** CAMBRIDGE
***Client Postal Code::*** N1R 5W8
***Project Description::*** Construction of a Watermain on Maple Grove Road from approx. 22m East of Fountain St. to approx. 414m East of Fountain St. Construction of a Watermain on Road "A" from Maple Grove Road to approx. 520m North of Maple Grove Road
***Contaminants::***
***Emission Control::***

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***Site:*** ***CAMBRIDGE CITY MAPLE GROVE RD.*** ***Database:***
***MAPLE GROVE RD. CAMBRIDGE CITY ON*** ***CA***

***Certificate #:*** 3-0154-86-
***Application Year:*** 86
***Issue Date:*** 2/20/1986
***Approval Type:*** Municipal sewage
***Status:*** Approved
***Application Type:***
***Client Name::***
***Client Address::***
***Client City::***
***Client Postal Code::***
***Project Description::***
***Contaminants::***
***Emission Control::***

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***Site:*** ***Hunt Club Valley Inc, c/o Starward Homes,*** ***Database:***
***Part Lot 7-10, Concession 1. East side of Speedsville Road between the Speed River and Briadean Road, Hespeler West Planning Area, City of Cambridge. CITY OF CAMBRIDGE ON*** ***EBR***

***EBR Registry No.:*** IB06E2058
***Ministry Ref. No.:*** FSD GUE 18/06
***Company Name:*** Hunt Club Valley Inc, c/o Starward Homes,
***Notice Type:*** Instrument Decision

***Notice Date:*** April 04, 2007
***Proposal Date:*** August 23, 2006
***Year:*** 2006
***Proponent Address:*** 1-790 Shaver Road, Ancaster Ontario, L9G 3K9
***Instrument Type:*** (ARA s. 16 (2)) - Approval of licensee proposed amendment to a site plan
***Location Other:***

***Location:***

Part Lot 7-10, Concession 1. East side of Speedsville Road between the Speed River and Briadean Road, Hespeler West Planning Area, City of Cambridge. CITY OF CAMBRIDGE

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***Site:*** ***Hunt Club Valley Inc.***
***Part Lot 10 & 11, 1 Beasley's Lower Block, City of Cambridge, Region of Waterloo. CITY OF CAMBRIDGE ON***

***Database:*** ***EBR***

***EBR Registry No.:*** 013-0359
***Ministry Ref. No.:*** MNRF INST 32/17
***Company Name:*** Hunt Club Valley Inc.
***Notice Type:*** Instrument Decision
***Notice Date:*** October 26, 2017
***Proposal Date:*** May 03, 2017
***Year:*** 2017
***Proponent Address:*** 2000 Garth Street , 201, Hamilton Ontario, Canada L9B 0C1
***Instrument Type:*** (ARA s. 16 (2)) - Approval of licensee proposed amendment to a site plan
***Location Other:***

***Location:***

Part Lot 10 & 11, 1 Beasley's Lower Block, City of Cambridge, Region of Waterloo. CITY OF CAMBRIDGE

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***Site:*** ***Emily Harper Corporation,***
***Part of Lot 10 and 11, Beasley's Lower Block CITY OF CAMBRIDGE ON***

***Database:*** ***EBR***

***EBR Registry No.:*** IB04E3022
***Ministry Ref. No.:*** FSD - GU 05/04
***Company Name:*** Emily Harper Corporation,
***Notice Type:*** Instrument Decision
***Notice Date:*** May 12, 2004
***Proposal Date:*** March 16, 2004
***Year:*** 2004
***Proponent Address:*** 875 Speedsville Road, Cambridge Ontario, N3H 4S8
***Instrument Type:*** (ARA s. 13 (2)) - Add, rescind, or vary a condition of a licence
***Location Other:***

***Location:***

Part of Lot 10 and 11, Beasley's Lower Block CITY OF CAMBRIDGE

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***Site:*** ***Hunt Club Valley Inc, c/o Starward Homes,***
***Part Lot 7-10, Concession 1. East side of Speedsville Road between the Speed River and Briadean Road, Hespeler West Planning Area, City of Cambridge. CITY OF CAMBRIDGE ON***

***Database:*** ***EBR***

***EBR Registry No.:*** IB06E2057
***Ministry Ref. No.:*** FSD GUE 17/06
***Company Name:*** Hunt Club Valley Inc, c/o Starward Homes,
***Notice Type:*** Instrument Decision
***Notice Date:*** April 04, 2007
***Proposal Date:*** August 23, 2006
***Year:*** 2006
***Proponent Address:*** 1-790 Shaver Road, Ancaster Ontario, L9G 3K9
***Instrument Type:*** (ARA s. 13 (2)) - Add, rescind, or vary a condition of a licence
***Location Other:***

***Location:***

Part Lot 7-10, Concession 1. East side of Speedsville Road between the Speed River and Briadean Road, Hespeler West Planning Area, City of Cambridge. CITY OF CAMBRIDGE

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***Site:*** ***The Corporation of the City of Cambridge***
***Speedsville Cambridge ON N1R 8S1***

***Database:*** ***ECA***

| | | | |
|---|---|---|---|
| ***Approval No:*** | 9582-AG8JXD | ***SWP Area Name:*** | |
| ***Approval Date:*** | 2016-12-02 | ***MOE District:*** | |
| ***Status:*** | Approved | ***City:*** | Cambridge |
| ***Record Type:*** | ECA | ***Longitude:*** | |
| ***Link Source:*** | IDS | ***Latitude:*** | |
| ***Approval Type:*** | ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS | | |
| ***Project Type:*** | MUNICIPAL AND PRIVATE SEWAGE WORKS | | |
| ***Address:*** | Speedsville | | |
| ***Full Address:*** | | | |
| ***Full PDF Link:*** | https://www.accessenvironment.ene.gov.on.ca/instruments/5007-ABBH9Y-14.pdf | | |

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***Site:*** ***PRIVATE RESIDENCE***
***BRIARDEAN ROAD (N.O.S.) CAMBRIDGE CITY ON N3H 4R6***

***Database:*** ***SPL***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 46169 | ***Discharger Report:*** | |
| ***Site No:*** | | ***Material Group:*** | |
| ***Incident Dt:*** | 1/25/1991 | ***Client Type:*** | |
| ***Year:*** | | ***Sector Type:*** | |
| ***Incident Cause:*** | CONTAINER OVERFLOW | ***Source Type:*** | |
| ***Incident Event:*** | | ***Nearest Watercourse:*** | |
| ***Contaminant Code:*** | | ***Site Name:*** | |
| ***Contaminant Name:*** | | ***Site Address:*** | |
| ***Contaminant Limit 1:*** | | ***Site District Office:*** | |
| ***Contam Limit Freq 1:*** | | ***Site County/District:*** | |
| ***Contaminant UN No 1:*** | | ***Site Postal Code:*** | |
| ***Contaminant Qty:*** | | ***Site Region:*** | |
| ***Environment Impact:*** | POSSIBLE | ***Site Municipality:*** | 25101 |
| ***Nature of Impact:*** | Groundwater pollution | ***Site Lot:*** | |
| ***Receiving Medium:*** | LAND | ***Site Conc:*** | |
| ***Receiving Env:*** | | ***Northing:*** | |
| ***Health/Env Conseq:*** | | ***Easting:*** | |
| ***MOE Response:*** | | ***Site Geo Ref Accu:*** | |
| ***Dt MOE Arvl on Scn:*** | | ***Site Geo Ref Meth:*** | |
| ***MOE Reported Dt:*** | 1/30/1991 | ***Site Map Datum:*** | |
| ***Dt Document Closed:*** | | | |
| ***SAC Action Class:*** | | | |
| ***Incident Reason:*** | ERROR | | |
| ***Incident Summary:*** | PRIVATE RES: EST 30 L OF OIL SPILLED TO DRIVEWAY AND BASEMENT. CLEANED. | | |

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***Site:***
***lot 11 ON***

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

| | | | |
|---|---|---|---|
| ***Well ID:*** | 5605680 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Not Used | ***Date Received:*** | 7/8/2002 |
| ***Sec. Water Use:*** | | ***Selected Flag:*** | Yes |
| ***Final Well Status:*** | Not A Well | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 6006 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | 237331 | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | RUSSELL |
| ***Elevation (m):*** | | ***Municipality:*** | CAMBRIDGE TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 011 |

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

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

***Bore Hole Information***

***Bore Hole ID:*** 10535101
***DP2BR:***
***Spatial Status:***
***Code OB:*** _
***Code OB Desc:*** No formation data
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 10-JUN-02
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Method of Construction & Well Use***

***Method Construction ID:*** 965605680
***Method Construction Code:*** 0
***Method Construction:*** Not Known
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11083671
***Casing No:*** 1
***Comment:***
***Alt Name:***

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***Site:***
***lot 30 ON***

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

***Well ID:*** 5605336
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 135762
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 12/6/1999
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 6754
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** RUSSELL
***Municipality:*** CAMBRIDGE TOWNSHIP
***Site Info:***
***Lot:*** 030
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10377679
***DP2BR:***
***Spatial Status:***
***Code OB:*** o
***Code OB Desc:*** Overburden
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 19-MAY-99
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932253927
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 3
***Formation End Depth:*** 16
***Formation End Depth UOM:*** ft

***Formation ID:*** 932253926
***Layer:*** 1
***Color:*** 5
***General Color:*** YELLOW
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 3
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933187079
***Layer:*** 2
***Plug From:*** 8
***Plug To:*** 16
***Plug Depth UOM:*** ft

***Plug ID:*** 933187078
***Layer:*** 1
***Plug From:*** 0
***Plug To:*** 8
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 965605336

***Method Construction Code:*** A
***Method Construction:*** Digging
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10926249
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930624499
***Layer:*** 1
***Material:*** 3
***Open Hole or Material:*** CONCRETE
***Depth From:***
***Depth To:*** 16
***Casing Diameter:*** 36
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 995605336
***Pump Set At:***
***Static Level:*** 6
***Final Level After Pumping:*** 11
***Recommended Pump Depth:*** 14
***Pumping Rate:*** 6
***Flowing Rate:***
***Recommended Pump Rate:*** 10
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 1
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934289495
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 8
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934816590
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 10
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934565830
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 9
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935082332
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 11

***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933859224
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 5
***Water Found Depth UOM:*** ft

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***Site:***
***lot 29 ON***

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

***Well ID:*** 6507416
***Construction Date:***
***Primary Water Use:*** Public
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 103934
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 3/29/1993
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 4868
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** WATERLOO CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 029
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10458644
***DP2BR:***
***Spatial Status:***
***Code OB:*** o
***Code OB Desc:*** Overburden
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 22-MAR-93
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Elevation:***
***Elevrc:***
***Zone:*** 17
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932583277
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 23
***Most Common Material:*** PREVIOUSLY DUG
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0

***Formation End Depth:*** 39
***Formation End Depth UOM:*** ft

***Formation ID:*** 932583278
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 39
***Formation End Depth:*** 42
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933209215
***Layer:*** 1
***Plug From:*** 0
***Plug To:*** 25
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966507416
***Method Construction Code:*** 0
***Method Construction:*** Not Known
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11007214
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930743819
***Layer:*** 3
***Material:***
***Open Hole or Material:***
***Depth From:***
***Depth To:*** 42
***Casing Diameter:***
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Casing ID:*** 930743818
***Layer:*** 2
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 38
***Casing Diameter:*** 24
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Casing ID:*** 930743817
***Layer:*** 1
***Material:*** 2

***Open Hole or Material:*** GALVANIZED
***Depth From:***
***Depth To:*** 38
***Casing Diameter:*** 30
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 996507416
***Pump Set At:***
***Static Level:*** 5
***Final Level After Pumping:*** 24
***Recommended Pump Depth:*** 31
***Pumping Rate:*** 3
***Flowing Rate:***
***Recommended Pump Rate:*** 3
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 6
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934345023
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 23
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934604069
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 22
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935123185
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 20
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934858836
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 21
***Test Level UOM:*** ft

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***Site:***
***lot 10 ON***

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

***Well ID:*** 6504737
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:***
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 3/29/1978
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 4854
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** WATERLOO CITY (WATERLOO TWP)
***Site Info:***
***Lot:*** 010

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

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

***Bore Hole Information***

***Bore Hole ID:*** 10456156
***DP2BR:***
***Spatial Status:***
***Code OB:*** o
***Code OB Desc:*** Overburden
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 09-JUN-77
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Elevation:***
***Elevrc:***
***Zone:*** 17
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932570428
***Layer:*** 10
***Color:***
***General Color:***
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 125
***Formation End Depth:*** 126
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570429
***Layer:*** 11
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 126
***Formation End Depth:*** 128
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570421
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 15

***Formation End Depth:*** 32
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570420
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 14
***Formation End Depth:*** 15
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570427
***Layer:*** 9
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 91
***Formation End Depth:*** 125
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570422
***Layer:*** 4
***Color:***
***General Color:***
***Mat1:*** 13
***Most Common Material:*** BOULDERS
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 32
***Formation End Depth:*** 33
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570425
***Layer:*** 7
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 61
***Formation End Depth:*** 88
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570419
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 12
***Other Materials:*** STONES
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0

***Formation End Depth:*** 14
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570426
***Layer:*** 8
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:*** 05
***Other Materials:*** CLAY
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 88
***Formation End Depth:*** 91
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570424
***Layer:*** 6
***Color:***
***General Color:***
***Mat1:*** 12
***Most Common Material:*** STONES
***Mat2:*** 05
***Other Materials:*** CLAY
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 57
***Formation End Depth:*** 61
***Formation End Depth UOM:*** ft

***Formation ID:*** 932570423
***Layer:*** 5
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 33
***Formation End Depth:*** 57
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 966504737
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11004726
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930740513
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***

***Depth To:*** 127
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 996504737
***Pump Set At:***
***Static Level:*** 10
***Final Level After Pumping:***
***Recommended Pump Depth:*** 105
***Pumping Rate:*** 12
***Flowing Rate:***
***Recommended Pump Rate:*** 10
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 1
***Water State After Test:*** CLEAR
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 2
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Water Details***

***Water ID:*** 933943271
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 126
***Water Found Depth UOM:*** ft

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***Site:***
***lot 10 ON***

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

***Well ID:*** 6508724
***Construction Date:***
***Primary Water Use:***
***Sec. Water Use:***
***Final Well Status:*** Abandoned-Other
***Water Type:***
***Casing Material:***
***Audit No:*** 217878
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 8/3/2000
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 1737
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** WATERLOO
***Municipality:*** CAMBRIDGE CITY (GALT)
***Site Info:***
***Lot:*** 010
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10459592
***DP2BR:***
***Spatial Status:***
***Code OB:*** _
***Code OB Desc:*** No formation data
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 30-JUN-00

***Elevation:***
***Elevrc:***
***Zone:*** 17
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM

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

***Location Method:*** na

***Method of Construction & Well Use***

***Method Construction ID:*** 966508724
***Method Construction Code:*** 0
***Method Construction:*** Not Known
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11008162
***Casing No:*** 1
***Comment:***
***Alt Name:***

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***Site:***
***lot 10 ON***

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

***Well ID:*** 5605722
***Construction Date:***
***Primary Water Use:*** Domestic
***Sec. Water Use:***
***Final Well Status:*** Water Supply
***Water Type:***
***Casing Material:***
***Audit No:*** 237370
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 9/9/2002
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 6006
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** RUSSELL
***Municipality:*** CAMBRIDGE TOWNSHIP
***Site Info:***
***Lot:*** 010
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10535143
***DP2BR:*** 63
***Spatial Status:***
***Code OB:*** r
***Code OB Desc:*** Bedrock
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 01-AUG-02
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:***
***Org CS:***
***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock***

***Materials Interval***

***Formation ID:*** 932897342
***Layer:*** 1
***Color:*** 7
***General Color:*** RED
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 85
***Other Materials:*** SOFT
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 9
***Formation End Depth UOM:*** ft

***Formation ID:*** 932897343
***Layer:*** 2
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 85
***Other Materials:*** SOFT
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 9
***Formation End Depth:*** 35
***Formation End Depth UOM:*** ft

***Formation ID:*** 932897344
***Layer:*** 3
***Color:*** 3
***General Color:*** BLUE
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 85
***Other Materials:*** SOFT
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 35
***Formation End Depth:*** 50
***Formation End Depth UOM:*** ft

***Formation ID:*** 932897346
***Layer:*** 5
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:*** 73
***Other Materials:*** HARD
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 63
***Formation End Depth:*** 91
***Formation End Depth UOM:*** ft

***Formation ID:*** 932897345
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:*** 28
***Other Materials:*** SAND
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 50
***Formation End Depth:*** 63

***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933234509
***Layer:*** 1
***Plug From:*** 0
***Plug To:*** 20
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 965605722
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 11083713
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930625159
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:***
***Casing Diameter:*** 5
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Casing ID:*** 930625158
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:***
***Casing Diameter:*** 6
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 995605722
***Pump Set At:***
***Static Level:*** 27
***Final Level After Pumping:*** 91
***Recommended Pump Depth:*** 85
***Pumping Rate:*** 3
***Flowing Rate:***
***Recommended Pump Rate:*** 3
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 2
***Pumping Duration HR:*** 3
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934818196
***Test Type:*** Recovery
***Test Duration:*** 45
***Test Level:*** 27
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934567018
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 27
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934291100
***Test Type:*** Recovery
***Test Duration:*** 15
***Test Level:*** 27
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 935083519
***Test Type:*** Recovery
***Test Duration:*** 60
***Test Level:*** 27
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 934028543
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 63
***Water Found Depth UOM:*** ft

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***Site:***
***lot 11 ON***

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

***Well ID:*** 5605240
***Construction Date:***
***Primary Water Use:*** Not Used
***Sec. Water Use:***
***Final Well Status:*** Abandoned-Other
***Water Type:***
***Casing Material:***
***Audit No:*** 184808
***Tag:***
***Construction Method:***
***Elevation (m):***
***Elevation Reliability:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Flowing (Y/N):***
***Flow Rate:***
***Clear/Cloudy:***

***Data Entry Status:***
***Data Src:*** 1
***Date Received:*** 3/3/1998
***Selected Flag:*** Yes
***Abandonment Rec:***
***Contractor:*** 6844
***Form Version:*** 1
***Owner:***
***Street Name:***
***County:*** RUSSELL
***Municipality:*** CAMBRIDGE TOWNSHIP
***Site Info:***
***Lot:*** 011
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***Bore Hole Information***

***Bore Hole ID:*** 10377583
***DP2BR:***
***Spatial Status:***
***Code OB:*** o
***Code OB Desc:*** Overburden

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:***
***Org CS:***

***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 04-FEB-98
***Remarks:***
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***North83:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** na

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 932253582
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 02
***Most Common Material:*** TOPSOIL
***Mat2:*** 81
***Other Materials:*** SANDY
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 0
***Formation End Depth:*** 11
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 933186975
***Layer:*** 1
***Plug From:*** 1
***Plug To:*** 3
***Plug Depth UOM:*** ft

***Plug ID:*** 933186976
***Layer:*** 2
***Plug From:*** 3
***Plug To:*** 5
***Plug Depth UOM:*** ft

***Plug ID:*** 933186977
***Layer:*** 3
***Plug From:*** 5
***Plug To:*** 11
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 965605240
***Method Construction Code:*** A
***Method Construction:*** Digging
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10926153
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930624342 |
| ***Layer:*** | 1 |
| ***Material:*** | 3 |
| ***Open Hole or Material:*** | CONCRETE |
| ***Depth From:*** | |
| ***Depth To:*** | 11 |
| ***Casing Diameter:*** | 36 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

# Appendix: Database Descriptions

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

***Abandoned Aggregate Inventory:*** Provincial AAGR

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

***Government Publication Date: Sept 2002****

***Aggregate Inventory:*** Provincial AGR

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

***Government Publication Date: Up to Sep 2017***

***Abandoned Mine Information System:*** Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

***Government Publication Date: 1800-Nov 2016***

***Anderson's Waste Disposal Sites:*** Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

***Government Publication Date: 1860s-Present***

***Automobile Wrecking & Supplies:*** Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

***Government Publication Date: 1999-Jan 31, 2018***

***Borehole:*** Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

***Government Publication Date: 1875-Jul 2014***

***Certificates of Approval:*** Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

***Government Publication Date: 1985-Oct 30, 2011****

***Commercial Fuel Oil Tanks:*** Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

***Government Publication Date: Feb 28, 2017***

***Chemical Register:*** Private CHEM

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

***Government Publication Date: 1999-Jan 31, 2018***

***Compressed Natural Gas Stations:*** Private CNG

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

***Government Publication Date: Dec 31, 2012***

***Inventory of Coal Gasification Plants and Coal Tar Sites:*** Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

***Government Publication Date: Apr 1987 and Nov 1988****

***Compliance and Convictions:*** Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

***Government Publication Date: 1989-Nov 2017***

***Certificates of Property Use:*** Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

***Government Publication Date: 1994-Feb 28, 2018***

***Drill Hole Database:*** Provincial DRL

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

***Government Publication Date: 1886-Nov 30, 2017***

***Dry Cleaning Facilities:*** Federal DRYCLEANERS

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

***Government Publication Date: Jan 2004-Dec 2016***

***Environmental Activity and Sector Registry:*** Provincial EASR

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

***Government Publication Date: Oct 2011-Apr 30, 2018***

***Environmental Registry:*** Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

***Government Publication Date: 1994-Feb 28, 2018***

***Environmental Compliance Approval:*** Provincial ECA

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

***Government Publication Date: Oct 2011-Apr 30, 2018***

***Environmental Effects Monitoring:*** Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

***Government Publication Date: 1992-2007****

***ERIS Historical Searches:*** Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

***Government Publication Date: 1999-Feb 28, 2018***

***Environmental Issues Inventory System:*** Federal EIIS

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

***Government Publication Date: 1992-2001****

***Emergency Management Historical Event:*** Provincial EMHE

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

***Government Publication Date: Dec 31, 2016***

***List of TSSA Expired Facilities:*** Provincial EXP

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

***Government Publication Date: Feb 28, 2017***

***Federal Convictions:*** Federal FCON

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

***Government Publication Date: 1988-Jun 2007****

***Contaminated Sites on Federal Land:*** Federal FCS

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

***Government Publication Date: Jun 2000-Mar 2018***

***Fisheries & Oceans Fuel Tanks:*** Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

***Government Publication Date: 1964-Sep 2017***

***Fuel Storage Tank:*** Provincial FST

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

***Government Publication Date: Feb 28, 2017***

***Fuel Storage Tank - Historic:*** Provincial FSTH

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

***Government Publication Date: Pre-Jan 2010****

***Ontario Regulation 347 Waste Generators Summary:*** Provincial GEN

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

***Government Publication Date: 1986-December 31, 2017***

***Greenhouse Gas Emissions from Large Facilities:*** Federal GHG

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

***Government Publication Date: 2013-Dec 2016***

***TSSA Historic Incidents:*** Provincial HINC

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

***Government Publication Date: 2006-June 2009****

***Indian & Northern Affairs Fuel Tanks:*** Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

***Government Publication Date: 1950-Aug 2003****

***TSSA Incidents:*** Provincial INC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

***Government Publication Date: Feb 28, 2017***

***Landfill Inventory Management Ontario:*** Provincial LIMO

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

***Government Publication Date: Dec 31, 2013***

***Canadian Mine Locations:*** Private MINE

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

***Government Publication Date: 1998-2009****

***Environmental Penalty Annual Report:*** Provincial MISA PENALTY

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

***Government Publication Date: Jan 1, 2011 - Dec 31, 2017***

***Mineral Occurrences:*** Provincial MNR

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

***Government Publication Date: 1846-Jan 2018***

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

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

***Government Publication Date: 1974-1994****

***Non-Compliance Reports:*** Provincial NCPL

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

***Government Publication Date: Dec 31, 2016***

***National Defense & Canadian Forces Fuel Tanks:*** Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

***Government Publication Date: Up to May 2001****

***National Defense & Canadian Forces Spills:*** Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

***Government Publication Date: Mar 1999-Aug 2010***

***National Defence & Canadian Forces Waste Disposal Sites:*** Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

***Government Publication Date: 2001-Apr 2007****

***National Energy Board Pipeline Incidents:*** Federal NEBI

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

***Government Publication Date: 2008-Mar 31, 2018***

***National Energy Board Wells:*** Federal NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

***Government Publication Date: 1920-Feb 2003****

***National Environmental Emergencies System (NEES):*** Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

***Government Publication Date: 1974-2003****

***National PCB Inventory:*** Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

***Government Publication Date: 1988-2008****

***National Pollutant Release Inventory:*** Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

***Government Publication Date: 1993-May 2017***

***Oil and Gas Wells:*** Private OGW

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

***Government Publication Date: 1988-December 31, 2017***

***Ontario Oil and Gas Wells:*** Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

***Government Publication Date: 1800-Oct 2017***

***Inventory of PCB Storage Sites:*** Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

***Government Publication Date: 1987-Oct 2004; 2012-Dec 2013***

***Orders:*** Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

***Government Publication Date: 1994-Feb 28, 2018***

***Canadian Pulp and Paper:*** Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

***Government Publication Date: 1999, 2002, 2004, 2005, 2009***

***Parks Canada Fuel Storage Tanks:*** Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

***Government Publication Date: 1920-Jan 2005****

***Pesticide Register:*** Provincial PES

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

***Government Publication Date: 1988-Mar 2018***

***TSSA Pipeline Incidents:*** Provincial PINC

TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

***Government Publication Date: Feb 28, 2017***

***Private and Retail Fuel Storage Tanks:*** Provincial PRT

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

***Government Publication Date: 1989-1996****

***Permit to Take Water:*** Provincial PTTW

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

***Government Publication Date: 1994-Feb 28, 2018***

***Ontario Regulation 347 Waste Receivers Summary:*** Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

***Government Publication Date: 1986-2016***

***Record of Site Condition:*** Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

***Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2017***

***Retail Fuel Storage Tanks:*** Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

***Government Publication Date: 1999-Jan 31, 2018***

***Scott's Manufacturing Directory:*** Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

***Government Publication Date: 1992-Mar 2011****

***Ontario Spills:*** Provincial SPL

This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

***Government Publication Date: 1988-Feb 2018***

***Wastewater Discharger Registration Database:*** Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

***Government Publication Date: 1990-Dec 31, 2016***

***Anderson's Storage Tanks:*** Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

***Government Publication Date: 1915-1953****

***Transport Canada Fuel Storage Tanks:*** Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

***Government Publication Date: 1970-Aug 2017***

***TSSA Variances for Abandonment of Underground Storage Tanks:*** Provincial VAR

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

***Government Publication Date: Feb 28, 2017***

***Waste Disposal Sites - MOE CA Inventory:*** Provincial WDS

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

***Government Publication Date: Oct 2011-Apr 30, 2018***

***Waste Disposal Sites - MOE 1991 Historical Approval Inventory:*** Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

***Government Publication Date: Up to Oct 1990****

***Water Well Information System:*** Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

***Government Publication Date: Dec 31, 2017***

# Definitions

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

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

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

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

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

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

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

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

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

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

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

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

# APPENDIX F

## PHOTOGRAPHS OF TYPICAL SITE CONDITIONS

**East view of the west adjacent property across Speedsville Road**


LANDTEK LIMITED

*CONSULTING ENGINEERS*

**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1**


| | | |
|---|---|---|
| | Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & | |
| | Speedsville Road (South East Corner) | |
| | Cambridge, ON | |
| **Title:** | **Photograph 1:** Typical Site Condition Photograph | |
| **Project No.** | 18196 | |

**View of the south adjacent property from Site**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1** | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 2:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the property adjacent to the northeast area of Site across Briardean Road.**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1 | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 3:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the property adjacent to the southeast area of Site across Briardean Road.**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1 | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 4:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**Northwest view of the School adjacent to northwest area of Site across Maple Grove Road.**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1 | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 5:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the wooded area adjacent to north area of Site across Maple Grove Road.**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1 | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 6:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the undeveloped land adjacent to north east area of Site across Maple Grove Road.**

| | | |
|---|---|---|
| | **LANDTEK LIMITED**<br>***CONSULTING ENGINEERS***<br>**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1** | |
| | Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & | |
| | Speedsville Road (South East Corner) | |
| | Cambridge, ON | |
| **Title:** | **Photograph 7:** Typical Site Condition Photograph | |
| **Project No.** | 18196 | |

**View of the west area of Site**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1** | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 8:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the east area of Site**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1 | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 9:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the north area of Site from central area**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1** | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 10:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the wooded area  located at central area of Site**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1** | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 11:** Typical Site Condition Photograph |
| **Project No.** | 18196 |

**View of the south area at of Site  looking south**

| | |
|---|---|
| LANDTEK LIMITED<br>*CONSULTING ENGINEERS*<br>**205 NEBO ROAD, HAMILTON, ONTARIO, L8W 2E1** | |
| Scale: NTS | Date: May 2018 |
| **Project:** | Phase One ESA - Maple Grove Road & |
| | Speedsville Road (South East Corner) |
| | Cambridge, ON |
| **Title:** | **Photograph 12:** Typical Site Condition Photograph |
| **Project No.** | 18196 |